



36th World Congress of
Biomedical Laboratory Science

IFBLS 2026

Bridge to the future of BLS around the world

Date

September 23rd – 27th 2026

Venue

Makuhari Messe, Chiba JAPAN

Congress Organizers

International Federation of Biomedical Laboratory Science (IFBLS)
Japanese Association of Medical Technologists (JAMT)

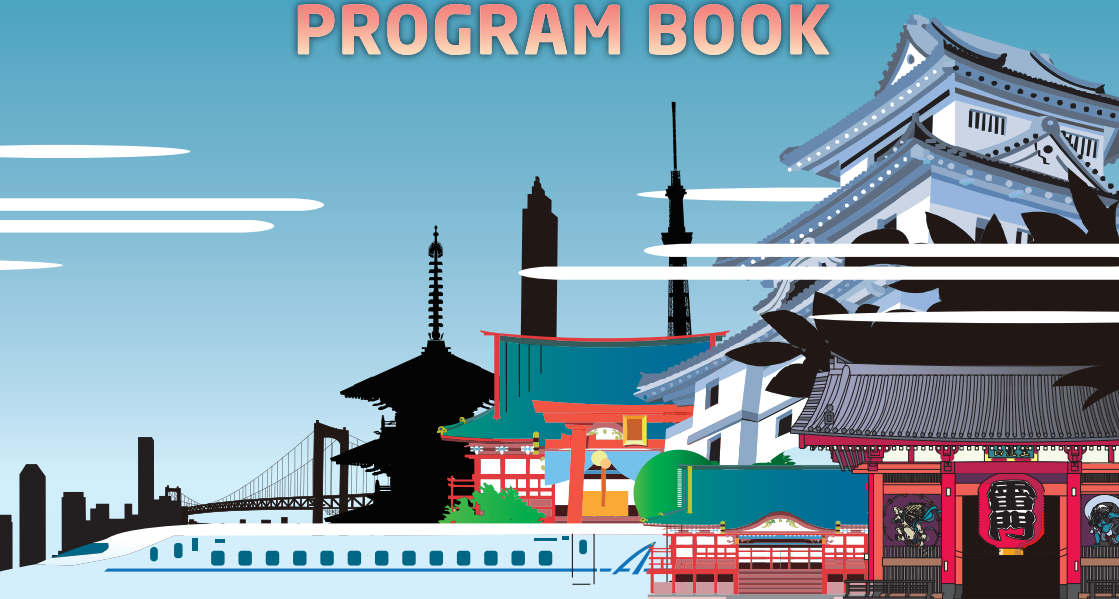
Congress Chairperson

Mitsuaki Nagasawa

Vice Chairperson

Kyoko Komatsu

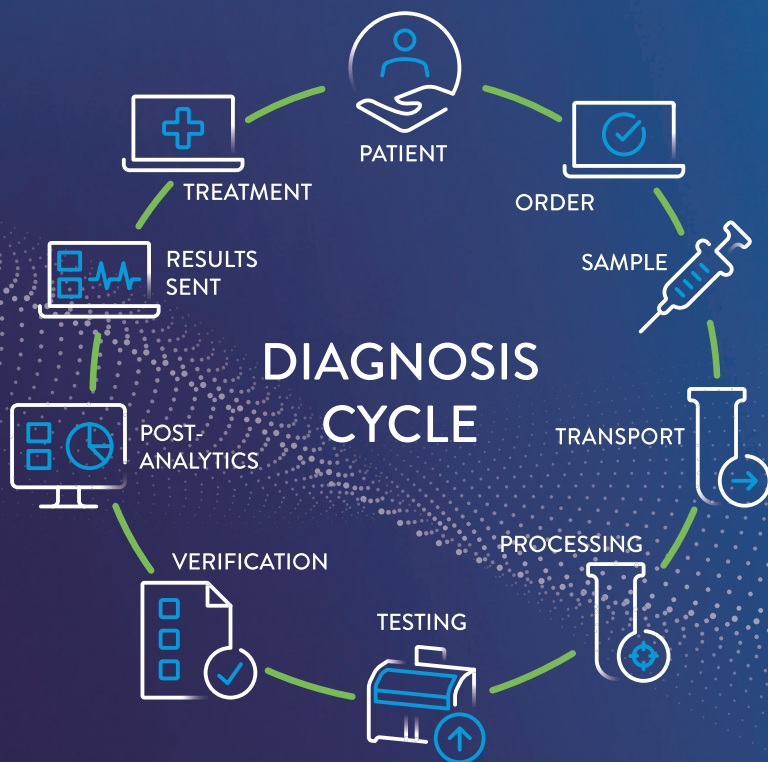
PROGRAM BOOK





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- Bio-Rad Laboratories K.K.
- BIOTEC Co.,Ltd.
- BML, Inc.
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- FUJIREBIO Inc.
- FUJITSU JAPAN
- FUKUDA DENSHI CO., LTD.
- Global Science Co., Ltd.
- GramEye inc.
- Greiner Bio-One Co., Ltd.
- H.U. Frontier, Inc.
- Hitachi High-Tech Corporation
- HONEST Co., Ltd.
- Japan International Cooperation Agency (JICA)
- Japan Lifeline Co.,Ltd.
- Japanese Association of Clinical Laboratory Systems (JACLaS)
- JOKOH CO.,LTD.
- KANTO CHEMICAL CO.,INC.
- Kobayashi Create Co., Ltd.
- KYOKUTO PHARMACEUTICAL INDUSTRIAL CO., LTD.
- Malcom Co.,Ltd.
- Minato Medical Science Co., Ltd.
- MIZUHO MEDY Co.,Ltd.
- NIHON KOHDEN CORPORATION
- NIPRO CORPORATION
- PHC Corporation
- Pulstec Industrial Co.,Ltd.
- Q-may Laboratory Corporation
- QuidelOrtho Corporation
- Roche Diagnostics K.K.
- Sakura Finetek Japan Co., Ltd.
- SEKISUI MEDICAL CO., LTD.
- SENKO MEDICAL INSTRUMENT Mfg. CO., LTD.
- Shimadzu Diagnostics Corporation
- Shirai Electronics Industrial Co.,Ltd.
- Siemens Healthcare Diagnostics K.K.
- SRL, Inc.
- SUGIYAMA-GEN CO., LTD.
- SYSMEX CORPORATION
- TAKANO CO.,Ltd.
- TAUNS Laboratories, Inc.
- Techno Medica Co., Ltd
- TEXeg CO., LTD.
- Thermo Fisher Scientific K.K.
- TOSOH CORPORATION
- TOYOBO CO.,LTD.
- YoukenScience Co.,Ltd.

Book Display

- Shigakushoten



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Congress Secretariat : Makuhari Messe 2-1 Nakase Mihama-ku Chiba, Japan

Email : info@ifbbs2026.jp

URL : <https://www.ifbbs2026.jp>



Welcome Message from IFBLS

Dear Colleagues and Friends,

On behalf of the International Federation of Biomedical Laboratory Science (IFBLS), it is my great honor and privilege to welcome you to the IFBLS 2026 World Congress, held under the inspiring theme: “Bridge to the Future of BLS Around the World.”

This theme reflects both our collective responsibility and our shared opportunity—to connect across borders, strengthen our global network, and ensure that biomedical laboratory science continues to advance in innovation, quality, and impact. Biomedical laboratory scientists are the foundation of diagnostic medicine, and by building bridges of knowledge, research, and collaboration, we create a healthier future for all.

The IFBLS World Congress provides a unique platform for professionals, educators, researchers, and students to come together to exchange knowledge, showcase achievements, and explore emerging challenges in our profession. It is also a celebration of our shared identity as biomedical laboratory scientists, united in our mission to improve healthcare worldwide.

I warmly invite you to join us for this landmark event. Your participation, expertise, and enthusiasm will help us shape the future of biomedical laboratory science and strengthen our voice in the global health community. Together, we will cross new bridges and inspire the next generation of leaders in our field.

I look forward to welcoming you to the IFBLS 2026 Congress and sharing what promises to be an unforgettable and transformative experience.

With warm regards,



Gabriella Lillsunde Larsson

President 2024-2026

International Federation of Biomedical Laboratory Science
(IFBLS)

Welcome Message from IFBLS2026/JAMT

Dear Honorable guests from overseas and domestic professional members,

On behalf of the Japanese Association of Medical Technologists and the Organizing Committee of the 36th World Congress of Biomedical Laboratory science, I am delighted to extend my warmest welcome to our members from all around the world. We had an excellent time with you during the 32nd World Congress, in Japan, in 2016. It is a great pleasure for us to welcome you back to Japan, once again. The 36th World Congress of IFBLS will be held from September 23-27, 2026, at Makuhari Messe in Chiba, Japan.

Biomedical laboratory science is relevant to diagnostic work and public health care. As it had made remarkable progress, we need to get a new knowledge timely. The exchange of information at the global level is important. We strongly believe that this occasion will be a great opportunity to reconnect and deliver another fruitful scientific exchange. The Congress theme is “Bridge to the future of BLS around the world”. I hope that this Congress will serve as a bridge for knowledge sharing and meaningful interaction among participants.

There has been a hard time holding scientific meetings because of the COVID-19 pandemic. We are happy to offer ample opportunities to meet old friends and get acquainted with new ones. I wish you all a most pleasant stay in Japan and hope you will take home many rewarding memories of the Congress.

I look forward to meeting you Japan!



Mitsuaki Nagasawa

President of JAMT

President of the 36th World Congress of Biomedical Laboratory Science

About IFBLS



IFBLS is a global organization working to increase opportunities for development of laboratory professionals through education and partnership.

Abiennial Congress provides networking opportunities in an education forum, while electronic communication facilitates and enhances professional development.

The objectives of IFBLS are:

1. To support, advance and promote good scientific laboratory practice through the development and adherence to high quality standards in diverse environments throughout the world;
2. To support and promote education and advancement of science and technology in the professional development of Biomedical Laboratory Scientists;
3. To support, advance and promote ethical and professional values in Biomedical Laboratory Science;
4. To facilitate the exchange of ideas through development of partnerships within the global healthcare community.

IFBLS Members



Australia



Austria



Belgium



Burundi



Cameroon



Canada



Croatia



Denmark



Estonia



Finland



Germany



Ghana



Greece



Hong Kong



Iceland



India



Ireland



Japan



Jordan



Kenya



Korea



Malaysia



Myanmar



Norway



Pakistan



Philippines



Portugal



Saudi Arabia



Singapore



South Africa



Spain



Sri Lanka



Sweden



Taiwan



Tanzania



Thailand



Togo



Tunisia



United Kingdom



United States

IFBLS Board of Directors 2024-2026



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About JAMT

The Japanese Association of Medical Technologists (JAMT) is a general incorporated association representing approximately 70,000 licensed biomedical laboratory scientists (BLSs) across Japan. Guided by our Ethical Code, which articulates our professional and social responsibilities, JAMT is committed to advancing public understanding of medical laboratory science, promoting high-quality laboratory practices, and safeguarding the professional interests of BLSs.

JAMT undertakes a wide range of activities to fulfill its mission, including:

1. Public Interest Programs (Core Ongoing Initiatives)
 - 1) Accreditation of quality assurance facilities and promotion of standardized laboratory practices
 - 2) National external quality assessment programs to ensure the accuracy and reliability of clinical testing
2. Additional Organizational Programs
 - 1) JAMT professional certification systems
 - 2) Academic promotion and research support
 - 3) International cooperation and global partnership initiatives
 - 4) Academic education programs and professional training workshops
 - 5) Publication of the official journal Medical Laboratory Science
 - 6) Development and distribution of professional publications
 - 7) Professional competency development programs
 - 8) Public health advancement and patient safety initiatives
 - 9) Policy advocacy and external relations
 - 10) Organizational development and governance activities
 - 11) Mutual aid and member support programs
 - 12) Research and survey projects related to clinical laboratory science

Through these activities, JAMT strives to contribute to the advancement of medical laboratory science, the improvement of public health, and the strengthening of professional practice both within Japan and internationally.

Local Organizing Committee(JAMT)

Executive Board

Congress President	Mitsuaki Nagasawa
Vice President	Kyoko Komatsu
Members	Hisashi Takino Hideo Maruta Masaaki Jitsuhara
Secretary General	Yoshio Hashizume

Executive Committee

Chair	Kyoko Komatsu
Vice Chair	Noriaki Harada
Members	Tomohito Yara Shuhei Ishii Satoshi Morito Kazunari Watahiki Hideo Sakamoto Yui Namikawa Ryosuke Kikuchi Keiji Fukasawa Tsunehiro Yokochi

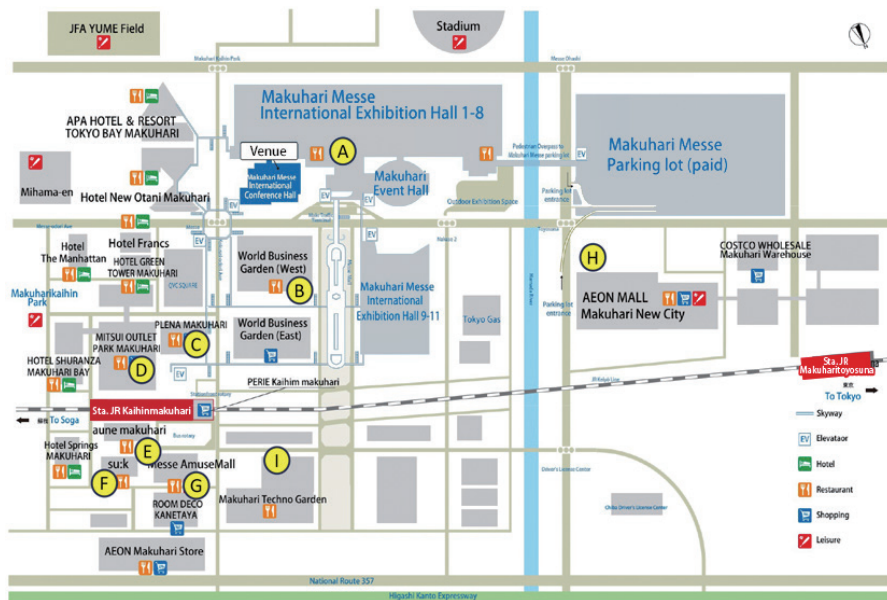
Program Committee

Chair	Ryosuke Kikuchi
Vice Chair	Kyoko Komatsu
Members	Atsuko Nakajima Hideo Sakamoto Hiromitsu Yokota Kenichiro Ohnuma Masahiro Jyouna Tatsuya Nakamura Youko Hidaka Yui Namikawa

Honorary Director

Yoshifumi Miyajima

Area Map



Venue Makuhari Messe

- About a 5-minute walk from “Kaihimmakuhari Station” on the JR Keiyo Line (about 30 minutes from Tokyo via the Rapid service)
- About a 20-minute walk from “Makuhari-Toyosuna Station” on the JR Keiyo Line
- About 17 minutes by bus bound for “Makuhari Messe Chuo” from “Makuhari-Hongo Station” on the JR Sobu Line and Keisei Line

Restaurant

- A : Makuhari messe
- B : World business garden Marive Dining
- C : PLENA Kaihin makuhari
- D : Mitsui outlet park
- E : Aune
- F : Suk
- G : Messe AmuseMall
- H : AEON Mall Makuhari New city
- I : Makuhari Techno garden

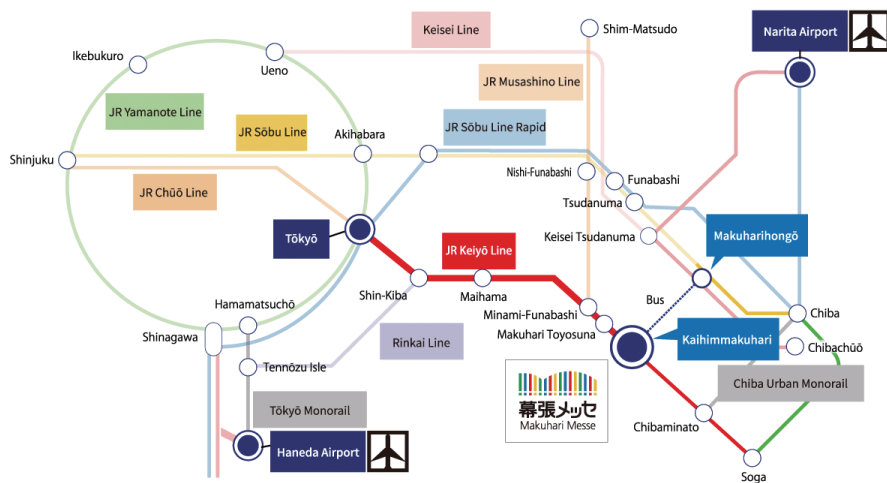
Hotel

- Hotel Springs MAKUHARI
- HOTEL GREEN TOWER MAKUHARI
- Hotel Francs
- Hotel The Manhattan
- Hotel New Otani Makuhari
- APA HOTE & RESORT TOKYO BAY MAKUHARI
- HOTEL SHURANZA MAKUHARI BAY

More Information for Shopping
and Local specialities



Access MAP



Just a few train stops from **Kaihinn-Makuhari Station**, you'll find a variety of exciting destinations for dining and shopping.

Explore Local Dining Areas:

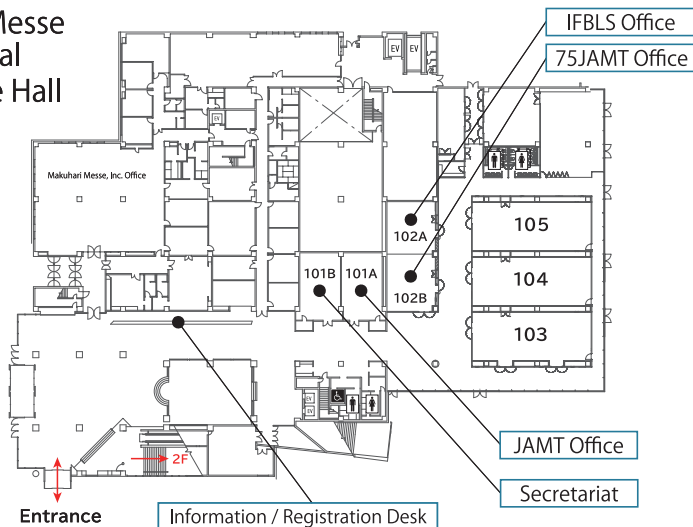
- Funabashi Station
- Nishi-Funabashi Station
- Chiba Station

Major Shopping Destinations:

- **Makuhari-Toyosuna Station** – *AEON Mall Makuhari New City*
- **Minami-Funabashi Station** – *LaLaport TOKYO-BAY*
- **Maihama Station** – *Ikspiari*, a shopping and dining complex near Tokyo Disney Resort
- **Tokyo Station** – *Marunouchi Naka-dori*, *Tokyo Midtown Yaesu*, and *exclusive Tokyo Station sweets*

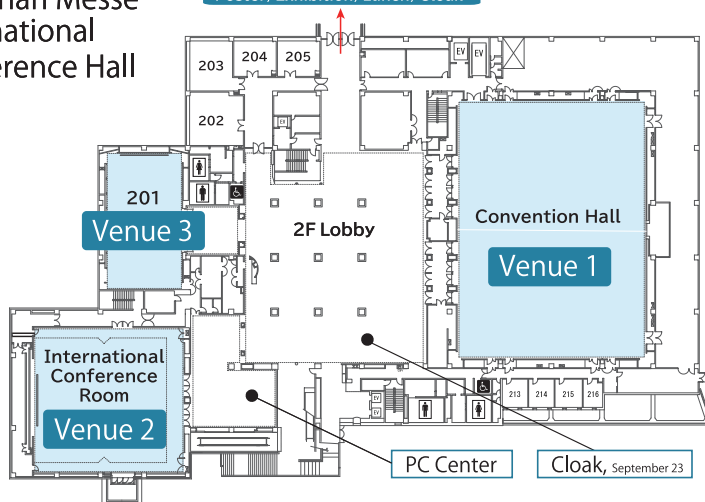
Venue Guide

Makuhari Messe International Conference Hall 1F

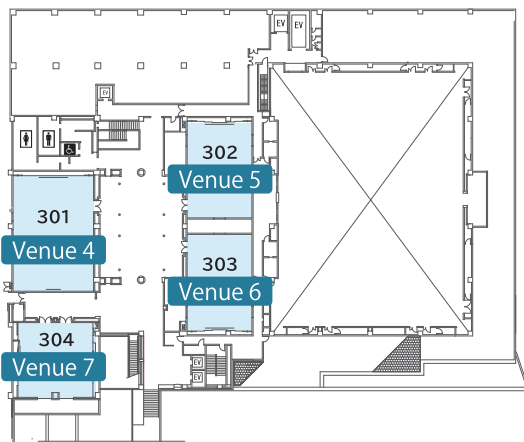


Makuhari Messe International Conference Hall 2F

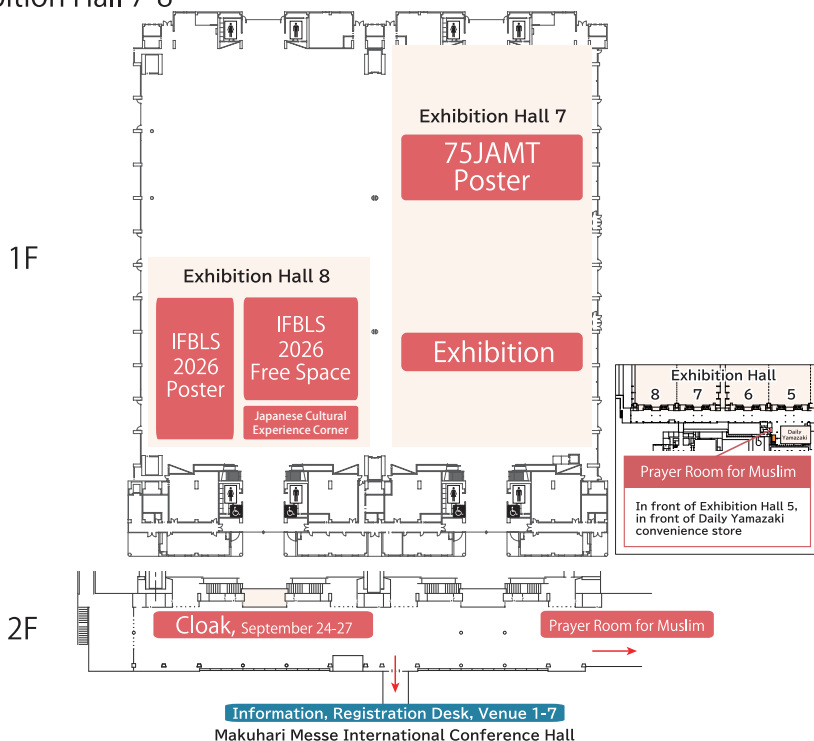
Makuhari Messe International Exhibition Hall 7-8
Poster, Exhibition, Lunch, Cloak



Makuhari Messe International Conference Hall 3F

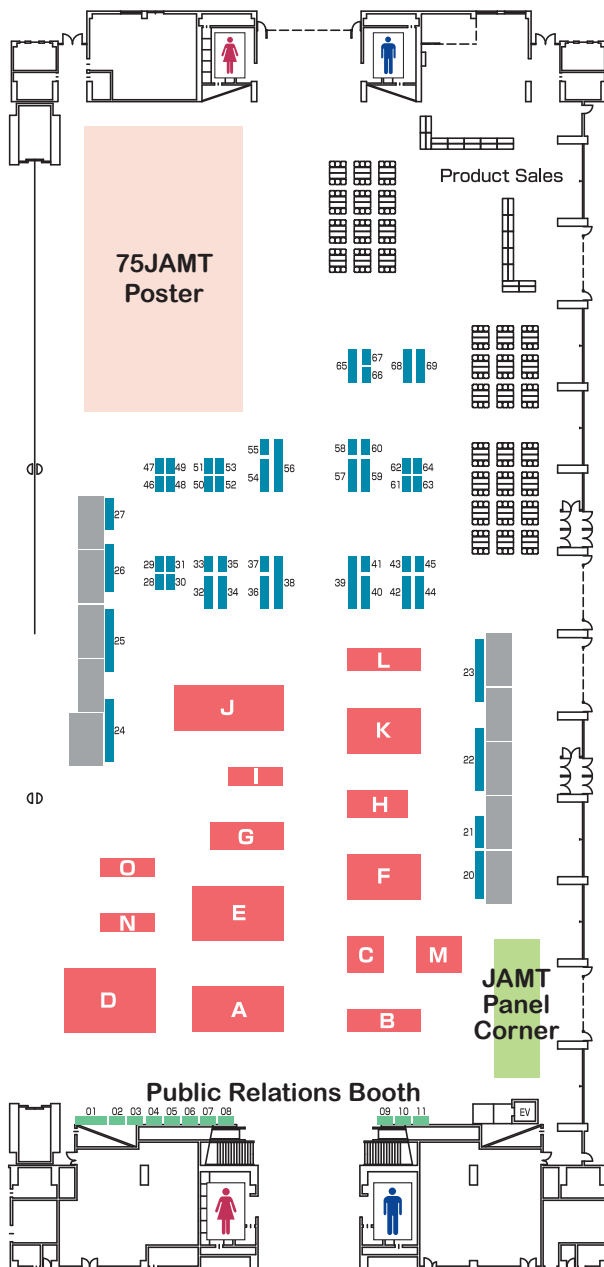


Makuhari Messe International Exhibition Hall 7-8



Exhibition Layout

Makuhari Messe International Exhibition Hall 7



Booth No.	Exhibitors
A	SYSMEX CORPORATION
B	Abbott Japan LLC
C	Roche Diagnostics K.K.
D	SEKISUI MEDICAL CO., LTD.
E	TOSOH CORPORATION
F	Hitachi High-Tech Corporation
G	H.U. Frontier, Inc./ SRL, Inc./ FUJIREBIO Inc.
H	NIHON KOHDEN CORPORATION
I	Beckman Coulter K.K./Radiometer KK (Danaher)
J	Techno Medica Co., Ltd.
K	EIKEN CHEMICAL CO., LTD
L	FUKUDA DENSHI CO., LTD.
M	Canon Medical Systems Corporation
N	NIPRO CORPORATION
O	QuidelOrtho Corporation
20	FUJIFILM Medical Co., Ltd.
21	FUJIFILM Wako Pure Chemical Corporation
22	JOKOH CO.,LTD.
23	Kobayashi Create Co.,Ltd.
24	BML, Inc.
25	CHEST M.I., INC.
26	Ansell Healthcare Japan, Inc.
27	Alfresa Pharma Corporation
28	Japan Lifeline Co.,Ltd.
29	Shimadzu Diagnostics Corporation
30	HONEST Co., Ltd.
31	Aglis Co., Ltd.
32	Bio-Rad Laboratories K.K.
33	Becton, Dickinson and Company
34	BIOTEC
35	TAUNUS Laboratories, Inc.
36	YoukenScience Co.,Ltd.
37	ASAHI electrochemical Co., Ltd.
38	Thermo Fisher Scientific
39	Malcom Co.,Ltd.
40	KANTO CHEMICAL CO., INC
41	Minato Medical Science Co., Ltd.
42	-
43	Global Science Co., Ltd.
44	KYOKUTO PHARMACEUTICAL INDUSTRIAL CO., LTD./ TOYOBO CO., LTD.
45	Greiner Bio-One
46	SENKO MEDICAL INSTRUMENT Mfg. CO., LTD.
47	Eppendorf Co.,Ltd.
48	TEXeg CO., LTD.
49	Siemens Healthineers
50	BRAIN Co.,Ltd.
51	Japanese Association of Clinical Laboratory Systems (JACLS)
52	Q-may Laboratory Corporation
53	FUJITSU JAPAN
54	Denka Co., Ltd.
55	Shirai Electronics Industrial Co., Ltd.
56	ARKRAY, Inc.
57	DAINIPPON SEIKI CO., LTD.
58	GramEye, Inc.
59	A&T Corporation
60	Pulstec Industrial Co.,Ltd.
61	TAKANO Co.,Ltd.
62	SUGIYAMA-GEN CO., LTD.
63	MIZUHO MEDY Co., Ltd.
64	Japan International Cooperation Agency (JICA)
65	PHC Corporation
66	FEATHER SAFETY RAZOR CO.,LTD.
67	Sakura Finetek Japan Co., Ltd.
68	Craif Inc.
69	ASIAKIZAI Inc.

Exhibiting Companies

Open Hours:

September 25 (Fri.)	11:20-17:00
September 26 (Sat.)	8:30-17:00
September 27 (Sun.)	8:30-15:00

Booth No.	Exhibitors	Major Exhibition Contents
A	SYSMEX CORPORATION	Exhibits: XR-Series Automated Hematology Analyzer / Automated Immunoassay System HISCL-800 / Fully Automated Urine Particle Analyzer UF-1500 and more
B	Abbott Japan LLC	Visit our booth to explore the Alinity ci-series, AlinIQ AMS, DSS, and the newly launched GLP systems Track. We welcome you.
C	Roche Diagnostics K.K.	We focus on sample workflows among our 5 pillars for the labs of tomorrow. Please experience next-gen workflows via AR ! (virtual display only)
D	SEKISUI MEDICAL CO., LTD.	We manufacture and sell essential products for clinical testing, focusing on blood coagulation, lifestyle-related diseases, and infectious diseases.
E	TOSOH CORPORATION	Automated chemiluminescent enzyme immunoassay system AIA-CL2400, AIA-CL1200 and AIA-CL300 / Tosoh Automated Glycohemoglobin Analyzer HLC-723 [®] GR01
F	Hitachi High-Tech Corporation	① LABOSPECT 006 α HITACHI Automatic Analyzer ② Sample Preparation System LabFLEX 2600G ③ The Reaction Curve Fitting Method "MiRuDa"
G	H.U. Frontier, Inc./ SRL, Inc./ FUJIREBIO Inc.	Visit our booth to explore the LUMIPULSE [®] L2400 and learn about SRL's comprehensive laboratory testing services and diagnostic solutions.
H	NIHON KOHDEN CORPORATION	At this exhibition, we will showcase solutions that support quality management and optimize workflow efficiency in clinical physiology laboratories.
I	Beckman Coulter K.K. /Radiometer KK (Danaher)	"What Is Your Lab's Challenge?" (Beckman Coulter). Blood gas analyzers, Syringes, Immunoassay analyzer, Point-of-care IT solution (Radiometer)
J	Techno Medica Co., Ltd.	• Automatic Tube Preparation System BC·ROBO-9000RFID • RFID Specimen Management System TRIPS • Blood Collection Support System Assist More·UA·ROBO-5000RFID
K	EIKEN CHEMICAL CO., LTD	Eiken will exhibit the new OC-SENSOR R70, OC-SENSOR Ceres, and the US Series, while introducing the LZ Series, Loopamp EXIA, POCT solutions, and more.
L	FUKUDA DENSHI CO., LTD.	Visit our booth. Explore our AI ECG, CAVI, Holter, pulmonary function, and other solutions. Some products are available only in Japan.
M	Canon Medical Systems Corporation	[Exhibit] Clinical Chemistry Automated Analyzers; TBA-400FR (Accute RX), Ultrasound; Aplio beyond, Others
N	NIPRO CORPORATION	POCT devices(Glucose meter,HbA1c meter),Biochemical diagnostic reagents,Antigen test kit,Blood collection tube

Booth No.	Exhibitors	Major Exhibition Contents
O	QuidelOrtho Corporation	VITROS Solutions(Clinical Chemistry and Immunoassay), ORTHO VISION System(Immunohematology), POCT Solutions
20	FUJIFILM Medical Co., Ltd.	Automated Clinical Chemistry Analyzer, FUJI DRI-CHEM NX700, FUJI DRI-CHEM NX600
21	FUJIFILM Wako Pure Chemical Corporation	LIMUSAVE MT-7500 : Quantitative β -D-glucan test. Ready-to-use single-test reagents, supporting early detection of invasive fungal infections.
22	JOKOH CO.,LTD.	• Smart Marker Series – Pathology Multi-Laser Printer • Smart Rate Series – ESR Analyzer • IoNEX – Electrolyte Analyzer
23	Kobayashi Create Co.,Ltd.	Support system for blood collecting duties, Testing tube preparation system for blood collecting duties
24	BML, Inc.	As a clinical laboratory center, we will showcase diagnostic tests and provide informational materials on our testing services.
25	CHEST M.I., INC.	CHEST expertly presents our spirometers, PFT system, FOT device, and PSG systems, delivering advanced, reliable, and precise respiratory solutions.
26	Ansell Healthcare Japan, Inc.	Ansell is a global leader in protective solutions, providing innovative gloves and PPE that help workers stay safe and productive worldwide.
27	Alfresa Pharma Corporation	Discrete Clinical Chemistry Analyzer AA01 Discrete Clinical Chemistry Analyzer NS-Prime® Rapid Tests
28	Japan Lifeline Co.,Ltd.	Japan Lifeline offers ATsens' AT-Patch. It features 7-day ECG recording, high-quality signals, and AT-Report software to streamline lab workflow.
29	Shimadzu Diagnostics Corporation	Ni-QCS Quality Control Management System and QC materials for clinical laboratories.
30	HONEST Co., Ltd.	
31	Aglis Co., Ltd.	Sealing film for laboratory containers. Hemostatic bandage for use after blood collection. Blood culture collection kit for standardized procedures.
32	Bio-Rad Laboratories K.K.	Visit the Bio-Rad booth to discover solutions for transfusion testing and quality control, featuring BRBTS NEXT, IntelliQ, and Unity Next Peer QC.
33	Becton, Dickinson and Company	BD Vacutainer Barricor blood collection tube
34	BIOTEC	Demonstration of a versatile dispensing system for sample preparation prior to analysis.
35	TAUNS Laboratories, Inc.	ImmunoAce® Series:Rapid tests for respiratory pathogens,featuring a common extraction reagent shared by SARS-CoV-2,Flu,Adenovirus,hMPV and RSV assays.

Booth No.	Exhibitors	Major Exhibition Contents
36	YoukenScience Co.,Ltd.	
37	ASAHI electrochemical Co., Ltd.	Harun Kit: A new urine collection device that doesn't require paper cups.
38	Thermo Fisher Scientific	Visit our booth to explore the new Thermo Scientific™ FluidEase™ Pro ClipTip™ Electronic Pipette, calibration services, and laboratory solutions.
39	Malcom Co.,Ltd.	Exhibition and Presentation of In Vitro Diagnostic Medical Devices and Medical Devices
40	KANTO CHEMICAL CO., INC	① Reagent For Clinical Analyzer ② Products related to AMR : Chromogenic media , Genetic test kit ③ Automatic staining system ④ Liquid Handling Device
41	Minato Medical Science Co., Ltd.	Autospirometer System21
42	-	
43	Global Science Co., Ltd.	We manufacture and sell plastic consumables for clinical diagnostics, including urine sediment tubes, transfer pipettes, test tubes, and sample cups.
44	KYOKUTO PHARMACEUTICAL INDUSTRIAL CO., LTD. / TOYOBO CO., LTD.	POCT (Legionella urinary antigen, Bordetella pertussis etc.), GENECUBE Fully Automated Gene Analysis System, USCANNER Premio Urine Sediment Analyzer
45	Greiner Bio-One	Our exhibit features VACUETTE blood collection tubes with safety caps and MiniCollect capillary tubes
46	SENKO MEDICAL INSTRUMENT Mfg. CO., LTD.	
47	Eppendorf Co.,Ltd.	
48	TEXeg CO., LTD.	
49	Siemens Healthineers	
50	BRAIN Co.,Ltd.	We introduce an AI checking system that supports pathology laboratory operations by verifying slide folders and confirming the presence of specimens.
51	Japanese Association of Clinical Laboratory Systems (JACLaS)	
52	Q-may Laboratory Corporation	Blood coagulation-related reagents, D-dimer, FDP, Fibrinogen, vWF, etc

Booth No.	Exhibitors	Major Exhibition Contents
53	FUJITSU JAPAN	HOPE LifeMark-LAINS is a clinical laboratory system developed by an EMR vendor that contributes to improving the quality of medical care.
54	Denka Co., Ltd.	• Immunochromatographic Testing Devices & Readers • Clinical Chemistry Reagents
55	Shirai Electronics Industrial Co., Ltd.	The products on display are delivery robots and cleaning robots that can ride in elevators.
56	ARKRAY, Inc.	
57	DAINIPPON SEIKI CO., LTD.	Auto Slide Preparation System AS-410M and Automatic FFPE Tissue Block Facing Device AT-192M
58	GramEye, Inc.	Mycrium® is a Gram staining system automating staining, microscopy, imaging, and AI analysis. It standardizes workflows and optimizes lab efficiency.
59	A&T Corporation	A lineup of products that provide comprehensive solutions for clinical laboratories will be presented. Laboratory Information System – CLINILAN Series
60	Pulstec Industrial Co.,Ltd.	
61	TAKANO Co.,Ltd.	The analyzer (SiLIS-100) measures total IgE and 45 allergen-specific IgE from just 40 µL of serum or plasma, with results available in 15 minutes.
62	SUGIYAMA-GEN CO., LTD.	
63	MIZUHO MEDY Co., Ltd.	Point-of-Care PCR analyzer with 8 dedicated reagents, lateral flow reader compatible with 10 rapid antigen tests, and other diagnostic products
64	Japan International Cooperation Agency (JICA)	Introduction of Japan Disaster Relief Medical Team (JDR). Photo and video displays will illustrate our activities.
65	PHC Corporation	PATHFAST™ is a highly precise, fast and compact chemiluminescence immunoassay analyzer designed for confident decision-making at the point of care.
66	FEATHER SAFETY RAZOR CO.,LTD.	MICROTOME BLADE, MICROTOME HOLDER, TRIMMING KNIFE, DISSECTING BLADE, AUTOPSY BLAD, REPLACEABLE BLADE SCISSORSE
67	Sakura Finetek Japan Co., Ltd.	We are presenting a variety of information covering from "integration of staining and film embedding" to digitization.
68	Craif Inc.	Oyster is a next-generation LIMS that enables rigorous quality management and flexible laboratory workflows for testing and research.
69	ASIAKIZAI Inc.	

Makuhari Messe International Conference Hall 2F Lobby

Exhibitor	Contents
Shigaku Bookstore	Book

For Attendees

Basic Information

Language

The official language of the congress is English.

Congress Policy

- IFBLS has stated that the purpose of the Congress is to promote excellence in Biomedical Laboratory Science, foster professional development, provide networking opportunities within an educational forum, and advance Biomedical Laboratory Sciences globally. This mission holds significant international and scientific value. In alignment with this objective, JAMT will organize and implement the Congress.
- Please switch your mobile phones off or to vibration mode during all sessions.
- No photography and/or recording are allowed in any sessions, including posters.
- Smoking is prohibited at all times in the congress rooms and the entire building.

Congress Abstracts

Abstract books and program books are handed out to the registrants.
Abstracts can be downloaded from the congress website.

PC Preview

Special sessions speakers are requested to report to the PC Preview in the venue.
2nd floor Lobby, International Conference Hall (In front of Venue 2)

September 24 (Thu.)	8:30-15:30
September 25 (Fri.)	8:30-11:00

Prayer Room for Muslim

In front of Exhibition Hall 5, in front of Daily Yamazaki convenience store

Meals

The participation fee includes welcome reception, beer party, and lunch on September 23–26.
Lunch picks up area

September 23 (Wed.)	3rd floor Foyer, International conference hall
September 24 (Thu.) - 26 (Sat.)	International Exhibition Hall 8

Bookstore of JAMT Publishing

2nd floor Foyer, International conference hall (From September 25)

JAMT Office

Room 101A 1st floor, International Conference Hall

IFBLS Office

Room 102A 1st floor, International Conference Hall

Open Hours

Registration

September 23 (Wed.)	8:30-17:00	1 st floor Lobby, International Conference Hall
September 24 (Thu.)	8:30-17:00	
September 25 (Fri.)	8:30-17:00	
September 26 (Sat.)	8:30-17:00	
September 27 (Sun.)	8:30-12:00	

Cloak

September 23 (Wed.)	8:30-20:30	2 nd floor Hoyer, International Conference Hall
September 24 (Thu.)	8:30-20:30	2 nd floor, entrance for International Exhibition Hall
September 25 (Fri.)	8:30-21:30	
September 26 (Sat.)	8:30-18:30	
September 27 (Sun.)	7:30-15:30	

Exhibition

September 25 (Fri.)	11:30-17:00	International Exhibition Hall 7
September 26 (Sat.)	8:30-17:00	
September 27 (Sun.)	8:30-15:00	

Coffee Break

September 23 (Wed.)	10:00-10:30 / 15:00-15:30	2 nd floor Foyer, International conference hall
September 24 (Thu.)	10:00-10:30 / 15:00-15:30	2 nd floor Foyer, International conference hall
September 25 (Fri.)	10:00-10:30	2 nd floor Foyer, International conference hall / International Exhibition Hall 8
September 26 (Sat.)	10:00-10:30	International Exhibition Hall 8
September 27 (Sun.)	10:30-10:45	2 nd floor Foyer, International conference hall

The 75th JAMT Congress 2026

The 75th JAMT Congress 2026 will be held from September 26 (Sat.) to 27 (Sun.), 2026.



Instructions for Presenters

Information for Special Program Speakers (Keynote, Educational Lecture, Symposium, Workshop, IFBLS Special Session, etc.)

All presentations will be discussed in English as oral presentations.
Please complete conference registration (or on-site registration) at the Registration Desk.

Preparing Presentation Data

Please note the following guidelines when preparing your presentation materials.

Fonts

To prevent character corruption and layout issues, please use standard fonts such as Arial, Century, Century Gothic, and Times New Roman.

If special fonts are used, we recommend converting the text to images before inserting it into your slides.

For Windows Users

- * Please prepare your presentation using Microsoft PowerPoint.
- * A slide size of 16:9 (widescreen format) is recommended.
- * The presentation PCs and projectors provided at the venue support Full HD resolution (1920 × 1080).
- * The operating system of the presentation PCs is Windows 11.
- * Microsoft PowerPoint (Office 365) will be used for presentations at the venue.

For Mac Users

- * If your presentation is created on a Mac, please thoroughly check in advance for any compatibility issues or layout changes when displayed in a Windows environment.
- * If your presentation contains video files or if you are concerned about possible display issues, bringing your own laptop is recommended.
- * The connection interface at the venue will be HDMI. If your device requires an adapter, please bring your own.
- * Please test your presentation on a different computer in advance and prepare backup data.

Bringing Presentation Data

- * Please save your presentation file on a USB flash drive and bring it with you.
- * Ensure that your USB flash drive has been scanned for viruses before arrival.
- * Please confirm that the presentation functions correctly on a computer other than the one used to create it.
- * The file name should be saved in the following format: "Presentation Number_Presenter Name"
- * Modifications to presentation data cannot be made at the venue. Please be sure to bring backup copies of your data.
- * All presentation data received by the organizers will be securely deleted after the conference.

Use of Video and Audio

- * If your presentation includes video or audio, please inform the staff at the time of registration.
- * MP4 format is recommended for video files.
- * In addition to embedding videos in your PowerPoint presentation, please bring the original video files as backup.
- * Video files and any linked data should be stored in the same folder as the presentation file.

Presentation Data Check-in

1. Please complete data submission and preview testing at the PC preview room at least 60 minutes before your session begins (or 30 minutes before the first session of the day).
2. Presentation files should be brought on a USB flash drive. Files sent in advance by mail or courier cannot be accepted.
3. Presentation using a personal laptop is generally not permitted except in special circumstances. After completing the check-in process, presenters will receive a presentation confirmation slip.

Please present this slip to the audiovisual operator in your session room at least 30 minutes before the session begins (or immediately after PC reception for the first session of the day).

Presentation Time

Symposium	15–20 minutes per speaker/3–5 speakers per session Total session duration: 90 minutes includes FAQ time
Workshop	10–15 minutes per speaker/3–5 speakers per session Total session duration: 60 minutes includes FAQ time

- Presentation time begins when the Chair starts introducing the presentation, not when the speaker begins speaking.
- To maintain the schedule, presentations and discussions may be terminated if they exceed the allotted time.
- All presentation data copied to conference computers will be securely deleted by the organizers after the conference.

Information for General session Presenters

All general session presentations will be presented in English and presented in poster format.
All presenters must complete conference registration (or on-site registration) at the Registration Desk.

Poster Presentation Schedule

Venue:

Poster Area (Makuhari Messe International Exhibition Hall 8)

Schedule:

Poster Mounting	September 24 (Thu), 13:00–17:00
Poster Display	September 25 (Fri), 09:00–17:00 (Social Hours: 09:00–12:00) September 26 (Sat), 09:00–17:00 September 27 (Sun), 09:00–13:00
Poster Removal	September 27 (Sun), 13:00–15:00

Presentation Guidelines

- No individual presentation time slots will be assigned for poster presentations. “Social Hours” will be held on Friday, September 25, from 09:00 to 12:00. Presenters are encouraged to visit the poster area during this time to interact with attendees and discuss their work.
- Outstanding poster presentations will be considered for the Poster Award. Judges may visit your poster and ask questions regarding your research. Poster Award winners will be announced during the Closing Ceremony on September 27, Sunday morning.

Poster Setup

No check-in is required for poster presentations.

Thumbtacks will be provided at each poster board. Please mount your poster at the designated location according to your presentation number within the assigned setup period.

Presenters are requested to remain near their posters during the “Social Hours” and be available to answer questions from participants.

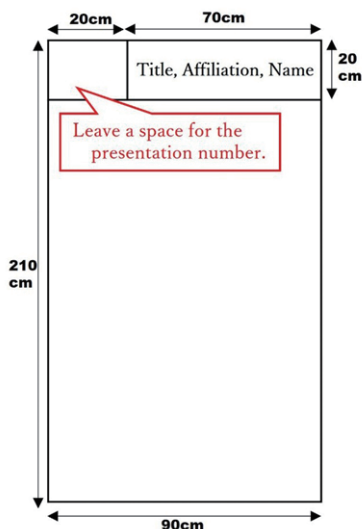
Please note: Posters must be removed during the designated removal period. Any posters remaining after the deadline will be removed and disposed of by the organizers.

Poster Specifications

Poster size	Length 190 cm x width 90 cm.
Font	Widely used font (Arial or Calibri recommended.)
Disclosure of COI	To avoid any commercial bias, all authors must disclose conflicts of interest in a statement at the bottom of the poster.

- Please prepare the title, affiliations, and author information within a space of 70 cm (W) × 20 cm (H).
- Poster numbers will be prepared by the congress Secretariat.
- The title, author names, affiliations, and poster content should be prepared by the presenter.

Sample Poster



Program at a Glance

International Conference Hall															International Exhibition Hall			
Facility name	Floor	2F										3F			1F		1F	
Room name		Convention Hall	International Conference Room	Lobby		201	301	302	303	304	Counter	Exhibition Hall 7	Exhibition Hall 8					
Venue name		Venue 1	Venue 2		Venue 3	Venue 4	Venue 5	Venue 6	Venue 7	Registration Desk	Exhibition	Poster-Lunch						
8:30 ▶																		
9:00 ▶																		
10:00 ▶																		
11:00 ▶																		
12:00 ▶																		
13:00 ▶																		
14:00 ▶																		
15:00 ▶																		
16:00 ▶																		
17:00 ▶																		
18:00 ▶																		
19:00 ▶																		
20:00 ▶																		

• Welcome Ceremony: Smart Casual • Welcome Reception: Casual



International Conference Hall													International Exhibition Hall		
Facility name														1F	
Floor	2F						3F				1F		1F		
Room name	Convention Hall	International Conference Room	Lobby		201	301	302	303	304	Counter	Exhibition Hall 7	Exhibition Hall 8			
Venue name	Venue 1	Venue 2			Venue 3	Venue 4	Venue 5	Venue 6	Venue 7	Registration Desk	Exhibition	Poster-Lunch			
8:30 ▶										Registration					
9:00 ▶		WS01 Microbiology			WS02 Hematology	WS03 Transfusion Medicine	WS04 Genetics	Chief Delegates Meeting-Day 2							
10:00 ▶			Coffee Break						Student Forum						
11:00 ▶		SY01 Hematology			SY02 Education	SY03 Immunology	SY04 Others (Physiology)								
12:00 ▶									Lunch Seminar for students	Registration		Lunch			
13:00 ▶															
14:00 ▶		SY05 Microbiology			SY06 Cytology	SY07 Chemistry	SY08 Parasitosis								
15:00 ▶			Coffee Break												
16:00 ▶		Educational Lecture2 DrHayato Miyachi			WS05 Others (Management)	WS06 Cytology	WS07 Urinalysis								
17:00 ▶															
18:00 ▶															
19:00 ▶	Beer Party														
20:00 ▶															

• Beer Party: Casual

Program at a Glance

Facility name	International Conference Hall										International Exhibition Hall	
	2F				3F			1F		1F		
Floor										Exhibition Hall 7	Exhibition Hall 8	
Room name	Convention Hall	International Conference Room	Lobby		201	301	302	303	304	Counter		
Venue name	Venue 1	Venue 2			Venue 3	Venue 4	Venue 5	Venue 6	Venue 7	Registration Desk		
8:30 ▶										Registration		
9:00 ▶		IFBLS Special Session			WS08 Pathology	WS09 Education	WS10 Immunology					
10:00 ▶			Coffee Break								10:00-10:30 Coffee Break	Poster viewing
11:00 ▶	Educational Lecture3 Dr.Kentaro Nanda	Educational Lecture1 Dr.Amy Spiczka			SY09 Pathology	SY10 Genetics	SY11 Transfusion Medicine				Social Hours 9:00-12:00	
12:00 ▶											Ribbon-cutting ceremony	
13:00 ▶										Exhibition	Lunch	
14:00 ▶												
15:00 ▶	Opening Ceremony											
16:00 ▶	Keynote Speech 1									Exhibition	Poster viewing	
	Keynote Speech 2											
17:00 ▶												
18:00 ▶												
19:00 ▶												
21:00 ▶	Gala Dinner											

• Opening Ceremony: Business Attire • Gala Dinner: Casual

September 26

International Conference Hall										
Facility name	2F						3F			International Exhibition Hall
Floor										1F
Room name	Convention Hall	International Conference Room	Lobby		201	301	302	303	304	Exhibition Hall 7
Venue name	Venue 1	Venue 2			Venue 3	Venue 4	Venue 5	Venue 6	Venue 7	Exhibition Hall 8
8:30 ▶										Poster viewing
9:00 ▶										Poster viewing
12:00 ▶										Poster viewing
13:00 ▶										Poster viewing
17:00 ▶										Poster viewing

September 27

International Conference Hall										
Facility name	2F						3F			International Exhibition Hall
Floor										1F
Room name	Convention Hall	International Conference Room	Lobby		201	301	302	303	304	Exhibition Hall 7
Venue name	Venue 1	Venue 2			Venue 3	Venue 4	Venue 5	Venue 6	Venue 7	Exhibition Hall 8
8:30 ▶										Poster viewing
9:00 ▶										Poster viewing
12:00 ▶										Poster viewing
13:00 ▶										Poster viewing
17:00 ▶										Poster viewing

September 25 (Fri.)

Keynote Speech 1

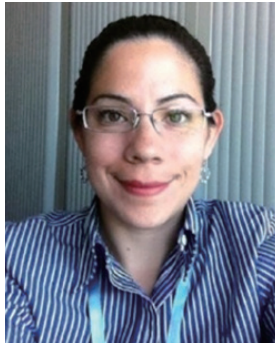
Convention Hall

Venue 1

September 25 (Fri.) 15:00-15:30

Chair: Kyoko Komatsu (Tsuchiura Kyodo General Hospital, Department of Pathology)

KS01 Building Bridges: Biomedical Laboratory Science Connecting People, Innovation and Global Health



Ana Aceves Capri

Medical Devices and Assistive Technology team. Department of Medicines and Health Products Policies and Standards. World Health Organization.

Special
Speakers

Keynote Speech 2

Convention Hall

Venue 1

September 25 (Fri.) 15:30-16:00

Chair: Hiromichi Matsushita (Japanese Society of Laboratory Medicine)

KS02 Regarding emerging infectious diseases such as COVID-19



Shigeru Omi

Chairman, Board of Directors Japan Anti-Tuberculosis Association(JATA)

September 24 (Thu.) - 25 (Fri.)

Educational Lecture 1

International Conference Room

Venue 2

September 25 (Fri.) 11:00-12:00

Chair: Hideo Sakamoto (Kobe Tokiwa University Medical Technology)

EL01 Advancing Global Laboratory Practice Through Examination Excellence and Data-Driven Insights: ASCP BOC's Commitment to Professionals and Patients Worldwide



Amy Spiczka

DHSc, MS, HTL(ASCP)^{CM}, SCT^{CM}, MB^{CM}, CPHQ

Executive Director, Board of Certification, American Society for Clinical Pathology

Educational Lecture 2

International Conference Room

Venue 2

September 24 (Thu.) 15:30-16:30

Chair: Mohd Nazil Bin Salleh (Malaysian Institute of Medical Laboratory Science)

EL02 Quality Assurance Framework for Molecular Genetic Testing: International Standards and Risk Management for Laboratory Developed Tests



Hayato Miyachi

Professor, Department of Clinical Laboratory Science, Nitobe Bunka College

Educational Lecture 3

International Conference Room

Venue 2

September 25 (Fri.) 10:30-10:50

Chair: Hideo Sakamoto (Kobe Tokiwa University Medical Technology)

EL03 Disaster response supporting system by JAMT



Kentaro Naoda

Seirei Hamamatsu General Hospital (Japan)

September 24 (Thu.)

Lunch Seminar for students

Room 304

Venue 7

September 24 (Thu.) 12:00-13:00

Meet the IFBLS Leaders

Ask the IFBLS Leaders, Shape Your Future

Chair: Yui Namikawa (Toin University of Yokohama)

The future of Biomedical Laboratory Science begins with curiosity, dialogue, and inspiration.

This interactive lunch seminar offers students a unique opportunity to meet IFBLS Past Presidents and IFBLS leaders from around the world. Through an open Q&A session, participants are invited to ask questions about professional careers, international collaboration, leadership, education, and the future of the profession.

Rather than a traditional lecture, this session is designed as an engaging conversation between students and global leaders. By sharing their experiences, challenges, and visions, the speakers aim to inspire the next generation of biomedical laboratory professionals and encourage students to pursue leadership opportunities in an increasingly connected world.

Whether you are considering your future career, interested in international activities, or simply curious to hear from leaders who have shaped our profession, this session is for you.

Bring your questions. Meet the IFBLS leaders. Shape your future.

Special
Speakers

Speakers:



Marie Culliton
Past-President of IFBLS
(Ireland)



Gabriella Lillsunde Larsson
President of IFBLS
(Sweden)



Hassan Aziz
President-Elect of IFBLS
(United States of America)



Kyoko Komatsu
Former President of IFBLS
(Japan)

September 25 (Fri.)

IFBLS Special Session

International Conference Room

Venue 2

September 25 (Fri.) 09:00-10:00

IFBLS-A professional framework towards increased knowledge, advancement and visibility of the profession

Chair: Kyoko Komatsu (Tsuchiura Kyodo General Hospital, Department of Pathology)

IFBLS-A professional framework towards increased knowledge, advancement and visibility of the profession



Gabriella Lillsunde Larsson
President of IFBLS (Sweden)
Associate Professor, Örebro University, Örebro, Sweden

IFBLS Services to Members

International Directory of Biomedical Laboratory Science Education (IDBLSE) and IFBLS Professional Code of Ethics



Marie Nora Roald
Member at Large of IFBLS (Norway)
Laboratory Manager, Department of Medical Biochemistry and Blood Bank, Helse Møre and Romsdal Hospital Trust

ISCO Classification and Biomedical Laboratory Scientists



Marie Culliton
Past-President of IFBLS (Ireland)
MSc, MBA, FACSLM



September 24 (Thu.) - 25 (Fri.)

Symposium 1

International Conference Room

Venue 2
September 24 (Thu.) 10:30-12:00

The advancement of hematological analysis utilizing new technology (AI and big data, etc)

Hematology

Chairs: Yuya Tanabe (Hematology Laboratory, Clinical Laboratory, Japanese Red Cross Kyoto Daini Hospital)
Robyn Wells (Board Member of IFBLS (Australia))

- SY01-1 A New Stage in Thrombosis and Hemostasis Testing
The Future of Thrombosis and Hemostasis Testing with Artificial Intelligence
Naoki Tokunaga
Department of Clinical Laboratory, Kawashima Hospital
- SY01-2 Seeing Before Sequencing: Early AML Treatment
Morphology and flow cytometry as rapid surrogates for AML decision-making
Hui-Ling Chen, Li-Fong Hong, Yi-Chun Kuo, Chia-Yi Hou
Chi Mei Medical Center, Liouying
- SY01-3 The *CALR* mutation in myeloproliferative neoplasms patients: a single institution experience
FRIKHA
University hospital of sfax; Department of Medical genetic Sfax-TUNISIA
- SY01-4 p53 Expression by IHC and Cytogenetic-Morphological Findings in MDS
Mari Kunihiro
Fukuyama City Hospital, Hiroshima, Japan
- SY01-5 Data-Derived D-dimer Cutoffs Corresponding to FDP Categories in the JAAM-2 DIC Criteria
A Large Real-World Analysis
Ryota Masutani
Dept. of Central Clinical Laboratory, Osaka Medical and Pharmaceutical Univ. Hosp

Scientific
Program

Symposium 2

Room 201

Venue 3
September 24 (Thu.) 10:30-12:00

Career development for BLS students

Education

Chair: Hideo Sakamoto (Kobe Tokiwa University Medical Technology)

- SY02-1 Current Career Paths After Studying Biomedical Laboratory Science
Kohki Okada
Department of Medical Technology and Sciences, Faculty of Health Sciences, Kyoto Tachibana University

SY02-2 BLS Education and Career Paths in Norway

Marie Nora Roald

Department of Medical Biochemistry and Blood Bank, Helse Møre and Romsdal Hospital Trust

SY02-3 Closing the Gap

DCLS Practice Model as the Key to Transforming Patient Care from Volume to Value

Hassan Aziz¹, Peter Hu², Yasmen Simonian³, Marisa James⁴

1 The Rochester Institute of Technology (RIT), New York / IFBLS President-Elect

2 The University of Texas MD Anderson Cancer Center

3 Weber State University

4 National Accrediting Agency for Clinical Laboratory Science

SY02-4 The Swedish Biomedical Laboratory Scientist Research School for eXcellence (BioLabX)

A national initiative to increase the amount of university teachers and researchers within biomedical laboratory science

Gabriella Lillsunde Larsson

President IFBLS 2024–2026, associate professor at Örebro University, Örebro Sweden and node director (Örebro) of The Swedish Biomedical Laboratory Scientist Research School for eXcellence (BioLabX)

Symposium 3

Room 301

Venue 4

September 24 (Thu.) 10:30-12:00

The Future of Immuno-Serological Testing: Addressing Unexpected Pitfalls and Exploring New Horizons

Immunology

Chairs: Chiaki Sato (Clinical Laboratory, Showa Medical University Koto Toyosu Hospital)

Giseon Song (Board Member of IFBLS (Korea))

SY03-1 Future of Immunoserological Testing

Toward the Resolution of Pitfalls

Ryuji Miki

Department of Clinical Laboratory, Dokkyo Medical University Saitama Medical Center

SY03-2 Transition from intravenous to subcutaneous natalizumab treatment in persons with multiple sclerosis

Aage Winje Brustad

Department of Medical Biochemistry, Oslo University Hospital, Norway

Symposium 4

Room 302

Venue 5
September 24 (Thu.) 10:30-12:00

Physiological Diagnostics in the Digital Age: new technology (AI and big data, etc) into Functional Testing

Others (Physiology)

Chair: Tomohito Yara (Central Clinical Laboratory, JIHS, Center Hospital of the National Center for Global Health and Medicine)

**SY04-1 AI in Physiological Functional Diagnostics
To What Extent Can We Rely on It?**

Nozomi Aoyama

Clinical Laboratory, NTT Medical Center Tokyo

SY04-2 Enhancing Clinical Laboratory Internship Training Through an Intelligent Image-Assisted Learning System

Application to Sperm Counting and Morphological Analysis in Microscopic Examination

Ming-Shu Chen¹, Chung-Chih Hung², Tsou-Chi Chen³

¹ Department of Healthcare Administration, Asia Eastern University of Science and Technology, New Taipei City 220, Taiwan, (ROC)

² Department of Laboratory Medicine, Taipei Hospital, Ministry of Health and Welfare, New Taipei City 220, Taiwan, (ROC)

³ Department of Health Promotion and Health Education, National Taiwan Normal University, Taipei City 106, Taiwan, (ROC)

SY04-3 Toward More Precise Neurophysiological Diagnosis: Motor Function Assessment Using the Second Lumbrical CMAP in Carpal Tunnel Syndrome

Keita Nishiwaki, Fuuki SUGIOKA, Yuu ISOMURA, Keitarou ITOU, Kenji INOUE, Yuudai SUZUKI, Eiji ITOU, Takeshi OOSHIMA

Department of Clinical Laboratory, Kariya Toyota General Hospital, Aichi

SY04-4 Invasive EEG versus Stereo-EEG for Epileptogenic Zone Localization

A Comparative Analysis of Invasive Monitoring Techniques in Presurgical Epilepsy Evaluation

Park Jin woo

Neurology Lap. Samsung Medical Center, Seoul Korea

Scientific
Program

Symposium 5

International Conference Room

Venue 2
September 24 (Thu.) 13:30-15:00

Advanced Technologies Revolutionizing Microbiological Testing

Microbiology

**Chairs: Takeya Ohshiro (Department of Clinical Laboratory, Naha City Hospital, Okinawa)
Bitten Kaanbjerg Kristensen (Board Member of IFBLS (Denmark))**

**SY05-1 Toward the implementation of Bacterial WGS to Transform Clinical Practice
Proposing the Concept of Tracking Antimicrobial-Resistant Organisms Timely (TAROT)**

Kotaro Aoki

Microbiology and Infectious Diseases, Toho University School of Medicine

SY05-2 Enhancing tuberculosis diagnosis and drug resistance detection in Thailand through next-generation sequencing (NGS)

Panan Ratthawongjirakul

1 Director of Center of Excellence for Innovative Diagnosis of Antimicrobial Resistance

2 Faculty of Allied Health Sciences, Chulalongkorn University

3 Scientific chairman of the Association of Medical Technology of Thailand

SY05-3 Clinical Determinants of Rapid Influenza Antigen Test Performance Effects of Age and Symptom Duration on Diagnostic Accuracy

Suphara Manowong, Sujitra Kaewarree, Phakamat Saihikam, Tavitiya Sudjaritruk

Department of Pediatrics, Faculty of Medicine, Chiang Mai University, Chiang Mai, Thailand

SY05-4 Nomman: automated bacterial nomenclature management in the clinical microbiology laboratory

Herman Tse¹, Garnet Kwan-Yue Choi²

1 Department of Laboratory Medicine, Khoo Teck Puat Hospital, Singapore

2 Department of Pathology, Hong Kong Children's Hospital, Hong Kong, China

Symposium 6

Room 201

Venue 3

September 24 (Thu.) 13:30-15:00

Cytology Beyond Generations: What Today's Experts Want to Share with Tomorrow's Cytotechnologists

Cytology

Chairs: Shuhei Ishii (Pathology, The Cancer Institute Hospital, Japanese Foundation for Cancer Research)

Hwa Jeong Ha (Department of Hematology, Transfusiology and Laboratory Research, Tashkent State Medical University, Uzbekistan)

SY06-1 Immunocytochemistry Using the Cell Transfer Method in Cytological Specimens

Shinji Matsumoto

Department of Pathology, Fukuoka University Hospital

SY06-2 Diagnostic Clues in Pancreatic Cytology

Ancillary Findings Suggestive of Malignancy

Yuki Obara

Laboratory of Anatomic Pathology Toyama University Hospital

SY06-3 Cytology Beyond Generations: Integrating AI-driven Morphological Recognition with Lean Management in Clinical Practice and Education

Transforming Laboratory Workflows and Morphological Education in The Era of Digital Diagnostics

Wan-Ling Chiu

1 Technical Supervisor, Laboratory Medicine, Taipei City Hospital (Yang-Ming Branch), Taiwan

2 PhD. Student, Graduate Institute of Business Administration, Fu Jen Catholic University, Taiwan

SY06-4 Impact of BLS's Technical Proficiency on Cytologic Diagnosis

Focused on Specimen Processing in Central Nervous System Samples

Atsuko Suzuki¹, Tomoko Shimooka¹, Kazuyo Yoshida¹, Yuka Kagawa¹, Asuka Imai¹,

Kyoko Komatsu², Hiroyuki Hao³

1 Pathology Laboratory, Nihon University Itabashi Hospital

2 Pathological diagnosis unit, Tsuchiura Kyodo General Hospital, Japan

3 Division of Human Pathology, Department of Pathology and Microbiology, Nihon University School of Medicine

SY06-5 Insights into Tenascin-C in MAPK inhibitor resistance in melanoma
 Nina Zila¹, Christopher Gerner², Ossia M. Eichhoff³, Verena Paulitschke⁴

1 Biomedical Science, University of Applied Sciences Campus Vienna; / Dept. of Dermatology, Medical Univ. of Vienna; Austria
 2 Dept. of Analytical Chemistry, Univ. of Vienna; Austria
 3 Dept. of Dermatology, Univ. Hospital Zurich, Univ. Zurich; Switzerland
 4 Dept. of Dermatology, Medical Univ. of Vienna; Austria

Symposium 7

Room 301

Venue 4
 September 24 (Thu.) 13:30-15:00

Global Landscape of Clinical Chemistry: Current Status and Future Perspectives

Chemistry

Chair: Ryunosuke Ohkawa (Clinical Bioanalysis and Molecular Biology, Institute of Science Tokyo)

SY07-1 Navigating Through Standardization, Digital Transformation, and Advanced Quality Control
 Keita Yamashita

Department of Laboratory Medicine, Hamamatsu University Hospital

SY07-2 The development of POCT at Landspítalinn

Helga Sigrún Sigurjónsdóttir

Department of Clinical Biochemistry, Laboratory Core, Landspítali – The National University Hospital of Iceland, Reykjavík, Iceland

SY07-3 When challenges become opportunities: quality reviews in geographically distributed laboratories in accordance with ISO 15189:2022

Louise Spendrup

Biomedical Laboratory Scientist, Clinical Chemistry, Medical Diagnostics, Karolinska, Karolinska University Hospital

SY07-4 Falsely Low Total Bilirubin by Elevated Hyaluronic Acid

Yu Nagakura¹, Shinya Ueno¹, Yasuko Okui¹, Yoshiya Matsumoto², Takuya Asaoka², Kouji Abou¹, Tomoya Kawaguchi², Mika Nakamae¹

1 Department of Central Clinical Laboratory, Osaka Metropolitan University Hospital

2 Department of Respiratory Medicine, Graduate School of Medicine, Osaka Metropolitan University

SY07-5 Artificial Intelligence for Clinical Chemistry in Low-Resource Laboratory Settings. Implementing Edge AI for Real-Time Diagnostic Support in Connectivity-Challenged Environments

Ahmed Salih¹, Hanem Haron²

1 Sudan Lab AI

2 Deep Solve medtech

Symposium 8

Room 302

Venue 5
September 24 (Thu.) 13:30-15:00

Global Trends in Parasitic Disease Detection and Innovations in Diagnostic Methods

Parasitosis

Chair: Kenichiro Ohnuma (Clinical Laboratory Kobe University Hospital)

- SY08-1** **Rapid Diagnostic Tests in Malaria**
Confronting Drug and Diagnostic Resistance
Takaya Sakura
Institute of Tropical Medicine (NEKKEN), Nagasaki University
- SY08-2** **Molecular Detection of *Fasciola* spp. In Farmland Plants and Surrounding Water Samples from Selected *Barangays* in San Jose City, Nueva Ecija: A Corollary for One Health Approach**
Somer Dame A. Basallote
1 Department of Medical Technology, Faculty of Pharmacy, University of Santo Tomas
2 Biosafety and Environment Section, Research and Department Division, Philippine Carabao Center National Headquarters and Gene Pool, Science City of Muñoz, Nueva Ecija 3120, Philippines
3 Local Government Unit, San Jose City, Nueva Ecija, Philippines
- SY08-3** **Evaluating the Diagnostic Accuracy of the Sysmex XN-31 Automated Malaria Analyzer Against Gold Standard Microscopy: A. cross-sectional study in Kumasi-Ghana**
Edward Yaw Afriyie, Theophilus Arthur-Gyimah
Haematology Unit, Komfo Anokye Teaching Hospital, Kumasi-Ghana
- SY08-4** **Two Cases of Cryptosporidiosis: Oocysts Initially Detected by Gram Stain**
Yusuke Nomura¹, Yoshimi Higurashi¹, Shinya Yamamoto², Kazuhiko Ikeuchi², Ryu Yoneda¹, Kazuya Okushin¹, Takeya Tsutsumi¹
1 Department of Infection Control and Prevention, The University of Tokyo Hospital, Tokyo, Japan
2 Department of Infectious, Diseases, The University of Tokyo Hospital, Tokyo, Japan

Symposium 9

Room 201

Venue 3
September 25 (Fri.) 10:30-12:00

Next-Generation Histopathology: Bridging Fundamental Processing and Advanced Technologies

Pathology

Chair: Satoshi Morito (Department of Diagnostic Pathology, Hyogo Medical University Hospital)

- SY09-1** **Advanced Testing, Built on Strong Foundations**
Perspectives on Pre-analytical Pathology in the Genomic Era
Yoshiki Shinomiya
Center for Development of Advanced Diagnostics, Hokkaido University Hospital, Sapporo, Japan
- SY09-2** **Integration of Artificial Intelligence (Ai) Technology in Histopathology Curriculum in Medical Technology**
Mohd Nazil Bin Salleh
Department Forensic Law Enforcement, SAITO University College, Kuala Lumpur Malaysia

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- SY09-3 **Implementation of MacroPATH MX SK C-Scan
Image-Based Macroscopic Biopsy Documentation**
Joergensen, Charlotte Salskov
Department of Pathology, Odense University Hospital
- SY09-4 **Digital Pathology Implementation in Remote Canadian Regions
A summary of unique opportunities and challenges**
Christine Bruce, Raj Saniasy
University Health Network

Symposium 10

Room 301

Venue 4
September 25 (Fri.) 10:30-12:00

Current Status of Genome Testing with NGS in Japan and Worldwide

Genetics

Chair: Yuka Fujimoto-Sato (Tokyo Healthcare University)

- SY10-1 **The Evolving Role of Laboratory Scientists in Genomic Medicine
Education and Workforce Development for the Genomic Era in Japan**
Asami Nishikori
Department of Molecular Hematopathology, Okayama University Graduate School of Health Sciences, Okayama, Japan
- SY10-2 **Current Status of Genome Testing with NGS in Japan and Worldwide
From Companion Diagnostics to CGP: Practical Realities of Cancer Genomic Testing in Japan**
Kaori Watanabe
Department of Laboratory Medicine, National Cancer Center Japan
- SY10-3 **Advanced Genomic Diagnostics: Current Status and the Vital Role of Medical Laboratory
Professionals in the NGS Era
Global Trends and Strategic Adaptations in South Korea's Healthcare Landscape**
Jiwon Lee
Department of Laboratory Medicine, The Catholic University of Korea Seoul St. Mary's Hospital, Seoul, South Korea
- SY10-4 **Dual luciferase assays for miRNA target investigation in salmonid cells**
Nardos Tesfaye Woldemariam¹, Hilde Sindre², Alice Shwe¹, Rune Andreassen¹
¹ Oslo Metropolitan University, Dept. of Life Sciences and Health, Biomedical Laboratory Sciences
² Norwegian Veterinary Institute

Symposium 11

Room 302

Venue 5
September 25 (Fri.) 10:30-12:00

Clinical support in the field of blood transfusion across various countries

Transfusion medicine

Chairs: Ryosei Murai (Division of Laboratory Medicine, Sapporo Medical University Hospital)
Marie Culliton (Past-President of IFBLS (Ireland))

SY11-1 Clinical Support by Medical Technologists in Transfusion Medicine
Task Shifting and Task Sharing in Japan

Yuya Tashiro

Department of Transfusion Service, Tokai University Hospital, Kanagawa, Japan

SY11-2 Cis-AB Blood Group with Asian-type DEL (c.1227G>A): Serologic and Molecular
Characterization of a Rare Case
A rare combination of ABO Cis-AB and RHD*01EL.01 alleles

Sumin Kim

Department of Laboratory Medicine, Seoul St. Mary's Hospital, College of Medicine, The Catholic University of Korea, Seoul, Republic of Korea



September 24 (Thu.) - 25 (Fri.)

Workshop 1

International Conference Room

Venue 2
September 24 (Thu.) 9:00-10:00

Resistance: Current Status and Strategic Responses

Microbiology

Chair: Kenichi Shizuno (Clinical Laboratory, Chiba Kaihin Municipal Hospital)

WS01-1 Current Status and Strategic Responses to AMR in Japan
Surveillance Systems and Epidemiological Trends of Antimicrobial-Resistant Bacteria
Kohei Uechi

Division of Clinical Laboratory and Infection Control Kanazawa University Hospital

WS01-2 A glance of carbapenem-resistant situation in Thailand
Pitak Santanirand

1 Head of Microbiology Laboratory, Department of Pathology, Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand

2 President of the Royal College of Medical Technologists (RCMT), Thailand

WS01-3 The Importance of Establishing Testing Strategies Based on Risk Assessment of Drug-Resistant Bacteria
-Aligning Local Epidemiology, Facility Resources, and Regional Networks-
Hara Yuki

Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital

Scientific
Program

Workshop 2

Room 201

Venue 3
September 24 (Thu.) 9:00-10:00

The current status and challenges of body cavity fluid analysis

Hematology

Chair: Naoko Hisasue (Clinical Laboratory, The University of Tokyo Hospital)

WS02-1 A Multi-Laboratory CSF Workflow for Rapid Hematologic Malignancy Detection
Yoshifumi Morita

Department of Clinical Laboratory, The University of Tokyo Hospital, Tokyo, Japan

WS02-2 Evaluation of Body Fluid Analysis Using an Automated Hematology Analyzer
Kazuho Uchida

Department of Clinical Laboratory, Toyohashi Municipal Hospital

WS02-3 Cerebrospinal Fluid and Body Cavity Fluids Examination: A Hematological Approach
Current Status and Challenges in the Examination of Cerebrospinal Fluid and Body Cavity Fluids

Kei Shimbo

Clinical Laboratory Center, Dokkyo Medical University Hospital

Workshop 3

Room 301

Venue 4
September 24 (Thu.) 9:00-10:00

Quality control required for blood transfusion testing

Transfusion medicine

Chair: Junko Nishioka (Blood Group Section, Laboratory Division, Japanese Red Cross, Kanto-Koshinetsu Block Blood Center)

WS03-1 Quality management in blood transfusion testing

Shunsuke Kojima

Shinshu University Hospital Center for Advanced Cellular therapy

WS03-2 Strategies and Effectiveness of Improving Management Rh(D)-Negative Blood Components Returns

RhD-Negative Blood Component Return Reduction Strategies

Lin Cheng-Yu, Huang Chen-Tsai

National Taiwan University Hospital Hsin-Chu Branch Laboratory Medicine

WS03-3 Clinical Significance of Naturally Occurring Anti-Wr^a IgG Subclass and Functional Analysis

Hidekazu Hasunuma¹, Tomoko ISHIDA¹, Hiroki OTAKI¹, Tamotsu MACHIDA¹, Sanshiro NAKAO², Naomi SHIMIZU²

¹ Division of Transfusion, Toho University Sakura Medical Center, Sakura, Chiba, Japan

² Department of Clinical Laboratory Medicine, Toho University Sakura Medical Center, Sakura, Chiba, Japan

Workshop 4

Room 302

Venue 5
September 24 (Thu.) 9:00-10:00

Quality Assurance in Genetic Testing Using Next-Generation Sequencing (NGS)

Genetics

Chair: Kenji Amemiya (Department of Medical Technology and Sciences, School of Health Sciences at Narita, International University of Health and Welfare)

WS04-1 Understanding technical limitations of genetic testing by short read NGS

Toward improving diagnostic accuracy

Takayuki Ishige

Department of Applied Genomics, Kazusa DNA Research Institute

WS04-2 How Biobanking enables Precision Oncology in the IMPRESS-Norway study
From Bench to Clinic: The importance of biobanking perspectives in the IMPRESS-Norway study

Britina Kjuul Danielsen*, Solveig Kokkvoll*, Ingrid Dyvik, Aaslaug Helland, Hege G. Russnes, Kajsa A. M. Johansson, Mona Otrebeski Nilsson, Gry A. Gjeitvik *Co-first authors.

Department of Cancer Genetics, Institute for Cancer research, Oslo University Hospital, Oslo, Norway

Workshop 5

Room 201

Venue 3
September 24 (Thu.) 15:30-16:30

Fostering a Culture of Safety in Healthcare: Effective Communication, Standardized Checklists, and Ongoing Quality Improvement

Others (Management)

Chairs: Tokiko Nishimura (Japan Accreditation Board (JAB))
Maria Klement (Board Member of IFBLS (Canada))

- WS05-1 Fostering a Culture of Safety in Healthcare: A Japanese Perspective on Communication, Checklists, and Continuous Improvement**
Shota Miyao
Department of Pathology Laboratory, Osaka Saiseikai Nakatsu Hospital, Osaka, Japan
- WS05-2 Championing a safety culture**
Good professional practice for the ISO 15189:2022 accredited medical laboratory
Dennis MOK
Faculty of Health, Southern Cross University, Bilinga, Queensland, Australia
- WS05-3 From Reactive to Predictive**
Data-Driven Risk Management Across the Clinical Laboratory Testing Process
Hidekazu Ishida
Division of Clinical Laboratory, Gifu University Hospital

Workshop 6

Room 301

Venue 4
September 24 (Thu.) 15:30-16:30

Global Cytology Case Conference: Sharing Diagnostic Perspectives Across Borders

Cytology

Chairs: Masami Nambu
Mirjana Stupnisek (University Hospital for Infectious Diseases, Zagreb, Croatia)

- WS06-1 Kazuyo Yoshida**
Nihon University Itabashi Hospital
- WS06-2-1 Mirjana Stupnisek**
1 University Hospital for Infectious Diseases, Zagreb, Croatia
2 Faculty of Dental Medicine and Health, J. J. Strossmayer University of Osijek, Croatia
- WS06-2-2 Mirjana Stupnisek, Katarina Pajtak**
University Hospital for Infectious Diseases, Zagreb, Croatia
- WS06-3 Mei-Ling Wu**
Department of Pathology and Laboratory Medicine, Koo Foundation Sun Yat-Sen Cancer Center, Taiwan
- WS06-4 Kumi Nakatani**
National Cancer Center Japan
- WS06-5 Hitomi Kanno**
Kyorin University Hospital

Workshop 7

Room 302

Venue 5

September 24 (Thu.) 15:30-16:30

Urinalysis Case Conference: The Impact of Urine Testing on the Management of Renal and Urological Diseases

Urinalysis

Chair: Takashi Yokoyama (Faculty of Medical Technology, Niigata University of Health and Welfare)

WS07-1 Adenovirus-Infected Cells Distinguishable in Urinary Sediment

Noriko Kawamitsu

Department of Clinical Chemistry, Laboratory Medicine, Kyushu University Hospital

**WS07-2 The Impact of Acute Caffeine Consumption on Routine Urinalysis Parameters in Healthy Adults: A Cross-Sectional Observational Study
Clinical Implications of Caffeine as a Pre-Analytical Confounder in Spot Urine Testing**

Jeffery Chan Tsz Him¹, CHEUNG Ka Tik^{*1,2} ^{*Corresponding author}

1 School of Nursing and Health Sciences, Department of Diagnostic Sciences, Hong Kong Metropolitan University, Hong Kong SAR, China

2 Councils Member, Hong Kong Institute of Medical Laboratory Sciences Ltd., Hong Kong SAR, China

WS07-3 Quantitative Assessment of Macroscopic Haematuria Using Urinary RBC Counts

Tomoji Yuno, Hiaki SATOU

Hokuriku University, Faculty of Health and Medical Sciences

Workshop 8

Room 201

Venue 3

September 25 (Fri.) 9:00-10:00

Global Perspectives in Histopathology: Evolving Roles, Standards, and Expectations for BLS Professionals

Pathology

Chair: Yoshihiko Murata (Pathology, University of Tsukuba Hospital)

WS08-1 Evaluation of Immunofluorescence in Renal Biopsy and the Critical Role of Biomedical Laboratory Scientists

Shoji Takimoto¹, Kyoko Komatsu¹, Ito Hitoshi², Keiko Igarashi¹, Ryota Hanyu¹, Aya Shibata¹

1 Pathological diagnosis unit, Tsuchiura Kyodo General Hospital, Japan

2 Shonan Fujisawa Tokushukai Hospital, Japan

**WS08-2 Implementation of AT192: automated preparation of paraffin-embedded tissue-blocks
An approach towards integrating more automated work processes in the laboratory**

Hoerdum, Jill Moeller

Department of Pathology, Odense University Hospital

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- WS08-3 Rapid Fresh Pathology for Pulmonary Specimens**
Whole-mount Gigapixel Imaging of Fresh Lung Surgical Tissue
 Yao-Chen Tseng¹, Cheng-Hao Li², Hsuan Wang², Chung-Yen Huang³, Jin-Shing Chen⁴,
 Yi-Hua Liao⁵, Chi-Kuang Sun⁶, Min-Shu Hsieh²
 1 Graduate Institute of Photonics and Optoelectronics and Department of Electrical Engineering, National Taiwan University, Taipei, Taiwan
 2 Department of Pathology, National Taiwan University Cancer Center, Taipei, Taiwan
 3 Department and Graduate Institute of Pathology, National Taiwan University Hospital, Taipei, Taiwan
 4 Department of Surgery, National Taiwan University Hospital, Taipei, Taiwan
 5 Department of Dermatology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan
 6 Graduate Institute of Photonics and Optoelectronics, National Taiwan University, Taipei, Taiwan
- WS08-4 The Role of Biomedical Laboratory Scientists in Diagnostic Pathology and Medical Research Supporting Diverse Research Needs through High-Quality and Reproducible Tissue Preparation**
 Minako Suzuki
 Department of Pathology, Keio University School of Medicine, Tokyo, Japan

Workshop 9

Room 301

Venue 4

September 25 (Fri.) 9:00-10:00

Continuing education to maintain professionalism for BLS

Education

Chairs: Nau Ishimine (Department of Laboratory Medicine, Shinshu University Hospital)
Hassan Aziz (The Rochester Institute of Technology (RIT), New York / IFBLS President-Elect)

- WS09-1 Empowering the Next Generation: A Competency-Based Model for Lifelong Learning and Professionalism - Insights from Japan**
Bridging Clinical Laboratory Excellence and Professional Leadership through Competency Development
 Manjiro Yamanaka
 Center for Advanced Cell Therapy, Shinshu University Hospital, Matsumoto, Japan
- WS09-2 Using an Ethics Board Game in Biomedical Science Education**
Experiences and Insights
 Margrete Tennfjord
 Working with Ethics in The Norwegian Association of Engineers and Technologists at The Norwegian Institute of Biomedical Science (NITO BFI)
- WS09-3 Global Harmonization of Medical Laboratory Science Education: Bridging Education, Competencies, and Emerging Career Opportunities -Preparing a Future-Ready Medical Laboratory Workforce for Global Healthcare**
 Kaptan Singh Sehrawat
 Department of Biochemistry, Kalawati Saran Children's Hospital, New Delhi (India)

WS09-4 Comparative Analysis of Cytotechnology Training Systems in East Asia Current Status in Japan, Taiwan, and Korea.

Yukari Nishimura¹, Takeshi Nakamura², Akihiko Kawahara³, Misao Yoneda⁴, Kouichi Ikebata⁵,
Yi-Ju Lee, Jen-Sheng Ko⁶, Shin Min Shik, Hwa-Jeong Ha⁷, Hitoshi Abe⁵

¹ Kitasato University, JAPAN

² Kanagawa Cancer Center

³ Kurume University Hosp.

⁴ Suzuka University of Medical Science

⁵ Cancer Institute Hospital of JFCR

⁶ Taiwan Society of Clinical Cytology, TAIWAN

⁷ The Korean Specialist in Cytology, KOREA

Workshop 10

Room 302

Venue 5

September 25 (Fri.) 9:00-10:00

From Field Experience to Innovation: Rethinking POCT from Disaster Settings to Daily Clinical Practice

Immunology

Chair: Yoshiyuki Kanno (Faculty of Health Science, Kochi Gakuen University)

WS10-1 Disaster Field Hospital Overseas Clinical: Laboratory Activities, The Use of POCT, Challenges Is it possible to conduct clinical laboratory during a disaster? This question is simply silly.

Chitoshi Sato

Okazaki Health Center

WS10-2 POCT related personnel certification systems in Japan Roles of the POC Coordinator and Operator in POCT

Hideo Sakamoto

Department of Medical Technology, Faculty of Health Sciences, Kobe Tokiwa University

September 23 (Wed.) – 24 (Thu.)

Student Forum

Room 201

Venue 3

September 23 (Wed.) 9:00-15:00

Room 304

Venue 7

September 24 (Thu.) 9:00-12:00

Chairs: Yui Namikawa (Toin University of Yokohama)

Louise Spendrup (University of Iceland)

Marie Nora Roald (Member at Large of IFBLS (Norway))

Bridging Knowledge: Shaping the Future of Biomedical Laboratory Science Together

How can the next generation of biomedical laboratory scientists connect research, clinical practice, and global health needs?

By sharing perspectives across countries and cultures, what challenges can we identify, and what skills, values, and innovations will shape the future of healthcare?

Purpose and Concept of the Theme

This theme was developed to encourage meaningful international discussion among students in biomedical laboratory science.

The Student Forum aims to create an opportunity for participants from different countries and educational backgrounds to share their experiences, perspectives, and current challenges in laboratory medicine and healthcare systems.

Biomedical laboratory scientists play an essential role in modern healthcare by supporting diagnosis, treatment, disease prevention, and public health. In recent years, rapid advances in medical technology, globalization, aging populations, emerging infectious diseases, and healthcare disparities have highlighted the growing importance of international collaboration and interdisciplinary knowledge.

The main theme, "Bridging Knowledge," represents the importance of connecting research, clinical practice, education, technology, and global health needs. It also emphasizes collaboration across countries, cultures, and future generations of healthcare professionals.

Through the subtheme, we hope students will:

- identify current and future challenges in biomedical laboratory science,
- discuss differences and similarities among countries and healthcare systems,
- explore the skills and professional values required for the next generation,
- consider how innovation and international cooperation can contribute to better patient care and global healthcare outcomes.

This forum is intended not only as a place for academic discussion, but also as an opportunity to inspire students to become globally minded biomedical laboratory scientists who can contribute to the future of healthcare worldwide.

Day1		Day2	
Time	Program	Time	Program
9:00–9:20	Welcome & Opening Remarks	9:00–9:15	Final Group Preparation
9:20–9:40	Introduction of Forum Theme & Objectives	9:15–10:45	Group Presentations
9:40–10:10	Ice-breaking & Networking Session		<i>Each multicultural group presents discussion outcomes and future perspectives.</i>
	<i>Students are divided into 4 multicultural groups.</i>	10:45–11:00	Break
10:10–10:20	Break	11:00–11:35	Open Discussion & Reflection
10:20–11:00	Counrty Perspective Sharing		Topic: "How Can We Shape the Future of Global Healthcare Together?"
	<i>Students briefly introduce laboratory science education, healthcare systems, and current challenges in their countries within mixed groups.</i>	11:35–11:50	Student Forum Summary & Shared Message
11:00–12:00	Group Discussion Session ①	11:50–12:00	Final Reflection & Farewell
	Topic: "Current Challenges in Biomedical Laboratory Science and Global Healthcare"		
12:00–12:45	Lunch Break		
12:45–13:45	Group Discussion Session ②		
	Topic: "Future Skills, Values, and Innovations for Biomedical Laboratory Scientists"		
13:45–14:50	Group Presentation Preparation		
	<i>Slide preparation and discussion summary in multicultural teams.</i>		
14:50–15:00	Day 1 Wrap-up		

September 25 (Fri.) – 27(Sun.)

International Exhibition Hall 8

Poster Presentation

Social Hours: September 25 (Fri.) 9:00-12:00

Microbiology

- P-1-1** **Comparing Autof MS and VITEK MS for Microbial Identification Routine Clinical Isolates and Stored Isolates**
Sang-Tae LEE, Akira KOIZUMI, Koji UI, Nobukazu UCHIIKE, Yuki NAKANO, Chiaki MACHINO, Eri TANIGUCHI, Masahito ONISHI
Nara Medical University Hospital
- P-1-3** **Integrating Genotypic and Phenotypic Data to Strengthen MRSA Resistance Surveillance Evaluation of Emerging Resistance Patterns in MRSA Bloodstream Infections Using Integrated Diagnostics**
Lemuel Uminga
Shared Health
- P-1-4** **Two Cases of Cryptosporidiosis: Oocysts Initially Detected by Gram Stain**
Yusuke Nomura¹, Yoshimi Higurashi¹, Shinya Yamamoto², Kazuhiko Ikeuchi², Ryu Yoneda¹, Kazuya Okushin¹, Takeya Tsutsumi¹
1 Department of Infection Control and Prevention, The University of Tokyo Hospital, Tokyo, Japan
2 Department of Infectious Diseases, The University of Tokyo Hospital, Tokyo, Japan
- P-1-5** **Vertical Transmission of *Candida albicans* A Microbiological Perspective on Maternal Chorioamnionitis and Early-Onset Neonatal Candidemia**
Ying-Tso Wang¹, Hsiu-Hsien Lin¹, Chih-Yi Yang², Po-Ren Hsueh³
1 Dept. of Laboratory Medicine, China Medical University Hospital
2 Dept. of Obstetrics and Gynecology, China Medical University Hospital
3 Dept. of Laboratory Medicine and Internal Medicine, China Medical University Hospital
- P-1-6** ***Hungatella effluvii* Bacteremia in a Hemodialysis Patient**
Yukitaka Ito¹, Naomi Kaneko Ito², Nobuhiko Joki³
1 Division of Clinical Microbiology Laboratory, Toho University Ohashi Medical Center
2 Department of Clinical Laboratory, Kyorin University Suginami Hospital
3 Department of Nephrology, Toho University Ohashi Medical Center
- P-1-7** **Environmental Detection of *Balamuthia mandrillaris* in Bangladesh Molecular Analysis of Soil and Water Samples to Assess Infection Risk**
Kanakan YAMANOUCHI¹, Karin KAKIHARA¹, Mitsuru CHIBA¹, Takakiyo TSUJIGUCHI², Chowdhury Rafiqul AHSAN³, Tomoh MATSUMIYA¹
1 Hirosaki University Graduate School of Health Sciences
2 Hirosaki University Education Center for Disaster and Radiation Emergency Medicine
3 Department of Microbiology, University of Dhaka

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- P-1-8 Validation of PCR for *H. pylori* and Clarithromycin Resistance Detection Enhancing Precision Therapy by Detecting Heteroresistance and Overcoming Culture Limitations in Clinical Practice**
Tzu-Ying Lee¹, Ya-Lun Chuang², Li-Yuan Cheng², Hsin-Ching Cho², Yung-Li Yang³, Jyh-Ming Liou⁴
1 Department of Laboratory Medicine, National Taiwan University, Cancer Center, Taipei, Taiwan.
2 Dept. of Laboratory Medicine, National Taiwan Univ. Cancer Center, Taipei, Taiwan.
3 Dept. of Laboratory Medicine, National Taiwan Univ. Cancer Center, Taipei, Taiwan; Dept. of Laboratory Medicine, National Taiwan Univ. Hosp., Taipei, Taiwan.
4 Dept. of Medicine, National Taiwan Univ. Cancer Center, Taipei, Taiwan; Dept. of Internal Medicine, National Taiwan Univ. Hosp., Taipei, Taiwan; Dept. of Internal Medicine, College of Medicine, National Taiwan Univ., Taipei, Taiwan.
- P-1-9 Nomman: automated bacterial nomenclature management in the clinical microbiology laboratory**
Herman Tse¹, Garnet Kwan-Yue Choi²
1 Department of Laboratory Medicine, Khoo Teck Puat Hospital, Singapore
2 Department of Pathology, Hong Kong Children's Hospital, Hong Kong, China
- P-1-10 Rapid Bloodstream Pathogen Identification and Resistance Screening via FilmArray BCID**
Ying-Ju Chen¹, Tze-Kiong Er²
1 Division of Laboratory Medicine, Asia University Hospital, Asia University
2 Division of Laboratory Medicine, Asia University Hospital
- P-1-11 Identification of *Taenia* spp. in a Regional Hospital From Proglottids to Morphological Confirmation**
FON-JU CHIEN, WAN-CHEN LIN
Department of Laboratory Medicine, Taiwan Adventist Hospital.
- P-1-12 In vitro activity of macrolides against *Mycobacterium avium* complex Implications for macrolides resistance risk in long-term prophylactic therapy**
Noriyuki ABE, Masaharu BIRUKAWA, Hiroko MATSUTANI, Daiki FUJIMOTO, Gaku MATSUMOTO, Daiki SHIMOMURA, Masashi SHIMADA, Mikio KAMIOKA
Department of Clinical Laboratory Medicine, Tenri Hospital, Tenri, Japan
- P-1-13 Hospital Wastewater Biofilms as Antimicrobial Resistance Reservoirs In situ evidence for prevalence, expression, and spread of carbapenemases**
Yusuke Ota¹, Yoko Nukui², Yoshiaki Gu³, Ryoichi Saito¹
1 Department of Molecular Microbiology and Immunology, Institute of Science Tokyo
2 Department of Infection Control and Laboratory Medicine, Kyoto Prefectural University of Medicine
3 Department of Infectious Diseases, Institute of Science Tokyo
- P-1-14 Pathogenic *Bacillus cereus* Group from Hospital Wastewater in Ghana Genomic and phenotypic evidence of environmental adaptation and virulence traits**
Yusuke Ota¹, Frederick Ofosu Appiah¹, Mitsunori Yoshida², Masato Suzuki³, Yoshihiko Hoshino², Toshihiko Suzuki¹, Anthony Ablordey⁴, Ryoichi Saito¹
1 Institute of Science Tokyo
2 Leprosy Research Center, National Institute of Infectious Diseases
3 Antimicrobial Resistance Research Center, National Institute of Infectious Diseases
4 Noguchi Memorial Institute for Medical Research

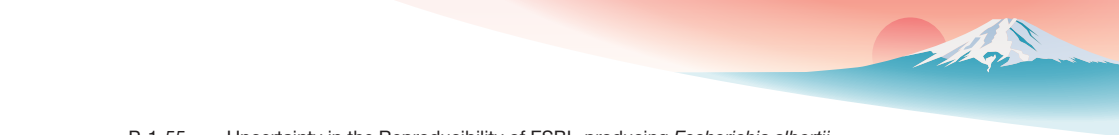
- P-1-15** **Typing and Antibiotic Susceptibility of Carbapenem-Resistant Enterobacteriaceae in Taiwan**
Chin-Fu Lin, Shu-Chun Hung
Tungs' Taichung MetroHarbor Hospital, Taichung, Taiwan
- P-1-16** **Impact of MALDI-TOF MS on Respiratory Mold Species Distribution**
A Comparison of MALDI-TOF MS and Morphological Identification Methods
Chiahua Chou
Departments of Laboratory Medicine, National Taiwan University Hospital
- P-1-17** **Serotypes and Antimicrobial Susceptibility of Group B *Streptococcus* in Pregnancy - A Nationwide Multicenter Study in Japan -**
Daiki TANNO¹, Maki KITAGAWA², Yasuaki TOMII³, Yukari NAKATSUKA⁴, Kohei UECHI⁵, Kazutaka OHASHI⁶, Yukio YAMADERA⁶, Masahiro TOYOKAWA¹
1 School of Health Sciences, Fukushima Medical University
2 Kyokuto Pharmaceutical Industrial Co., Ltd.
3 Aiku Hospital
4 Kitano Hospital
5 University of the Ryukyus Hospital
6 Fukushima Medical University Hospital
- P-1-18** **Multidrug-resistant *Streptococcus agalactiae* strain isolated from ascitic fluid in Japan**
Whole-genome analysis of antimicrobial resistance and virulence determinants
Saki KANEHIRA, Yusuke OTA, Kazunari SONOBE, Naoya ICHIMURA, Koh OKAMOTO, Yoshiaki GU, Koji SASAKI, Ryoichi SAITO
Department of Clinical Laboratory, Institute of Science Tokyo Hospital, Tokyo, Japan
- P-1-19** **Dual-Mode uPAD with for Rapid Semi-Quantitative *Staphylococcus aureus* Detection**
TSAI, YIN-TAI
Department of Medical Laboratory, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, New Taipei City, Taiwan
- P-1-20** **Evaluation of the DP1R for Antimicrobial Susceptibility Testing of *Nocardia***
Hina Uchikawa¹, Akito Nakajo¹, Riko Isisaki², Shiori Sato², Mariho Furukawa², Daiki Tanno¹, Masahiro Toyokawa¹
1 Department of Clinical Laboratory Sciences, Graduate School of Health Sciences, Fukushima Medical University
2 Department of Clinical Laboratory Sciences, School of Health Sciences, Fukushima Medical University
- P-1-21** **Comparison of the Current and the Old CLSI Method**
M24-A3 vs M24-A2 for Antimicrobia Susceptibility Testing of *Nocardia* spp.
Akito Nakajo¹, Riko Isisaki², Shiori Sato², Mariho Furukawa², Hina Uchikawa¹, Daiki TANNO¹, Masahiro TOYOKAWA¹
1 Graduate School of Health Sciences, Fukushima Medical University
2 Fukushima Medical University
- P-1-22** **Integrating FilmArray and Codehop RT-snPCR for Enterovirus Genotyping**
LI, ROU-TZU, TSAI, YIN-TAI
Department of Medical Laboratory, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, New Taipei City, Taiwan

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- P-1-23 Evaluation of Accelerated Antimicrobial Susceptibility Testing Methods for Enterobacterales**
Yuuiki HARA, Yukihiko TERAMOTO, Yuusuke NOMURA, Kotone TAKEI, Yui YOGOU,
Hiroshi SUGINO
Japanese Red Cross Aichi Medical Center Nagoya Daini Hospital
- P-1-24 Rapid Detection Epidemiological Shift of Carbapenemase-Producing Organisms at a medical center in Northern Taiwan.**
CHANG, JU-CHUN, TSAI, YIN-TAI
Department of Medical Laboratory, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, New Taipei City, Taiwan
- P-1-25 Unmasking the Staphylococcus aureus Complex in Clinical Workflow**
LIU, PO-YU, TSAI, YIN-TAI, KUNG, LIN
Department of Medical Laboratory, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, New Taipei City, Taiwan
- P-1-26 Rapid Molecular Testing and Traditional Culture: A Complementary Approach Enhancing Clinical Microbiological Surveillance and Diagnostic Synergy**
Kuo Shu Fang, Lee Chih Yi
Department of Laboratory Medicine, Chiayi Chang Gung Memorial Hospital, Chiayi, Taiwan
- P-1-27 Conventional Candida Identification Matches MALDI-TOF MS**
Toya MAEDA¹, Kazumi TAKEHANA¹, Sanae YAMADA¹, Shiori OIKAWA¹, Yuna KOGA¹,
Minori ENAMI¹, Kazunori MIYAKE², Taro SIGA¹
¹ Clinical Laboratory Center, Cancer Institute Hospital of JFCR
² Department of Clinical Laboratory Technology, Juntendo University
- P-1-28 Concordance Between Ampicillin/sulbactam and Amoxicillin/clavulanate in *Enterobacterales***
Sayo ADACHI¹, Miyu SATO¹, Soma KAJI¹, Yuka TSUKINO¹, Karin FUJISHA²,
Tatsuya NAKAMURA²
¹ Graduate School of Health Sciences, Kyoto Tachibana Univ.
² Faculty of Health Sciences, Kyoto Tachibana Univ.
- P-1-29 Comparison of laboratory-developed Cytomegalovirus PCR against Cobas 5800 Cytomegalovirus assay**
LiatHui Loo¹, Stephanie Yeo², HanYang Soong¹, Matthias Maiwald¹
¹ Microbiology Laboratory, Dept. of Pathology and Laboratory Medicine, KK Women's and Children's Hosp., Singapore.
² School of Applied Science, Temasek Polytechnic, Singapore.
- P-1-30 *floR* as a Marker of Meat-Derived Resistant *E. coli***
Whole-Genome Sequencing Analysis of Broad-Spectrum Cephalosporin-Resistant Isolates from Retail Chicken Meat
Yuya HASUNUMA¹, Shota MIKAMI²
¹ Dept. Med. Technol., Toin Univ. Yokohama
² Grad. Sch. Eng., Toin Univ. Yokohama

- P-1-31** **Comparing Immunochromatography and Nucleic Acid Amplification Tests for *Clostridioides difficile***
Immunochromatography and Nucleic Acid Amplification Tests Evaluated Against Toxigenic Culture
 Kiri Hashimoto, Kyoko Hisada, Akihiro Shimada, Shuhei Kidoguchi, Yukio Hida, Tadashi Toyama
 Department of Clinical Laboratory, University of Fukui Hospital
- P-1-32** **Efficacy of a Resistant-Starch-Encapsulated Probiotics Supplement on Gastrointestinal Function**
A 4-Week Longitudinal User Experience Study
 Yuhan Yeh
 National Taiwan university hospital Yun-Lin branch, Department of laboratory medicine
- P-1-33** **ATR-FTIR for Rapid Microbial Identification**
A Cost-Effective and Reagent-Free Alternative to MALDI-TOF MS
 Chi-Yen Wong¹, Li-Min Chang¹, Wen-Ling Yen¹, Ming-Hsueh Tsai²
 1 Department of Clinical Pathology, Cathay General Hospital
 2 Department of Infection Control, Cathay General Hospital
- P-1-34** **Rapid Molecular Diagnosis of CMV-induced Frosted Branch Angiitis**
Off-label Multiplex PCR Panel for Aqueous Humor in an Immunocompromised Patient
 Ya-Lun Chuang¹, Tzu-Ying Lee², Hsin-Ching Cho², Yung-Li Yang³, Bo-I Kuo⁴
 1 Department of Laboratory Medicine, National Taiwan University, Cancer Center, Taipei, Taiwan.
 2 Dept. of Laboratory Medicine, National Taiwan Univ. Cancer Center, Taipei, Taiwan.
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- P-1-35** **Analysis of Misidentification and Carbapenem Resistance in Clinical *Serratia* Isolates**
YUNSHAN LU
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- P-1-36** **Performance Comparison of Panther Fusion and LabTurbo AIO**
Evaluation of Diagnostic Accuracy and Efficiency in Respiratory Virus Testing
 Sui-Yuan Chang¹, Pei-Cheng Lu², Meng-Hsuan Lin², Jian-Jhih Chen², Tai-Ling Chao², Tai-Fen Lee³
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 2 National Taiwan University
 3 National Taiwan University Hospital
- P-1-37** **Five-Year Blood Culture Trends at Eiju General Hospital**
Aiming to Improve the Specific Detection of Pathogenic Microorganisms
 Narumi NOZAKI, Maki OKAMOTO, Noriaki HARADA, Yoshihisa ITOH
 Eiju General Hospital
- P-1-38** **Galactomannan vs. PCR in *Aspergillus* Diagnosis**
ZHANG, YU-ZHEN, TSAI, YIN-TAI, KUNG, LIN
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- P-1-39 Exploring serum IgG responses to oral commensal bacteria across individuals**
 Norihito Morimoto¹, Yoshie Nishida², Mikio Kamioka³
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 2 Clinical Laboratory, Kochi Medical School Hospital, Kochi University
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- P-1-40 Rapid and Reliable
Emergency Implementation of Molecular Testing**
 Tzya Huang, HuiJu Chang, ChiungTzu Hsiao, PoRen Hsueh
 Dept. of Laboratory Medicine, CMU Hosp.
- P-1-41 Bacterial Safety of Street-Vended Ready-to-Eat Fruits and KAP of Vendors
A Correlational Study on Ready-to-Eat Watermelons and Pineapples in Manila**
 Iliana Cashmere Cruz, Gracielle Danette Delos Angeles, A2Z Cada, Denise Kristel Cruz,
 Elaine Marie Catoy, Lourminette Dela Cruz, Clarenz Sarit Concepcion, Canellie Canlas-Ocsona
 Department of Medical Technology, Faculty of Pharmacy, University of Santo Tomas
- P-1-42 Evaluation of AI-Assisted IR Biotyper for Hypervirulent *Klebsiella pneumoniae***
 Miyuki MIZOGUCHI¹, Yoshimi Higurashi¹, Azumi Fujinaga², Akifumi Mabuchi², Kazuya Okushin¹,
 Takeya Tsutsumi¹
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- P-1-43 Imported Brucellosis in a Regional Hospital:
Biosafety and Infection Control Considerations**
 Wan-Chen Lin¹, Li-Yu Chou¹, Su-Ping Tu²
 1 Department of Laboratory Medicine, Taiwan Adventist Hospital.
 2 Department of Infection Control, Taiwan Adventist Hospital.
- P-1-44 ITS rDNA Polymorphisms in *Trichophyton verrucosum* Complex Strains**
 Boujelben Salwa, Nahed Khemakhem, Houaida Trabelsi, Sourour Neji, Hayet Sellami,
 Fattouma Makni, Ali Ayadi
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- P-1-45 Discrepancy between visual cleanliness and microbiological contamination of ultrasound
probes
a cross-sectional point prevalence study across clinical departments**
 Yusuke Nakade, Mika Mori, Hajime Kanamori
 Kanazawa University Hospital Department of Clinical Laboratory
- P-1-46 A Study on Workload Units in Clinical Virology Laboratories, Taiwan**
 Chuan-Liang Kao¹, Sui-Yuan Ho², Cheng-Hsien Tsai³, Cherng-Lih Perng⁴, Yu-Ying Chiu⁵,
 Hsuan Yang⁶, Ting-Chun Hung⁷, Huey-Pin Tsai⁸
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 7 CMH
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- P-1-47 The 16S rRNA gene nanopore sequencing
Evaluation of background contamination and sequencing depth**
Joanna Malgorzata Bivand¹, Marit Gjerde Tellevik², Rebecca Breistein², Oyvind Kommedal²
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- P-1-48 Reconsidering Cerebrospinal Fluid Specimen Storage Practices in Japan**
Masahiro KOBAYASHI, Yuna SASAKI, Hikaru ENDOU, Masaharu TSUNODA, Mizuki HASHIMOTO, Minako AIHARA, Masayuki NORIFUNE, Mari USHIKUBO
Department of Clinical Laboratory, National Hospital Organization Tokyo Medical Center
- P-1-49 Genomic Analysis of Resistant *K. pneumoniae* in Taiwan Retail Food
Evaluating Prevalence, Antimicrobial Resistance, and Genomic Characteristics within a One Health Framework**
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- P-1-50 Quantification strategy affects *Fusobacterium* abundance in colorectal cancer**
Hege Smith Tunsjo¹, Thulasika Senthakumaran², Nuha Tarik Al Shuha¹, Sara Riad Alabo Husay¹, Tasnim Bilal Daaboul¹, Solin Molla Nasan¹, Gro Gundersen², Vahid Bemanian²
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2 Akershus University Hospital
- P-1-51 Microbiological and Clinical Features of *Propionimicrobium lymphophilum* Infection: Literature Review
Microbiological Findings and Clinical Features of *Propionimicrobium lymphophilum* Infection: A Literature Review**
Akito DOKE¹, Saya IWAME¹, Yoshie NISHIDA¹, Airi MIMOTO¹, Yuuka SHIMIZU¹, Risa MATSUMOTO¹, Shinji TOKUHIRO¹, Shinpei Fujimoto²
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- P-1-52 Swab-Based Saliva Collection for Reliable EBV PCR Detection
Optimization of Swab-Based Saliva Sampling for Accurate EBV Molecular Diagnosis**
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- P-1-53 Laboratory Morphological Identification of *Ancylostoma ceylanicum* from Colonoscopy Specimen
Buccal Capsule Microscopic Evaluation for Definitive Zoonotic Hookworm Identification: A Case Report**
Mei lan Hsieh, Chia chun Tsai, Yen h chen Hsieh
National Taiwan University Hospital Yunlin Branch Department of laboratory medicine Taiwan
- P-1-54 Evaluation of Workflow Efficiency in CMV
Evaluation of Workflow Efficiency in CMV Quantification Using the Fully Automated System**
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- P-1-55 Uncertainty in the Reproducibility of ESBL-producing *Escherichia albertii***
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Hiroyuki NOZAKA¹
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- P-1-57 FTIR-Based Identification of High-Risk ST316-*bla*_{NDM} Carbapenem-Resistant *Enterobacter hormaechei***
Wei Yu Hsu¹, Yu Tsung Huang²
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² Department of Internal Medicine, National Taiwan University Hospital,
- P-1-58 Mucorales Isolation Enabled by Antibacterial Suppression in Rhino-Orbital Mucormycosis**
Misaki NAKAMURA, Masakazu SASAKI, Hinako MURAKAMI, Sadako YOSHIZAWA
Department of Clinical Laboratory, Toho University Omori Medical Center
- P-1-59 Multiplex PCR vs. Culture in Pneumonia Diagnosis
Performance and Clinical Impact on Lower Respiratory Pathogen Detection**
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- P-1-60 Automated Blood Culture Impact
Workflow Optimization and Processing TAT**
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- P-1-61 Establishment of a Murine Sepsis Model in Acute Radiation Syndrome
Analysis of Intestinal Barrier Dysfunction After High-Dose Irradiation**
Karin KAKIHARA, Kanako YAMANOUCHI¹, Mitsuru CHIBA¹, Takakiyo TSUJIGUCHI²,
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- P-1-62 Ceftazidime-Avibactam Susceptibility and Synergy Testing for Carbapenem resistant isolates
Ceftazidime-Avibactam and Aztreonam synergy testing in Carbapenem resistant
Enterobacterales and *Pseudomonas aeruginosa***
Keshav Dev
All India Institute of Medical Sciences, New Delhi
- P-1-63 Potential Food-Poisoning Risk of Toxin-Producing *Bacillus cereus* in Common Foods**
Ruka SHIMADA¹, Yusuke HASHIMOTO², Miyuki FUJIOKA²
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- P-1-64 Genetic analysis of *Enterococcus faecalis* thymidine-dependent small-colony variants**
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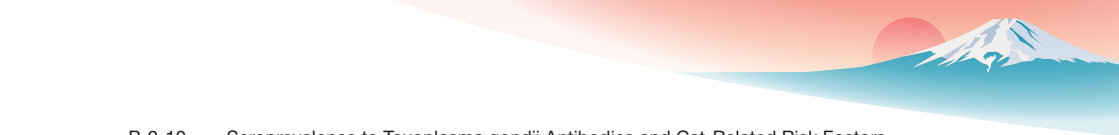
- P-1-65** **Detection of Cefiderocol-Resistant *Escherichia coli* in Wastewater.**
Genomic analysis reveals international relatedness of *bla*_{NDM-5}-producing isolates.
 Kana Ichinose¹, Liansheng Yu², Wataru Hayashi², Shizuo Kayama², Yo Sugawara²,
 Motoyuki Suga², Miyo Murai¹, Kozue Kishii¹
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 2 Antimicrobial Resistance Research Centre, National Institute of Infectious Diseases, Japan Institute for Health Security
- P-1-66** **Evaluating Diverse Specimens for Newborn Congenital Cytomegalovirus Screening : Diagnostic Performance of Saliva, Urine, and Oral Mucosa by qPCR**
 LIN MEIHSIU, Tsung-Zu Wu
 Department of Pediatrics, Taipei City Hospital, Branch for Women and Children
- P-1-67** **Pulmonary *Mycobacteroides hainanense* infection: The First Case Report from Japan**
 Yuka SHIMIZU¹, Akito DOKE¹, Airi MIMOTO¹, Risa MATSUMOTO¹, Fumika KATO¹,
 Yoshie NISHIDA¹, Shinji TOKUHIRO¹, Shimpei FUJIMOTO²
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 2 Clinical Laboratory Department, Kochi Medical School Hospital, Nankoku, Japan
- P-1-68** **Diagnostic Value of *Francisella tularensis* in a Low-Incidence Setting**
 Lucie Murphy
 Vestfold Hosp.
- P-1-69** **Fungal Skull Base Osteomyelitis**
A Three-Case Series of *Aspergillus* and *Candida* Infections Highlighting Diagnostic Challenges
 Bhaskar Rana, Gagandeep Singh, Hitesh Verma, Angitha K P, Monika Sinha, Immaculata Xess
 All India Institute of Medical Sciences, New Delhi, India
- P-1-70** **HIV Notifiable Co-infections: Trends and Characteristics**
A Laboratory-Based Retrospective Study
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- P-1-71** **The Association of Soil Factors on the Prevalence of Soil-Borne Helminths in Organic and Conventional Farms in Selected Areas of Batangas, Philippines**
 Janesse Margaret A. Tong, Baby Mariela Kareel L. Miranda, John Kevin Glyn G. Nicdao, Cheska Paula A. Pelayo, Alexandra Gayle E Valerio, Carl Angelo L. Yadan, Vivian G. Villegas, Ruby G. Meim
 University of Santo Tomas
- P-1-72** **Clinical Impact of Universal Sputum MTBC DNA Screening**
Dual Benefits of Integrating Routine Molecular Diagnostics into Initial Sputum Workups
 YU YA-YEN, Hung Yi-Chun, Sun Yi-Hui, Chang Wei-Chen, Huang Yu-Syuan, Chang Han-Chung
 Changhua Hospital, Ministry of Health and Welfare

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- P-1-73 Isolation and Antibiotic Susceptibility of *Klebsiella oxytoca* and *Acinetobacter junii* from Well Waters in Selected Barangays of Lubao, Pampanga**
Ma. Daniela Venice Taroy, Cecilia Collette Craw, Matt Daniel Jubinal, Leanne Sarmiento, Sophia Gayle Turla
Department of Medical Technology, Faculty of Pharmacy, University of Santo Tomas
- P-1-74 Evaluation of a Multi-step Diagnostic Algorithm for *Clostridioides difficile* Infection Comparison of GDH and Toxin A/B Assays Using RT-PCR and Culture**
Shu-Yuan Ho, Hsiu-Ni Huang, Yun-Shan Lu, Wei-Yu Hsu, Chun-Li Lee
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- P-1-75 NGS-Based Gut Microbiota Modulation by Green Banana Oat Beverage**
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- P-1-76 Investigation the Clinical Performance of PCR for Detecting *Mycoplasma pneumoniae***
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- P-1-77 Enhancing Blood Culture Specimen Quality
A Regional Hospital QI Project**
Pai-Ling Chang¹, Hui-Fang Wu¹, Chien-Hung Yeh¹, Hsiao-Fang Chang¹, Wan-Ling Hsu¹, Li-Ting Wu¹, Yi-Tsen Lin¹, Tsui-Ping Liu²
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- P-1-78 The analyzation of *Helicobacter pylori* Stool Antigen Screening Outcome
Analyzing the Outcome of *Helicobacter pylori* Antigen Screening at a Medical Center in Taiwan**
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- P-1-79 Genomic Characterization of Carbapenemase-Producing *Klebsiella pneumoniae* ST218 Delineating Variants in Putative Phage Resistance-Associated Surface Receptor, Capsule, and CRISPR-Cas Loci**
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4 Southwestern University Pinma, School of Medicine
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- P-1-80 Does Cardiovascular Health Begin in the Gut?**
The Impact of Dysbiosis and Intestinal Barrier Impairment on the Development of Cardiovascular Diseases
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 2 University Hospital for Infectious Diseases, Zagreb, Croatia

Immunology

- P-2-1 Kappa Free Light-Chain Index Predicts Long-Term Outcomes in Multiple Sclerosis**
 Milosavljevic Dejan, Dejan Milosavljevic
 University of Applied Sciences
- P-2-2 MLS-ERAS Framework Detects Gastrointestinal-Onset SLE Microperforation**
Novel Three-Stage Protocol Overcomes Normal-CRP Pitfalls in High-Risk Case
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- P-2-3 Unravelling rAAV-Serotype-Specific Cytokine Profiles in HEK293 cells**
 Andrea Haid¹, Ronald Leitner², Nadine Ballicas¹, Magdalena Deschberger², Johannes Lengler¹, Juan A. Hernandez Bort¹
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 2 University of Applied Sciences Campus Vienna, Dept. of Bioprocess Engineering
- P-2-4 Resolving Immunoglobulin Interference Reveals HLA DQ6 Antibodies in Transplant Rejection**
Unmasking Clinically Actionable Donor-Specific Antibodies in Late-Onset Liver Transplant Rejection
 Yu-Chieh Hsu, Yi-Shun Gao, Mei-Hua Lin
 National Taiwan University Hospital
- P-2-5 Distinct Senescence States Converge on Sustained PD-L1 in HCC**
Temporal uncoupling of PD-L1 mRNA and protein during senescence
 Arjaree Jobdeedamrong, Sugeun Yang
 Inha University Hospital
- P-2-6 Immunogenic efficacy of mRNA-based influenza vaccines in older adults**
 Hassan Albargy
 Shaqra University
- P-2-7 Citrullinated Fibrinogen Suppresses Neutrophil Proinflammatory Functions.**
 Hiroto Kawagoe, Ryuto Oshita, Ayaka Kodama, Mana Tsujishita, Satoshi Fujimura, Tomoki Ichikawa, Yumiko Higuchi
 Dept. of Health and Medical Sciences, Graduate School of Medicine, Shinshu Univ., Matsumoto, Japan.
- P-2-9 Efforts and Challenges in HBV Reactivation Prevention**
 Mai UETA, Hikari OONISHI, Nozomi FUJITA, Takayuki NAKAO
 Dept. of Medical Technology, Tokushima Uni. Hosp.

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- P-2-10 Seroprevalence to Toxoplasma gondii Antibodies and Cat-Related Risk Factors Among Women of Childbearing Age in Sampaloc, Manila**
Hannah Lois Maronilla, Mark Raymund Nava, Mitzie Rainne Lunas, Mikaela Marieh Minano, Sofia Therese Ferrer, Maria Dominique Beltran
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- P-2-11 Immune Cell Recruitment and Activation Factors as PRP Biomarkers**
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- P-2-12 ANA Immunofluorescence Patterns in Primary Biliary Cholangitis Clinical Significance in AMA-Positive and AMA-Negative Cohorts**
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- P-2-13 Reverse Algorithm in Syphilis Testing Evaluation in Routine Clinical Practice**
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- P-2-14 DM**
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- P-2-15 Clarifying Causes of Optic Neuropathy via Laboratory Data Case Reports**
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- P-2-16 2025 Allergen Retrospective Analysis, Southern Taiwan Lab Statistical analysis of allergen positivity rates and age distribution**
SHIH-CHIEH,LO
IPB Lab.
- P-2-17 Anti-rituximab assay formats and analytical interference Comparison of three different in-house bridging immunoassays in rheumatological serum samples**
Aage Winje Brustad¹, Miriam Simers Mehus², Selma Lyche-Campos³, Ingrid Jysum⁴, Johanna Elin Gehin², Nils Bolstad³
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2 Norwegian Univ. of Science and Technology
3 Dept. of Medical Biochemistry, Oslo University Hosp.
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- P-2-18 Diagnostic Utility of Pleural Fluid Mesothelin-Related Peptides in Asbestos-Related Diseases**
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2 Department of Pathology, Japan Organization of Occupational Health and Safety, Wakayama Rosai Hospital
3 Center for Asbestos-Related Diseases, Japan Organization of Occupational Health and Safety, Wakayama Rosai Hospital
- P-2-19 Oral mucositis signals acute but not chronic immune complications**
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- P-2-20 Keratinocyte Injury and Cell Death Pathways in Long COVID Alopecia**
Riho Horaguchi¹, Satomi Nagaya¹, Chika Ueda¹, Hideharu Kimura², Kota Murakami³, Hisanori Horiuchi³, Tetsumei Urano⁴, Eriko Morishita⁵
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3 Tohoku Univ.
4 Shizuoka Graduate Univ. Public Health
5 Kanazawa Univ. Hosp. Hematology
- P-2-21 Reducing False-Positives in Fourth-Generation IGRA Screening**
Balancing Laboratory Quality and Cost Through Retest Criteria Optimization
YU YA-YEN, Hung Yi Chun, Chang Wei-Jean
Changhua Hospital, Ministry of Health and Welfare
- P-2-22 Evaluation of HLA antibodies against recombinant and native HLA**
A HLA proficiency testing survey
Wei-Te Tu, Lei-Fa Chang
Asia-Med Medical Reference Lab, Taipei, Taiwan
- P-2-23 Modulation of NLRP3 Inflammasome-related Cytokines by Fatty Acids**
Differential Modulation of NLRP3 Inflammasome-related Cytokines by Palmitic Acid and Docosahexaenoic Acid
Shiao-ping Huang, Yu-ting Huang, Chien-hui Lin, Min-yun Wu, Chen-yu Zhang, Wan-rou Huang
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- P-2-24 POLKESMAS COVID-19 ANTIGEN: Innovative Diagnostic Kit Based Local Indonesian Isolates**
Yaumil Fachni Tandjungbulu¹, Rudy Hartono², Alfin Resya Virgiawan¹, Khin Saw Aye Myint³, Frilisata Aisyah Yudhaputri³, Haerani⁴, Mulyanto⁵, Muhammad Yusri⁶
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4 Dept. of Environmental Health, Makassar Health Polytechnic, Indonesia
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6 Dr. Wahidin Sudirohusodo Central General Hosp., Indonesia
- P-2-25 Targeting the NLRP3 Inflammasome for Inflammation Control**
Potassium Channels as Targets for Inhibiting NLRP3 Inflammasome Activation
Chien-hui Lin, Yu-ting Huang, Shiao-ping Huang
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**P-2-26 Laboratory Method Verification of Urit IA-200 Chemiluminescence Immunoassay Analyser
Laboratory Method Verification of Urit IA-200 Analyser at Regional Hospital Bamenda,
Cameroon**

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Hematology

**P-3-1 Vit B12 deficiency among AML patients in Riyadh, retrospective study
Vit B12 deficiency among AML patients in Riyadh, Saudi Arabia; a retrospective study**

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Majmaah University

**P-3-2 Assessing the association between neutrophil-to-lymphocyte ratio and bacteremia
A Case Study of a Teaching Hospital in Hsinchu, Taiwan**

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P-3-3 Epigenetic and MYC Signaling Modulation by Vault RNA1-1 in AML

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P-3-4 Smart System Reduces Peak-Hour Blood Draw Waiting Time

CHING CHAO LIANG, Chin Chao Liang, Yi Pen Chin, Mu Ching Hsueh, Hsu Han Chien,
Chin Yi Chien

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P-3-5 Comparison of Two Cases of T-PLL with Contrasting Clinical Courses

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P-3-6 Andrographolide Induces Ferroptosis and Enhances Bortezomib in Plasma Cell Neoplasms

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**P-3-7 AI-Driven Morphological Recognition of Myeloma Cells
Enhancing Efficiency and Accuracy in Bone Marrow Smear Morphological Screening**

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Kazufumi YAMAGATA³

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- P-3-8 Preventing Oversight of Non-Specific Reactions in FDP and D-dimer Utility of Alert Settings for Detecting and Establishing Practical Identification Procedures**
Daiki SHIMOMURA, Aya KOUNO, Nukumi TSUJII, Tokio TAKATA, Masashi SHIMADA
Department of Laboratory Medicine, Tenri Hospital
- P-3-9 Evaluation of Internal Quality Control Strategy in Peripheral Blood Morphology Establishing Objective Criteria for leukocyte differentials**
Yuka Aizawa, Yumi Komuro, Keiko Hashimoto, Norihiko Moriyama, Maresuke Takahashi, Eiju Miyamoto, Asami Naito
Tsukuba i-Laboratory LLP
- P-3-10 Rapid Histiocytic Sarcoma with Hemophagocytosis and Hematoidin Crystals Case**
Mei-Yu Su¹, Tsung-Chih Che¹, Chun-Yang Chao¹, Cheng-Han Wu²
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- P-3-11 Alternative Erythrocyte Sedimentation Rate Systems After Tube Discontinuation**
CHIH-YUAN KAO, I-Chi Huang, Chung-Yi Wang, Shu-Yu Peng
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- P-3-12 Lymphoma involving cerebrospinal fluid confirmed by flow cytometry**
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- P-3-13 Dependent Platelet Clumping
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- P-3-14 Using erythrocyte sedimentation rate as a novel application of biomarker**
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2 Department of Cell Therapy and Regenerative Medicine Center, Taichung Veterans General Hospital, Taiwan.
3 Department of Nuclear Medicine, Taichung Veterans General Hospital, Taiwan.
- P-3-15 Development and evaluation of an automated CLEIA measurement for sCLEC-2**
Makyo Ueda¹, Masahide Kawamura², Shuhei Matsushita², Tomoyuki Sasaki³, Hiroaki Furuyama², Tsutomu Hashimoto⁴, Toshiaki Shirai³, Katsue Suzuki-Inoue³
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2 Life Science BU, PHC Corp.
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4 Office of Medical Solution Promotion, LSI Medience Corp.
- P-3-16 Impact of permeabilization reagents on CKAP4 detection in myeloma cells**
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2 Dept. of Hematology, Endocrinology and Metabolism, Tokushima Uni.

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- P-3-17** **Evaluation of a Lupus Anticoagulant Sensitive Activated Partial Thromboplastin Reagent Reduced Lot to Lot Variation Using Controlled Synthetic Phospholipid Composition**
Hiroto Yamakawa, Narumi Koide, Mohammad Qatamish, Takahiko Bandou, Kohei Akatsuchi, Tasuku Sakayori
Sysmex Corporation, Kobe, Hyogo, Japan
- P-3-18** **p53 Expression by IHC and Cytogenetic-Morphological Findings in MDS**
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- P-3-19** **Iron Intake and Iron Status in Women of Manila, Philippines**
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University of the Philippines Manila
- P-3-20** **PFCT Reference Interval Establishment and Hemostatic Risks in Trauma Patients**
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Hsiu Tsu Chiang¹, Wei-Chang Tseng²
1 Yuan's General Hospital
2 Fooyin University
- P-3-21** **Alternative D-dimer Cut-offs Corresponding to FDP Thresholds in DIC**
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Ryota MASUTANI¹, Kazuma YAMAKAWA², Takeshi WADA³, Yutaka UMEMURA⁴, Kohji OKAMOTO⁵, Meri KUBOTA¹, Emiko TANAKA¹, Akira ASAI¹
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4 Dept. of Emergency Medicine, Osaka University Hosp.
5 Dept. of Surgery, Kitakyushu City Yahata Hosp.
- P-3-22** **Soluble C-Type Lectin-Like Receptor 2 After Transcatheter Aortic Valve Implantation**
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Katsuyuki UMEBASHI, Aito ISOGUCHI, Yukichi ANDOU
Department of Clinical Laboratory, Kagoshima Medical Center, National Hospital Organization
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Hiroyuki NOZAKA¹, Shuu OGASAWARA², Hiroki UENO³, Kosuke KAMATA⁴, Kazufumi YAMAGATA³
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2 Hirosaki University Hospital
3 Hirosaki University Graduate School of Health Sciences
4 Hirosaki University Graduate School of Medicine

- P-3-24** **Verification of Immature Granulocyte and Myeloblast Detection Performance Examination of Operational Workflows Using an Automated Digital Cell Imaging Analyzer(DI-60)**
 Youhei KATO^U, Mariko ISHIDA, Yoshihiko UENO, Yukari TSUBOI, Honomi ANDOU, Aki OKA, Ryouusuke KIKUCHI
 Division of Clinical Laboratory, Gifu University Hospital, Gifu, Japan
- P-3-25** **Flow Cytometry for Erythrodermic Cutaneous T-Cell Lymphoma Diagnosis**
 Jui-Yun Chen, Wan-Chung Hu
 Taipei Tzu Chi Hopspital, Buddhist Tzu Chi Medical Foundation
- P-3-26** **Diagnostic Value of HYPO-He% and MicroR% in Microcytic Anemia Differentiation Utilizing Parameter Ratios to Distinguish Iron Deficiency from Thalassemia and Chronic Disease Anemia**
 Minghui Chen, Xianlang Fang, Biochia Show, Chinfu Lin
 Tungs' Taichung MetroHarbor Hospital
- P-3-27** **Extracellular HSP70 Drives Platelet Hyperactivation Under Stress-Associated Thrombotic Disease Conditions**
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 Hideaki SUZUKI¹, Yuuko KOSUGE², Akemi IMOTO³, Yoshifumi KUROSAKI³, Naohito ISHII³, Yukio YAMADERA⁴, Shinobu KITAZUME¹, Hiroki SHIMURA⁵
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 4 Fukushima Medical Univ. Hospital
 5 School of Medicine, Fukushima Medical Univ.
- P-3-28** **Leukapheresis Variables in CAR-T Cell Therapy**
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 Taichung Veterans General Hospital
- P-3-29** **Automated LTA for Antiplatelet Monitoring: Comparison and Throughput Versus Conventional Semi-Automated Aggregometer in Method Performance and Workflow Efficiency**
 Tasuku Sakayori¹, Hongkyung Kim², Misook Yang³, Byung Keuk Kim⁴, Hyo Suk Nam⁵, Keisuke Kitano¹, Saeam Shin³, Jaewoo Song³
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 3 Department of Laboratory Medicine, Yonsei University College of Medicine, Seoul, Korea
 4 Department of Internal Medicine, Yonsei University College of Medicine, Seoul, Korea
 5 Department of Neurology, Yonsei University College of Medicine, Seoul, Korea

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- P-3-30 A Case Report of Disseminated Carcinomatosis of Bone Marrow DCBM due to carcinoma of unknown primary diagnosed by bone marrow aspiration**
Chiho Noso¹, Mari Kobayashi, Kenji Kobayashi, Nobuhiro Shimizu, Mari Kunihiro, Tadashi Ooyama³, Kunihiro Omonishi⁴
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4 Department of Diagnostic Pathology
- P-3-31 Comparison of Clauss and PT-derived for measuring fibrinogen in hyperbilirubinemia**
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- P-3-32 CBC-Derived Inflammatory Biomarkers in Diabetic Kidney Disease**
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2 Institute of Biomedical Sciences, National Chung Hsing University, Taichung, Taiwan
- P-3-33 Rotational Thromboelastometry in the Perioperative Management of Cardiac Surgery Hemostatic Assessment in Cardiac Surgery**
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hospital infanta elena
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Hui-Ling Chen, Li-Fong Hong
Chi Mei Medical Center, Liouying
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Chen Jui-Ya¹, Tsai Pei-Fang¹, Chen Chia- Lin²
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2 Department of Laboratory Medicine, Madou Branch, Sin-lau Hospital, Tainan, Taiwan
- P-3-36 Seeing Before Sequencing: Early AML Treatment Morphology and flow cytometry as rapid surrogates for AML decision-making**
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Chi Mei Medical Center, Liouying
- P-3-37 Evaluating the Platelet Reactivity of Coronary Artery Disease Filipino Patients Undergoing Aspirin Therapy Using VerifyNow: A Novel One-Shot Case Study**
Mary Christie Tan¹, Levi Anna Judea Buccahan¹, Julie Mae Calahi¹, Juliana Dagaas¹, Reyzelle Rodicol¹
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- P-3-38** **Reclassification of Gamma W208L and S313I as Hypodysfibrinogenemia**
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 Akari Tsubata¹, Satoshi Yajima¹, Takahiro Kaido², Shinpei Arai³
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 3 Department of Clinical Laboratory Sciences, School of Health Sciences, Shinshu University, Matsumoto, Japan
- P-3-39** **Nonspecific APTT Prolongation in Cross-Mixing Tests**
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 Shota TSURUZONO, Ryota MASUTANI, Shuichi ASANO, Amu OKADA, Emiko TANAKA, Meri KUBOTA, Akira ASAI
 Osaka Medical and Pharmaceutical University Hospital
- P-3-40** **CWA parameters as surrogate markers for hypercoagulability in warfarin-treated patients**
 Masato Matsuda¹, Taichi YAMADA², Kazuei Ogawa¹
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 2 Division of Clinical Laboratory, Health Co-op. Watari Hospital
- P-3-41** **Early T-Cell Precursor Acute Lymphoblastic Leukemia with DNMT3A Mutation**
 Keisuke SUGIMOTO¹, Naoka KUNISAWA¹, Akari TAKEUCHI¹, Tadashi ASAGIRI¹, Shiori MORITA¹, Shinji TOKUHIRO¹, Shimpei FUJIMOTO², Shohei YOSHIDA³
 1 Clinical Laboratory Division, Medical Technology Department, Kochi Medical School Hospital
 2 Clinical Laboratory Department, Kochi Medical School Hospital
 3 Department of Hematology, Kochi Medical School Hospital
- P-3-42** **Can normalization save Automated Thrombin Generation**
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 Loïc Letertre¹, Loïc Letertre¹, Thorarinn Gudjonsson², Jon Bergthorsson¹, Brynja Gudmundsdottir¹, Pall Onundarson¹
 1 Core laboratory Landspítali
 2 University of Iceland
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 Kelvin Lacsamana
 University of Santo Tomas- Faculty of Pharmacy
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 Aito ISOGUCHI, Katsuyuki UMEBASHI, Yukichi ANDOU
 Department of Clinical Laboratory, Kagoshima Medical Center, National Hospital Organization, Japan
- P-3-45** **Analysis of FXI Dimerization and Secretion Defects in *F11* Variants**
 Yuki Kubo¹, Satomi Nagaya¹, Makiko Meguro-Horike¹, Shin-Ichi Horike¹, Rizumu Kakizawa¹, Momoka Hayase¹, Yurika Yamaguchi¹, Eriko Morishita²
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- P-3-46 Atypical Lymphocytes Following Chimeric Antigen Receptor T-Cell Therapy Morphological Findings and Temporal Kinetics Between Two CD19-Targeted Products in Patients Receiving CAR-T Therapy**
Azusa YAMAZAKI, Yuki KODA, Naoya ICHIMURA, Koji SASAKI, Ayako NOGAMI
Clinical Laboratory, Institute of Science Tokyo Hospital, Tokyo, Japan
- P-3-47 Significance of TRBC1/TRBC2 expressions in the diagnosis of T-cell neoplasms Multicolor flow cytometric analysis**
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- P-3-48 In-House Flow Cytometry Improves Diagnostic Accuracy and Turnaround Time**
Moe TANAKA, Yousuke KANAZAWA, Kenshirou TAMAI, Yumi FUJITA, Yukihiro KAI, Aritoshi MIYAZAKI, Eiju MIYAMOTO, Asami NAITOU
- P-3-49 Effects of Storage Time and Fixation on Neutrophil Antigens**
Manato MIYAZAKI¹, Ririka ARAI², Ayuko TAKAHASHI³, Yukio KAJITA³, Yuriko HAYASHI³
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2 Gunma Children's Medical Center
3 Faculty of Science and Technology, Gunma Paz University
- P-3-50 Mechanisms of Platelet Activation by *Helicobacter pylori* Lpp20 Potential Involvement of TXA₂- and ADP-Mediated Amplification Pathways**
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International University of Health and Welfare
- P-3-51 Delivering Amyloid Precursor Protein 770 to Platelets via Extracellular Vesicles Secretion of Hypo-O-glycosylated Forms Through a Non-Golgi Dependent Pathway**
Kensei KODAMA¹, Hideaki SUZUKI¹, Atsushi KUNO², Yoshimi HAGA³, Koji UEDA³, Shinobu KITAZUME¹
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2 Cellular and Molecular Biotechnology Research Institute, National Institute of Advanced Industrial Science and Technology
3 Cancer Precision Medicine Center, Japanese Foundation for Cancer Research
- P-3-52 Clinical Utility of Ret-He as a Functional Predictor Targeting Erythrocyte Microcytosis in Maintenance Hemodialysis Patients**
Tzu-Min Kan, Yi-Chang Tsai, Shun-Wen Hsiao
Department of Medical Laboratory, Nantou Hospital, Ministry of Health and Welfare, Nantou 540234, Taiwan
- P-3-53 Hematological analysis of captive beluga whales in Westman Islands, Iceland**
Gudbjorg Jonsdottir, Hanna Kristrun Jonsdottir
Institute for Experimental Pathology at Keldur, University of Iceland
- P-3-54 Using Principal Components Analysis and Conditional Inference Tree to Explore CBC Indicators as Predictive Models for Influenza**
Sheng Chien Tsai, Li-Ping Tseng, Hsin-Chieh Lin, Po-Chih Chen
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- P-3-55 Gut Microbiota Profiling in sCAEBV**
 Kanoko Chihara¹, Yusuke Ogata², Arisa Mori¹, Mayumi Yoshimori³, Wataru Suda², Ayako Arai⁴,
 Miwako Nishio¹
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 3 Institute of Science Tokyo hosp.
 4 Div. Hematology and Oncology, St. Marianna Univ.
- P-3-56 Molecular Characterization of the Fibrinogen A-alpha R491C Variant Functional and His-Tagged Secretion Analyses of the A-alpha R491C Variant**
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 2 Department of Laboratory Medicine, Shinshu University Hospital, Matsumoto, Japan
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- P-3-57 Iron Deficiency Anemia Screening using Reticulocyte Hemoglobin Cellular Content (RHCC) A Real-Time Monitoring Tool of Iron Status in a Previously Malaria-Endemic Area**
 Vince Lloyd Aquino¹, Alessandra Louise De Vera², Nu Raine Alysa Ibrahim²,
 Juan Antonio Padilla², Joselle Christi Villafior², Mark Raymund Nava²
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- P-3-58 Multi-parameter Measurement Using Acridine Orange Fluorescence Staining. Clinical Utility of Platelet Count and Immature Platelet Fraction Analysis.**
 Akira SUZUKI¹, Yukinobu KAJIMOTO¹, Takahiro Shioyama², Ryouko NAKAYAMA², Akane Suzuki²,
 Yuki JISHAGE², Keita YAMASHITA¹
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 2 IVD Technology Development Division, Technology Development Operations, Nihon Kohden Corporation,
- P-3-59 Novel *SERPINC1* c.204dup Frameshift Variant Associated with Inherited Antithrombin Deficiency**
 Maya Muroda¹, Satomi Nagaya¹, Ibuki Yasuda¹, Yuki Kubo¹, Momoka Hayase¹,
 Makiko Meguro-Horike¹, Shin-Ichi Horike¹, Eriko Morishita²
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 2 Kanazawa Univ. Hosp. Hematology
- P-3-60 LIS Auto-Verification: Impact on Coagulation Workflow and Reliability Enhancing PT and aPTT Reporting Efficiency**
 Yun-Jen Chen, Liang-Sheng Huang, Chien-Yuan Lan, Meng-Ting Wu, Pei-Ning Lee
 Department of Laboratory Medicine, Keelung Hospital, Ministry of Health and Welfare
- P-3-61 Management of Internal Quality Control in complete Blood Count**
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 3 Laboratory of Hematology, Farhat Hached Hospital, Sousse
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- P-3-62** **Reference Intervals for Immature Platelet Fraction in Healthy Tunisians Including Advanced Platelet Indices**
 MAHJOUR SONIA, Mayar SRAIRI, Aya CHAKROUN, Emna Nabli, Yosr Gnouma, Hela Baccouche, Sonia Mahjoub
 RABTA HOSPITAL
- P-3-63** **Method comparison of iMOST-L and Sysmex XN-9100**
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 Malin Myhre Olsson, Rebekka Haukali
 Oslo University Hospital, Department of Medical Biochemistry
- P-3-64** **Establishing CBC Reference Range Ages 20-29 Filipinos in Metro Manila**
 ColleenMartinez Yabut, DianaraDafang Invierno, MariaNgo Rellosa, JulianaGalsim Perez, MarkGalvez Nava
 Department of Medical of Technology, Faculty of Pharmacy, University of Santo Tomas
- P-3-65** **Diagnostic Performance of Immature Platelet Fraction for Differentiating Thrombocytopenia Mechanisms**
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 MAHJOUR SONIA, SRAIRI Mayar, Chakroun Aya, Nabli Emna, GNOUMA Yosr, Baccouche Hela, Mahjoub Sonia
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- P-3-66** **Characteristics of morphometric parameters of platelets during myeloid neoplasms**
 MAHJOUR SONIA, Aya Chakroun, Yosr Gnouma,, Mayar Srairi, Nabli Emna, Jannett Eddhib, Sonia Mahjoub
 RABTA HOSPITAL
- P-3-67** **Bioinspired Nanoliposome Technology for Stabilization of Whole Blood Hematology Control**
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 Ally Kafesa¹, Cep Wahyu¹, Farhan Baehaki¹, Aziz Ansori Wahid¹, Gresi Yulia Gantini²
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- P-3-68** **Explainable Machine Learning Score for Thrombocytopenia Mechanism Classification**
 MAHJOUR SONIA, SRAIRI Mayar, CHAKROUN Aya, NABLI Emna, GNOUMA Yosr, BACCOUCHE Hela, MAHJOUR Sonia
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- P-3-69** **Interlaboratory trial of the complete blood count**
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 3 Laboratory of Hematology, La Rabta Hospital, Tunis

Clinical Chemistry

- P-4-2** **Artificial Intelligence for Clinical Chemistry in Low-Resource Laboratory Settings. Implementing Edge AI for Real-Time Diagnostic Support in Connectivity-Challenged Environments**
Ahmed Salih¹, Hanem Haron²
1 Sudan Lab AI
2 Deep Solve medtech
- P-4-3** **Long-term Stability of the Kappa Free Light Chain Index**
Michaela Hassler, Michaela Hassler
University Of Applied Sciences
- P-4-4** **The Hidden Danger After Fever Subsides
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Shih,Ting-Shuo, Hsu,Hsiao-Chih, Hou,Chia-Yi
Department of Clinical Pathology, Chi Mei Hospital, Liouying
- P-4-5** **MLS-Led ERAS Framework in Epilepsy-Induced Rhabdomyolysis
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- P-4-6** **Impact of Taiwan's 2026 CKD-EPI Transition on Clinical Reimbursement
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Yang Tsai-Lian, Huang Hsiu-Yun, Shen Chin-Hsun
Department of Laboratory Medicine, En Chu Kong Hospital
- P-4-7** **Clinical Use of Beta-D-Glucan Testing in Rheumatology Outpatients
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Junko KATO, Sang-Tae LEE, Akitoshi MATSUSHITA, Naoko YAMAGUCHI, Masahito ONISHI, Yuji TANAKA
Nara Medical University Hospital
- P-4-8** **Monitoring Metrological Traceability of Creatinine for Accurate Clinical Decision Making
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Chih-Hsiung Kao, Ping-tzu, Su, Cyuan-Rong, Chen
Laboratory Medicine, St. Martin De Porres Hospital, Taiwan
- P-4-9** **Mind Map Guided Jaundice Analysis in Pancreatic Cancer
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3 Dept. of Clinic Lab., Yuan's General Hosp., Kaohsiung, Taiwan

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- P-4-10** **Dynamic Changes of Sepsis Biomarkers in Polymorbid Cellulitis
A Collaborative Case Report by a Nurse Specialist and a Medical Laboratory Scientist**
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- P-4-11** **Laboratory-Based Risk Stratification for Complicated Appendicitis
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Daisuke Miura, Rino Hiwatahi
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- P-4-12** **Stability of lactate dehydrogenase activity during storage
-Relationship with its Subunit Structure-**
Marina Takayama¹, Tsuyoshi Numano¹, Makoto Matsushita²
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- P-4-13** **Pseudo-Low Uric Acid
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Ming-Yuan Po, Ren-Yu Huang, Shih-chen Ou, Yi-Ting Huang, Yi-Hung Sung, Po-Chih Chen
Department of Laboratory Medicine¹, Kaohsiung Medical University Hospital
- P-4-14** **Correlation Between Plasma Catecholamines and Glycemic Fluctuations via Exercise
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Himari Kojima¹, Yoshitaka YAMAGUCHI¹, Tomoka KIUCHI¹, Ayaka KIDOKORO¹,
Yoshihiko ENOMOTO², Tetsuya KOMENE¹, Junko NOMOTO¹, Hiroshi SUZUKI³
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3 Japan Healthcare University
- P-4-15** **Association of CK-MB Inter-Reagent Variability with M/B Subunit Reactivity**
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- P-4-16** **Method Bias in CEA Measurement
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- P-4-17** **%CDT and FIB-4 in ALD Diagnosis and Fibrosis Staging
Complementary Roles of %CDT and FIB-4 in Clinical Assessment**
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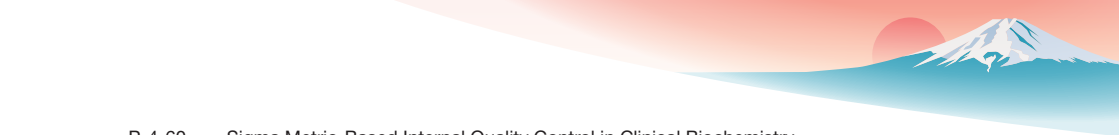
- P-4-18 Evaluation of Alternative Centrifugation Settings for Routine Chemistry Samples**
Glaiza Elaine de la Pena Zamora, Ma Rudelle Escanillan Sedayon, July Tay, Ping Ying Heng, Kieren Lenin Cheng, Jun Guan Tan, Moh Sim Wong
Khoo Teck Puat Hospital, Singapore
- P-4-19 Evaluation of Surfactants added to Automated Clinical Chemistry Reagents**
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- P-4-20 Short-chain fatty acids bias ion-selective electrode chloride measurements Evidence from a method comparison with LC-MS/MS**
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- P-4-21 Combined AFP, PIVKA-II, and GPC3 for Improved HCC Diagnosis.**
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- P-4-22 Novel ELISA Measuring sPTPRZ Using Glycan Standard for Glioma Diagnosis**
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- P-4-23 Investigation of Methotrexate-Induced Interference in Urinary NAG Measurement**
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3 Division of Pharmacy, Ehime University Hospital
- P-4-24 Glycan analysis of apoE, a risk factor for Alzheimer's disease.**
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3 Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology
- P-4-25 Cardiac Biomarker Dynamics in Fabry Disease Myocardial Involvement Clinical Implications of Biochemical Indicators for Early Detection of Cardiac Injury**
Yi-Ting Huang, Ming-Yuan Po, Ren-Yu Huang, shih-chen Ou, Yi-Hung Sung, Po-Chih Chen
Department of Laboratory Medicine, Kaohsiung Medical University Hospital

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- P-4-26 Hypercalcemia Differentiation in Lung Cancer with Concurrent Hyperparathyroidism**
Biochemical Markers and Imaging Integration for Accurate Differential Diagnosis
 shih-chen Ou, Ming-Yuan Po, Yi-Ting Huang, Ren-Yu Huang, Yi-Hung Sung, Po-Chih Chen
 Department of Laboratory Medicine, Kaohsiung Medical University Hospital
- P-4-27 Severe Hypocalcemia After Thyroidectomy**
A Time-Series Laboratory Analysis of Postoperative Hypoparathyroidism
 Ren-Yu Huang, Ming-Yuan Po, shih-chen Ou, Yi-Ting Huang, Yi-Hung Sung, Po-Chih Chen
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- P-4-28 Fasting Glucose and BMI in the Hong Kong Population**
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 Daniel Chuen-Chu Tam, Daphne Cheng Dan-Kwei, John Kam-On Chung
 Life, Biomedical and Medical Laboratory Sciences, HKUSPACE
- P-4-29 BMI and Uric Acid Levels in the Hong Kong Population**
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 Daniel Chuen-Chu Tam, Cloria Sze-Ching Tin, John Kam-On Chung
 Life, Biomedical and Medical Laboratory Sciences, HKUSPACE
- P-4-30 Analytical Evaluation of Roche Tina-quant Hemoglobin A1c Generation 4 Assay**
 Glaiza Elaine de la Pena Zamora, July Tay, Ma. Rudelle Escanillan Sedayon, Ping Ying Heng, Moh Sim Wong
 Khoo Teck Puat Hospital, Singapore
- P-4-31 Implementing Artificial Intelligence in Clinical Chemistry**
Concise Review and Recommendations
 Richard Pang, Chi Lim Kwok
 Hong Kong Institute of Medical Laboratory Sciences (HKIMLS)
- P-4-32 Serum Uric Acid and Fatty Liver Severity**
A hospital-based cross-sectional study in Taiwan
 Huiya Hung¹, Chunchi Yang²
 1 Dept. of Clinical Pathology, Chimei Medical Center, Tainan, Taiwan
 2 Hepato-Gastroenterology, Chimei Medical Center, Tainan, Taiwan
- P-4-33 Evaluating the performance of Apexbio Glucosure POC**
Apexbio Glucosure POC
 HONG TING-FANG, Chang Fu-An², Shen Chin-Hsun²
 2 En-Chu-Kong Hospital, Taiwan
- P-4-34 Exploring Multiple Myeloma from a Laboratory Medicine Perspective**
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 Liang-Wei Lin, Tzu-Yu Huang, Wan-Chen Lin, Teng-Kai Tzeng
 Department of Laboratory Medicine, Taiwan Adventist Hospital

- P-4-35 RISK FACTORS FOR ABNORMAL BIRTH WEIGHT, A RETROSPECTIVE STUDY**
RISK FACTORS FOR ABNORMAL BIRTH WEIGHT, A RETROSPECTIVE STUDY
 Wina Ivy Ofori Boadu¹, Wina Ivy Ofori Boadu¹, KWAME OFORI BOADU²,
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 3 UNIVERSITY OF HEALTH AND ALLIED SCIENCES, HO, GHANA
 4 UNIVERSITY OF ENERGY AND NATURAL RESOURCES, SUNYANI, GHANA
- P-4-36 Clinical, Biochemical, and Socioeconomic Profiles Correlating with Polycystic Ovary Syndrome**
 Francesca Jan M. Valenton, Josef Tristan D. Leviste, Agatha Marie P. Sicangco,
 Gianna Louise R. Tolentino, Francesca Jan M. Valenton, Julia Anne S. Villegas
 University of Santo Tomas
- P-4-37 Unmasking the Pseudo-Stroke**
Laboratory Management of Aconitine-Induced Refractory Arrhythmia and Multi-Organ Dysfunction
 Shih,Ting-Shuo, Hsiao-Chih Hsu, Chia-Yi Hou
 Department of Clinical Pathology, Chi Mei Hospital, Liouying
- P-4-38 The Future of Clinical Chemistry Global Innovations and Healthcare Impact**
 Salma Walha, Salma Walha
 clinical chemistry
- P-4-39 Diabetes DM**
 Chen jia wen¹, Wen-Tung Hsu²
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 2 Taichung Armed Force General Hospital
- P-4-40 When Low Humidity Disrupts Automated Pipetting, A Real Life Example**
 Ruth-Anne Larsen, Ruth-Anne Larsen
 Dep. of Clinical Pharmacology, St.Olav Univ. Hosp., Trondheim, Norway
- P-4-41 Development of a Highly Linear AST and ALT Activity Assay**
 Naru SEGAWA¹, Ayuko TAKAHASHI², Makoto MATSUSHITA²
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 2 Faculty of Medical Science and Technology, Gunma Paz University
- P-4-42 Revisiting the Mediterranean Paradox: Correlation between sun exposure and VitD**
Comparative study between populations in the Mediterranean area and Arctic regions
 Fabio Como¹, Fabio Como², Erica Parravicini², Valentina Grasso³, Petros Papalexis⁴
 1 Landspítali Hospital Reykjavik - Iceland
 2 Landspítali University Hospital, Reykjavik, Iceland
 3 Ospedale Mauriziano, Torino, Italy
 4 University of West Attica, Athens, Greece

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- P-4-43 Biochemical Signature of Academic Stress**
Comparative Assessment of Serum Cortisol and Perceived Academic Stress among Selected Medical Technology Students
 John Patrick Lim, Szaina Xamantha Lim, Christian John Matias, Marygold Samantha Manalo
 University of Santo Tomas
- P-4-44 Association Between Fatty Liver Index and Renal Function Indices**
 Akari YOMON¹, Eisaku HOKAZONO¹, Jun'ichi SATANI², Takeshi UCHIUMI¹
 1 Kyushu University
 2 Kyushu Central Hospital
- P-4-45 Palmitic Acid-Induced Acinar-to-Ductal Metaplasia in Pancreatic Steatosis**
Marine Natural Products as Candidate Inhibitors of Pancreatic Steatosis Progression
 Hui-Wen Chou¹, Wan-Chi Tsai², Chih-Lin Huang³
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 2 Department of Medical Laboratory Science and Biotechnology, Kaohsiung Medical University Taiwan
 3 Department of Laboratory Medicine, Kaohsiung Medical University Hospital
- P-4-46 Development of an ELISA Assay for Apolipoprotein C-II Transfer Rate**
Toward Assessment of Individual TG Metabolism
 Misaki TANAKA¹, Akira YOSHIMOTO¹, Azusa YAMAZAKI², Chengman SUN¹, Ryunosuke OHKAWA¹
 1 Clinical Bioanalysis and Molecular Biology, Graduate School of Medical and Dental Sciences, Institute of Science Tokyo, Tokyo, Japan
 2 Clinical Laboratory, Institute of Science Tokyo Hospital, Tokyo, Japan
- P-4-47 Exosomal Markers Associated with Lipoprotein(a) and Cardiovascular Risk**
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 2 Department of Medical Laboratory Science and Biotechnology, Fooyin University
- P-4-48 Critical Low Glucose Workflow Optimization**
Enhancing Pseudo-Hypoglycemia Identification and Laboratory Reporting Efficiency Through Quality Improvement Strategies
 Wen-Sheng Yu, Yi-Hsing Yeh
 Department of Laboratory Medicine, Kaohsiung Municipal Fong Shan Hospital - Under the management of Chang Gung Medical Foundation, Kaohsiung, Taiwan
- P-4-49 Urine Microalbumin QC Optimization**
Improving Analytical Stability Through Open-Vial Calibrator Management
 Wen-Sheng Yu, Yi-Hsing Yeh
 Department of Laboratory Medicine, Kaohsiung Municipal Fong Shan Hospital - Under the management of Chang Gung Medical Foundation, Kaohsiung, Taiwan
- P-4-50 Integrated NADH Chelate Assay Using a NADH Oxidase**
 Kota Arima¹, Eisaku Hokazono², Mikako Yagi², Takeshi Uchiumi²
 1 Graduate School of Medical Sciences, Kyushu University, Department of Health Sciences
 2 Division of Medical Sciences and Technology, Department of Health Sciences, Faculty of Medical Sciences, Kyushu University

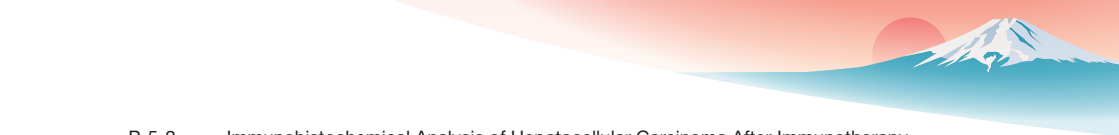
- P-4-51 Measurement method for NAD⁺ and NADH as an aging biomarker**
Mako Kawasaki¹, Mikako Yagi², Eisaku HOKAZONO, Takeshi Uchiumi²
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2 Division of Medical Sciences and Technology, Department of Health Sciences, Graduate School of Medicine, Kyushu University, Japan
- P-4-52 Electronic Display Board the Biochemical Analyzer Track System**
chuyin ko
- P-4-53 Real-World Verification of CYFRA 21-1 Reference Intervals: Pandemic Partitioning? A 10-Year, 7-Hospital Longitudinal Real-World Evidence Study of 10,046 Asian Health Examinees**
Chiao-Ni Wen¹, Chung-Guei Huang¹, Chia-Ni Lin¹, Hsiao-Chen Ning²
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2 Administration Center of Medical Laboratory Medicine, Chang Gung Medical Foundation, Taoyuan, Taiwan
- P-4-54 FT4 and FT3 measurement using Equilibrium-Dialysis-LC-MS/MS as a complementary method**
Yilu Ye, Guro Strom Clementz, Alexander Bauer Westbye, Oskar Kelp, Sandra Rinne Dahl, Per Medboe Thorsby, Finn Erik Aas
Oslo University Hospital, Hormone Laboratory, Aker Hospital
- P-4-55 Thyroid Dysfunction in Lithium-Treated Bipolar Patients**
Khalfa Ibrahim¹, Zarglayoun Nesrine², Abaza Hajer²
1 Clinical Biology Laboratory ,Trauma and Major Burns Center, Ben Arous, Tunisia
2 Clinical Biology Laboratory, Razi Hospital, Manouba Tunisia
- P-4-56 Serum Beta-2 Microglobulin as a Biomarker of Severe Psychoses**
Khalfa Ibrahim¹, Zarglayoun Nesrine², Abaza Hajer²
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2 Clinical Biology Laboratory, Razi Hospital, Manouba Tunisia
- P-4-57 Association Between VPA and Hyperammonemia: A Retrospective Cross-Sectional Study Evaluation of Serum Valproic Acid Concentration, Ammonia Level, Age, and Sex**
HUANG,HUI-CHING, TzuHsun Chen, ChungChang Lin, ChihChiang Chiu
Department of Laboratory Medicine,Taipei City Hospital, Songde Branch
- P-4-58 Evaluation of True versus suspected pseudohyponatremia in tertiary care setting**
Lab based pilot study on pseudohyponatremia reassessment and diagnostic corelation adjusted for patient setting
Vidyaavathi P L
Jawaharlal Institute Of Postgraduate Medical Education And Research
- P-4-59 Risk-Based Management of Pre-Analytical Non-Conformities In Biochemistry Laboratory According to ISO 15189:2022**
Bouaziz Hajer
biochemistry laboratory sahloul university hospital sousse tunisia

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- P-4-60** **Sigma Metric-Based Internal Quality Control in Clinical Biochemistry**
 Bochra Moussa, BOCHRA MOUSSA, R. Hassine, A. Ben Abdelaziz, N. Ben Rejeb, A. Omezzine
 Department of Clinical Biochemistry, Sahloul University Hospital, Sousse, Tunisia
- P-4-61** **Comparative Analysis of Semaglutide, Liraglutide, and Tirzepatide Cardiometabolic Outcomes**
 Maha Al-Asmakh, Hiba Bawadi, Zain Zaki Zakaria, Mamoun Nofal, Haya Abuhijleh
 Qatar University
- P-4-62** **Association of hs-CRP and Lipid Profile among Filipino Tobacco Users
 Evaluation of Biomarkers for Cardiovascular Disease Risk Among Smokers and Heated Tobacco Users**
 Ma. Sherizze Claudette Cala, Ashley Nicole Brijuega¹, Russel Anne Clerigo¹, Harold Christopher Comia¹, Jasmine Patricia Cu¹, Xandro Alexi Nieto, MoS, PhD¹, Jay P. Jazul, MS Phar, PhD¹, Ron Christian Sison, MLS(ASCP), MPH¹
¹ University of Santo Tomas
- P-4-63** **Urinary Vanin-1 Improves a Multimarker Diagnostic Model for CKD Association With Albuminuria and Enhanced Diagnostic Performance**
 Yuhuan Yeh¹, Janway Chen²
¹ National Taiwan University Hospital Yunlin Branch; National Chung Hsing University
² National Chung Hsing University
- P-4-64** **Verification of venous blood collection tubes with new separating gel**
 Torje Lien Hansen, Gunhild Garmo Hov, Lena Loeblad
 Department of Biomedical Chemistry, St. Olavs University Hospital
- P-4-65** **Coronary Heart Disease Risk Analysis Utilizing Serum Cystatin C
 A Quantitative Assessment of Filipino Compliant Type 2 Diabetes Mellitus with Chronic Kidney Disease**
 Francaise Karelle Reyes, Sasha Camille Alejo, Arissa Iyah Bautista, Joachim Mikhail Marquez, Marco Alejandro Vega, Ron Christian Sison, Canellie Canlas-Ocsona, Xandro Alexi Nieto
 University of Santo Tomas
- P-4-66** **Quality Improvement of Quantitative FIT Screening in Taiwan
 A Nationwide Total Quality Management Program for Colorectal Cancer**
 Hsiao-Chen Ning¹, Chiao-Ni Wen², Kuo-Chien Tsao¹
¹ Administration Center of Medical Laboratory Medicine, Chang Gung Medical Foundation, Taoyuan, Taiwan
² Department of Laboratory Medicine, Chang Gung Memorial Hospital, Linkou Branch, Taoyuan, Taiwan
- P-4-67** **Are ovarian reserve hormonal markers always concordant?**
 Afef BAHLOUS¹, Malek Ben Hadj Salah², Asma Krir², Lamia Abdellaoui², Mehdi Mrad²
¹ Pasteur institute- Tunis
² Pasteur institute Tunis
- P-4-68** **Risks assessment in medical laboratories using Failure Effects Analysis**
 Afef BAHLOUS¹, Asma Krir², Lamia Abdellaoui², Safa kalai², Mehdi Mrad²
¹ Pasteur institute- Tunis
² Pasteur Institute of Tunis

- P-4-69** **Validated UPLC-MS/MS Assay for Monitoring ADHD Medications in Pediatric Urine**
Ching-Mei Chen, Liang-Jen Wang, Huey-Ling You, Wan-Ting Huang
- P-4-70** **Kidney Injury Molecule-1 Outperforms Conventional Markers for Early Diabetic Nephropathy**
Yaumil Fachni Tandjungbulu¹, Alfin Resya Virgiawan¹, Muhammad Yusri², Ruly³
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2 Dr. Wahidin Sudirohusodo Central General Hospital, Makassar, South Sulawesi, Indonesia
3 Dadi Regional Specialized Hospital, South Sulawesi Province, South Sulawesi, Indonesia
- P-4-71** **Vitamin D status and thyroid profile in tunisian population**
Afef BAHLOUS¹, Asma Krir², Malek Ben Hadj Salah², Lamia Abdellaoui²
1 Pasteur institute- Tunis
2 Pasteur institute Tunis
- P-4-72** **Preanalytical Practices Among Healthcare Professionals**
Knowledge gaps and training needs in blood sampling
Chaïma Boughzela¹, Selem Bouassida², Sirine Boughzela³, Maroua Bouzaabia⁴, Aïcha Erguez⁴, Saoussen Mrad¹, Bassem Charfeddine¹, Salima Ferchichi³
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- P-4-73** **Reproducibility of Routine Chemistry Assays**
Internal quality control data from a Tunisian university hospital
Chaïma Boughzela¹, Selem Bouassida², Yosr Jouini³, Sirine Boughzela³, Maroua Bouzaabia⁴, Aïcha Erguez⁴, Jihene Ben Abdallah¹, Salima Ferchichi³
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- P-4-74** **Reference Intervals for Lipid Profile in Healthy Adults**
Reference Intervals for Lipid Profile in Healthy Adults in Cameroon
Victor N. Fondoh¹, Loveline L. Niba², Mary B. Atanga³
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2 Faculty of Health Sciences, The University of Bamenda, Cameroon
3 Department of Nursing and Midwifery, Faculty of Health Sciences, The University of Bamenda, Bamili, Cameroon

Pathology

- P-5-1** **Emerin, SUN1, and SUN2 Expression Decreased in Poorly-differentiated Lung Adenocarcinoma**
Sayaka Kobayashi¹, Rio Shibamura¹, Rio Kaneko¹, Suzuho Suda¹, Hayato Ikota², Hideaki Yokoo³, Masanao Saio¹
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3 Department of Human Pathology, Gunma Univ. Graduate School of Medicine, Japan

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- P-5-2 Immunohistochemical Analysis of Hepatocellular Carcinoma After Immunotherapy
Spatial Distribution of Cytotoxic T Cells and Tumor Associated Macrophages**
Cheng-Hao Li, Yen-Lin Huang, Min-Shu Hsieh
Department of Pathology, National Taiwan University Cancer Center
- P-5-3 Digital Control of Formalin Bottles
Barcode-based management using SafeCheck in pathology**
Yousuke TAJIKA¹, Megumi ORITA¹, Akiyo Kanatani², Katsuhiko Isshiki², Kenichi Hirabayashi³
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2 Sansho MEC Co., Ltd., Toyama, Japan
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- P-5-4 A Novel Formalin Container for Safer Pathology Practice
Development and refinement of exposure source control during tissue fixation**
Yousuke TAJIKA¹, Megumi ORITA¹, Akiyo Kanatani², Katsuhiko Isshiki², Kenichi Hirabayashi³
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- P-5-5 Insights into Tenascin-C in MAPK inhibitor resistance in melanoma**
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4 Dept. of Dermatology, Medical Univ. of Vienna; Austria.
- P-5-6 Transforming Surgical Pathology Grossing: Digital Frameworks to AI Integration
Leveraging System Success Models for Scalable Training and Future AI Adoption**
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2 Dept. of Pathology, National Cheng Kung Univ. Hosp., Tainan, Taiwan
- P-5-7 Assessment of Fungal Staining with Chromic Acid-Free Methenamine Silver**
Chih-Ching Yeh, Jia-Bin Liao, Yi-Jing Li, Qian-Tong Ke, Tzu-Fang Kuo, Jang-Shian Liang
Department of Pathology and Laboratory Medicine, Kaohsiung Veterans General Hospital, Taiwan
- P-5-8 Comparative Evaluation of Different Methods of Double Immunohistochemical Staining**
Chih-Ching Yeh, Jia-Bin Liao, Yi-Jing Li, Tzu-Fang Kuo, Jang-Shian Liang
Department of Pathology and Laboratory Medicine, Kaohsiung Veterans General Hospital, Taiwan
- P-5-9 A Study of Rapid Silver Staining Method**
Naoko Imagawa¹, Maki Kanzawa¹, Ryuuko Tsukamoto¹, Yukiya Hirata¹, Yuusuke Suma¹, Satoshi Inohara¹, Miho Yoshida¹, Tomoo Itoh¹
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- P-5-10 Consistent Membranous Staining of Pancreatic Islets in IGF2BP3/IMP3
Immunohistochemistry:
A Clone Specific and Unexpected Immunoreactivity with Potential Diagnostic Pitfalls**
Masahiro HIRATA, Kai MIZOGUCHI, Masakazu FUJIMOTO, Hironori HAGA
Department of Diagnostic Pathology, Kyoto University Hospital

- P-5-11** **Digital Pathology Implementation in Remote Canadian Regions**
A summary of unique opportunities and challenges
 Christine Bruce, Raj Saniasy
 University Health Network
- P-5-12** ***Frozen section aids ocular sebaceous gland carcinoma diagnosis & management.***
 Neelima Sharma, Seema Sen, Seema Kashyap, Niamul Kabir, Dinesh Kr. Baitha, Neelam Pushker
 All India Institute of Medical Sciences, New Delhi, India
- P-5-13** **Clinicopathological significance of Nectin-4 in urothelial carcinoma**
Nectin-4 expression is associated with favorable clinicopathological features
 Go Kobayashi¹, Yohei Sekino², Testutaro Hayashi², Kazuhiro Sentani³, Yuichiro Sato¹
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 2 Department of Urology, Hiroshima University
 3 Department of Molecular Pathology, Hiroshima University
- P-5-14** **Evaluation of reaction endpoint in periodic acid methenamine silver staining**
 Yuta FUJITA¹, Hiroshi NAKAMURA¹, Hikari KATAYAMA¹, Yuko TSUBOUCHI¹, Sayo NAKAMURA¹,
 Katsunari KINA², Yoshitaka YAMAGUCHI³, Akane HASHIZUME¹
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 3 Medical Technology and Sciences, IUHW
- P-5-15** **HEQUALYZER: What do you see when you look at H&E?**
Empowering Biomedical Laboratory Scientists through an integrated colorimetric and artefact framework
 Goncalo Borrecho¹, Ines Ferreira², Pedro Salgueiro³, Fabio Lampreia⁴, Raquel Cunha⁴, Luis Rato³,
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 2 CAPGS, Coimbra
 3 VISTA Lab, Centro Algoritmi, Univ. of Evora
 4 CoLAB TRIALS Association, Evora
- P-5-16** **Analysis of CEACAM6 expression in intrahepatic cholangiocarcinoma**
Analysis of CEACAM6 expression in relation to the progression of intrahepatic cholangiocarcinoma
 Kaede HATAKEYAMA¹, Sawa NAKAI¹, Rie SAKATA², Erina IWABUCHI¹, Yurie SOEJIMA¹
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 2 School of Health Care Sciences, Faculty of Medicine, Institute of Science Tokyo, Tokyo, Japan
- P-5-17** **Implementation of MacroPATH MX SK C-Scan**
Image-Based Macroscopic Biopsy Documentation
 Joergensen, Charlotte Salskov
 Department of Pathology, Odense University Hospital

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- P-5-18 Rapid Fresh Pathology for Breast Core Biopsies**
A section-free workflow preserving tissue for downstream testing
 Cheng-Hao Li¹, Yao-Chen Tseng², Hsuan Wang³, Li-Wei Tsai⁴, Chung-Yen Huang⁵,
 Yi-Hsuan Lee⁵, Chi-Kuang Sun², Min-Shu Hsieh³
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 4 Department of Surgery, National Taiwan University Cancer center, Taipei, Taiwan
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- P-5-19 ARIA-Like Mouse Model Based on Cerebral Amyloid Angiopathy**
Crossing endothelial APP770 mice with a conventional AD model
 Takuru KOBAYASHI¹, Takuro INOUE¹, Toshie SAKAGAMI¹, Kazuto TAKAHASHI¹,
 Hideaki SUZUKI¹, Akihiro SHINDO², Hidehiro ISHIKAWA², Shinobu KITAZUME¹
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- P-5-20 Rapid immunohistochemistry using an alternating current electric field**
for intraoperative frozen-section diagnosis
 Satoshi IKEDA, Kikuo IKEGAMI, Nobuyuki FUKUDOME
 Chiba Institute of Science Dept. of Health and Medical Sciences. Faculty of Risk and Crisis Management
- P-5-21 Evaluation of lead-induced ROS *in vitro* and *in vivo***
Implication for molecular mechanisms of heavy metal toxicity and antioxidant intervention
authors affiliation
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- P-5-22 Anti-Lung Cancer Activities of Curcuminoids via Multi-Target Mechanisms**
Insights from Molecular Docking, Cell Culture, and *C. elegans* Models
 Zi Ling Zhao¹, Der An Tsao¹, Chung Yi Chen², Su Ting Huang²
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- P-5-23 Curcumin Enhances Doxorubicin Efficacy in Human Hepatocellular Carcinoma Cells**
Synergistic Inhibition of Proliferation, Clonogenicity, and Migration
 Pei-Jia Chen, Der-An Tsao, Hsuan-Yun Wang
 Dept. of Medical Laboratory Science and Biotechnology, Fooyin Univ.
- P-5-24 Crithmum maritimum L. Suppresses Lung Cancer via p38-MAPK Pathway**
Focus on Pro-Apoptotic Effects and Signaling Cascades
 Peng Yu-Min¹, Li, Chen-Wei¹, Huang, Ren-Wei¹, Tsao, Der-An¹, Chen, Chung-Yi²
 1 Dept. of Medical Laboratory Science and Biotechnology, Fooyin Univ.
 2 School of Medical and Health Sciences, Fooyin Univ.
- P-5-25 Bioactivity-Guided Isolation of Active Ionone Compound from *Physalis peruviana***
Evaluating Its Anti-Cancer Effects in SKOV3 Ovarian Cancer Cells
 Ching-Chun Su¹, Cien-Yu Huang¹, Su-Ting Huang², Chung-Yi Chen², Der-An Tsao¹
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- P-5-26 Association Between HPV and Tumor Immunity in Oropharyngeal Carcinoma**
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3 University of the Ryukyus, Health Sciences
4 University of the Ryukyus, Graduate School of Health Sciences
- P-5-27 Long-Term Formalin-Ethanol Fixation Affects Nucleic Acid Quality**
Kentarou SUZUKI¹, Shuntarou DOUZONO¹, Arizumi KIKUCHI²
1 Daiyukai General Hospital
2 Daiyukai Research Institute For Medical Science
- P-5-28 Implementation of AT192: automated preparation of paraffin-embedded tissue-blocks
An approach towards integrating more automated work processes in the laboratory**
Hoerdum, Jill Moeller
Department of Pathology, Odense University Hospital
- P-5-29 Analysis of Kaposi's sarcoma-associated herpesvirus K1 gene function
The association of K1 gene with invasion ability and epithelial mesenchymal transition**
Maika Yara¹, Shohei Yogi², Nobuo Kuninaka², Takao Kinjo²
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2 Health Sciences in Faculty of Medicine, University of the Ryukyus
- P-5-30 Analysis of ARIA-like pathology in Alzheimer disease model mice
Characterization of Vascular Amyloid-beta in a Novel CAA/ARIA Model Mouse**
Takuro INOUE¹, Takuru KOBAYASHI¹, Toshie Sakagami¹, Hideaki SUZUKI¹, Kazuto TAKAHASHI¹, Akihiro Shindou², Hidehiro Ishikawa², Shinobu Kitazume¹
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2 Department of Neurology, Graduate School of Medicine, Mie University
- P-5-31 GALNT6 Expression and Localization in Luminal A Breast Cancer
Association with epithelial polarity and gland-forming architecture in clinical breast tissues**
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- P-5-32 Development of a Detection System for PTPRZ-MET Fusion in Glioma**
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- P-5-33 Rapid Fresh Pathology for Pulmonary Specimens**
Whole-mount Gigapixel Imaging of Fresh Lung Surgical Tissue
 Yao-Chen Tseng¹, Cheng-Hao Li², Hsuan Wang², Chung-Yen Huang³, Jin-Shing Chen⁴,
 Yi-Hua Liao⁵, Chi-Kuang Sun⁶, Min-Shu Hsieh²
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 5 Department of Dermatology, National Taiwan University Hospital and National Taiwan University College of Medicine, Taipei, Taiwan
 6 Graduate Institute of Photonics and Optoelectronics, National Taiwan University, Taipei, Taiwan
- P-5-34 KSHV Genotyping in Kaposi Sarcoma: Association with Clinical Subtypes**
 Shouhei Yogi, Takao Kinjoi
 Ryukyu University
- P-5-35 11,13-Dehydrolanuginolide Attenuates the Progression of Hepatocellular Carcinoma *In Vitro***
Suppression of Long-Term Proliferative Capacity and Tumor Cell Migratory Potential
 Chen Yu Kuo¹, Chung-Yi Chen², Su-Ting Huang², Der-An Tsao¹
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 2 School of Medical and Health Science, Fooyin Univ
- P-5-36 Protective Effects of Naringenin Against Hepatic Steatosis and Fibrosis**
 Shih-Yun Wei, Yu-Hsiang Hsiung, Yu-Chun Lin, Hui-Fang Tsai
 Chung Shan Medical University
- P-5-37 Elucidation of microenvironmental changes in precancerous lesions**
 Yuuji AOKI¹, Mizuki IINO, Shiho TOYAMA, Shin'ichi FUJIMAKI, Yuki FUKUMURA²
 1 International University of Health and Welfare
 2 Juntendo University School of Medicine
- P-5-38 Antcin Boosts Cisplatin Efficacy in Non-Small Cell Lung Cancer**
Suppressing Cell Survival and Migration through Combined Therapy
 Yu An Lin¹, Rong Qian Qiu¹, Su-Ting Huang², Chung-Yi Chen², Der-An Tsao¹
 1 Dept. of Medical Laboratory Science and Biotechnology, Fooyin Univ.
 2 School of Medical and Health Science, Fooyin Univ
- P-5-39 Apigenin as a Therapeutic Agent Against Ovarian Cancer**
An In Vitro Evaluation of Antitumor Mechanisms in the SKOV3 Cell Line
 Kelly Wu, Der An Tsao
 Dept. of Medical Laboratory Science and Biotechnology, Fooyin Univ.
- P-5-40 FFPE-Compatible RT-PCR for Endometrial Stromal Sarcoma**
Detection of JAZF1::SUZ12 and YWHAE::NUTM2A/B Fusion Transcripts
 Kimiko AZEGAMI
 Niigata University of Health and Welfare

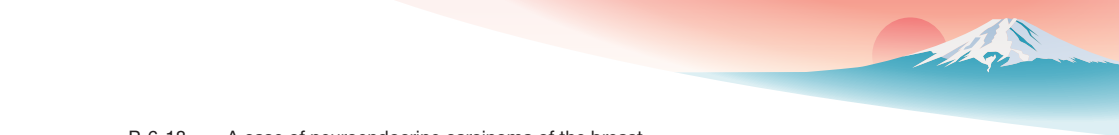
- P-5-41 Trends in Asbestos Body Counting at a Japanese Hospital
A Retrospective Analysis of 305 Cases**
Mari TANAKA¹, Yuika KUSUKI, Norihito TANAKA, Naoto TANIGAWA, Yukari TSUBOTA², Hitomi TATSUTA³
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2 Department of Pathology, Japan Organization of Occupational Health and Safety Wakayama Rosai Hospital
3 Center for Asbestos-Related Diseases, Japan Organization of Occupational Health and Safety Wakayama Rosai Hospital
- P-5-42 Could Cytokine Profiling Refine Immune Stratification in Colorectal Cancer Patients?**
Paulo CunhaTeixeira¹, Fernando Mendes², Mariana Francisco³, Fatima Silva⁴, Pedro Vaz⁵, Diana Martins⁶, Rui Caetano⁷
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4 Pathology Department, Hospitais da Universidade de Coimbra
5 Department of General Surgery, Hospitais da Universidade de Coimbra
6 Center for Innovative Biomedicine and Biotechnology (CIBB)
7 Anatomic Pathology Center Germano de Sousa
- P-5-43 Improve the processing procedures for frozen sections of breast tissue**
Chun chi Huang, Yen shuo Huang, Shu han Chen, chieh Shen, chun chieh Wu
Pathology, Kaohsiung Medical University Hospital, Kaohsiung Medical University, Kaohsiung, Taiwan
- P-5-44 Chromatin Instability by Telomere Dysfunction Promotes Neutrophil Extracellular Trap Formation
Association of TRF2 Downregulation and DNA Damage Response with Neutrophil Extracellular Trap Formation**
Mahiro Makimura¹, Hiroki Doi², Masaya Hirayama³, Takayuki Hattori³, Mina Ikeda³, Kazuya Shiogama³
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2 Department of Cellular and Molecular Biology, Faculty of Medical Sciences, Fujita Health University
3 Department of Pathology and Cytopathology, Faculty of Medical Sciences, Fujita Health University
- P-5-45 Effect of Mumeifural on Neutrophil Extracellular Trap Formation
Characterization of NETs Responses to a Japanese Apricot-Derived Bioactive Compound**
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Cytology

- P-6-1 HPV DNA Genotyping and E6/E7 mRNA for Cervical Precancer Diagnosis**
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- P-6-2 Immunohistochemical analyses of hydroxylase-immunoreactive amacrine cells in the gerbil retina**
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2 Akita Hospital
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- P-6-3 Deep Ocean Water in Cytology Processing
A Preliminary Study of Morphologic Preservation**
Yousuke TAJIKA¹, Ayumi HAGIWARA¹, Yuuki OBARA¹, Megumi ORITA¹, Kazuto IKEDA¹, Akiko HASHIMOTO¹, Kenichi Hirabayashi²
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2 Dept. of Diagnostic Pathology, Univ. of Toyama
- P-6-4 Signet-Ring-Like Macrophages in Pleural Effusion
Cytologic Features and Diagnostic Pitfalls: A Case Report**
Chih-Lin Huang, Hui-Wen Chou, Hsin-Chieh Lin, Po-Chih Chen
Department of Laboratory Medicine, Kaohsiung Medical University Hospital
- P-6-5 Validation of Immunocytochemistry Controls in Liquid-Based Cytology
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Miho YOSHIDA, Ryuuko TSUKAMOTO, Yuusuke SUMA, Takuya MURAKAMI, Yukiya HIRATA, Satoshi INOHARA, Naoko IMAGAWA, Tomoo Itoh
Department of Diagnostic Pathology, Kobe University Hospital
- P-6-6 Atypical Cells in Septic Ascites
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Chih-Lin Huang, Hui-Wen Chou, Hsin-Chieh Lin, Po-Chih Chen
Department of Laboratory Medicine, Kaohsiung Medical University Hospital
- P-6-7 Prolongation Factors Among General Applicants in Cytotechnologist Certification Examination**
Michihiro MORI¹, Tsuyoshi TAKASHIMA², Takafumi OONISHI³, Kazuki SHIBAHARA⁴, Shouji TAKAGI⁵, Shin'ichi TANAKA⁶
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2 Hyogo Medical Univ.
3 Kyoto Tachibana Univ.
4 Kyushu Univ. of Medical Science
5 Kurashiki Univ. of Science and the Arts
6 Kawasaki Univ. of Medical Welfare
- P-6-8 Imprint Cytology Supports Safer OSNA Practice
A laboratory quality safeguard for discordant sentinel node assessment**
Makoto HAMADA, Shogo Baba, Mami Koketsu, Oi Harada, Yasutaka Kato, Hiroyuki Kawami, Hajime Kuroda, #Emmy YANAGITA
- P-6-9 A Case of Ependymoma Detected in Pleural Effusion**
Narumi OTSUKA¹, Yoshitaka YAMAGUCHI², Makoto KITAMURA¹, Toshiki YAMAZAKI¹, Misako HIRAYAMA¹, Natsumi SAITOU¹, Masakazu KAMAKURA¹, Nobuyuki HIRUTA¹
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- P-6-10 Astroblastoma initially suspected as ependymoma on intraoperative cytology a case report with emphasis on differential cytological feature**
Chihiro NAKA¹, Manabu SUZUKI¹, Takako WAKAHARA¹, Kiyotaka ONODERA¹, Yoshitaka YAMAGUCHI², Masayuki OTA³, Jun-ichiro IKEDA³
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- P-6-11 Digital Cytology Learning Content Development and AI Applications**
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3 Institute of Science Tokyo Hospital
4 The University of Tokyo
- P-6-12 Comparison of ThinPrep UroCyte and Cytospin in Urinary Cytology**
Hsiu-Chu Wang, Lee-E Huang, Wen-Ying Lee
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- P-6-13 Case Report: Stratified Mucin-Producing Intraepithelial Lesion (SMILE) in Pap Smear**
Mei Ling Wu, Ai-Ying Chung, Li-Shun Shih
Department of Pathology and Laboratory Medicine, Koo Foundation Sun Yat-Sen Cancer Center
- P-6-14 Analyzing positive cells using CINtec Plus in cervical smears**
Cytological findings of p16/Ki-67 positivity in high-risk HPV cases
Kaisei Ono¹, Yuito Tanaka¹, Shin-ichi Fujimaki², Minoru Ohsawa³, Mitsuaki Okodo⁴, Atsuko Owada³, Yoshimasa Nakazato³, Kaori Okayama²
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2 International University of Health and Welfare
3 International University of Health and Welfare Nasu Medical Center
4 Kyorin University
- P-6-15 Calcification and RA cell in Human Osteoarthritis Synovial Fluid**
Misao YONEDA, Ryuji ISHIKAWA, Hideki IMADA
Suzuka University of Medical Science
- P-6-16 miRNAs in extracellular vesicles derived from cadmium-exposed hepatocytes inhibit osteogenesis.**
Jo Sakuragi¹, Wataru Miyazaki¹, Tsuyoshi Nakanishi²
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2 Laboratory of Hygienic Chemistry and Molecular Toxicology, Gifu Pharmaceutical University
- P-6-17 Development of an Eye-Tracking Application for Cytotechnologist Skill Assessment**
Assessing Diagnostic Expertise Using Machine Learning and Visual Search Features
Naoya ABE¹, Tomofumi Miyazawa², Yukari NISHIMURA¹, Kazuya YAMASHITA³, Takushi Kawamori¹, Yusuke Takatori², Yoshiki Murakumo¹, Reiko FURUTA¹
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2 Kanagawa Institute of Technology
3 Kitasato University Hospital

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- P-6-18 A case of neuroendocrine carcinoma of the breast nipple discharge : cytological characteristics**
 Misa OKUBO¹, Naruaki MATSUI², Hitomi UCHIYAMA³, Daisuke YAMACHIKA⁴, Teruji SUGITA⁴, Hiroshi KAJIWARA⁵, Chie INOMOTO⁵, Kazuo SHIMAMURA⁶
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 3 Dept of pathology, Chigasaki Municipal Hosp
 4 Dept of surgery, Yamachika Hosp
 5 Dept of pathology, Tokai Univ School
 6 Dept of pathology, Yamachika Hosp
- P-6-19 Cytological Features and Differential Diagnosis of Dermatopathic Lymphadenopathy**
 Mizuki IINO¹, Shiho TOYAMA¹, Yuuji AOKI², Mika OTANI¹, Kanako KITAMURA¹, Toshiharu MATSUMOTO¹, Kanako OGURA¹
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 2 Department of Human Pathology, Juntendo University
- P-6-20 Mollaret cells identified in cerebrospinal fluid cytology. A case of recurrent meningitis underlying Sjogrens syndrome.**
 Takumi SHIMIZU¹, Hiroshi YOKOZAKI², Kyouko YUMURA², Shinako UOHASHI¹, Yoshitaka TORII³, Yuuko HORIKOSHI¹, Ryuutarou IWAKUMA¹, Momoka SUNAZAKI¹
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 2 Department of Diagnostic Pathology, Hyogo Prefectural Tamba Medical Center
 3 Department of Surgical Pathology, Hyogo Medical University Hospital
- P-6-21 Nested Variant Urothelial Carcinoma in Urine Cytology A Diagnostic Pitfall in The Paris System**
 Yuma IKEDA, Toshiaki HARA, Harumi KOBAYASHI, Masafumi SEKI, Akira SATO, Kennosuke KARUBE
 Department of Pathology Nagoya University Hospital
- P-6-22 Utility of Cytological Specimens for Molecular Testing in Lung Cancer**
 Shota Miyao, Ikki Tanimoto, Chiaki Nagai
 Department of Pathology Laboratory, Osaka Saiseikai Nakatsu Hospital, Osaka, Japan
- P-6-23 ROSE in Emergency Care: Report of Two Beneficial Cases**
 Etsuko OKUSAWA, Yoshimura YUYA, Akihide KONN
 Department of Emergency and Critical Care Medicine, Hachinohe City Hospital
- P-6-24 Evaluation of Intraoperative Rapid Cytology in Thoracic Surgery Cases**
 Shiho TOYAMA¹, Mizuki IINO¹, Yuuji AOKI², Mika OTANI¹, Kanako KITAMURA¹, Shiori HOCCHI¹, Toshiharu MATSUMOTO¹, Kanako OGURA¹
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- P-6-25 Simple Bone Cyst with Spherical Fibrin-like Material in Cyst Fluid A Case Report**
 Koichi Ikebata¹, Kyoko Yamashita², Takahiko Ito¹, Hirokuni Kakinuma¹, Tomohiro Chiba¹
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 2 Department of Pathology, Cancer Institute Hospital, Japanese Foundation for Cancer Research, Tokyo, Japan

- P-6-26** **Central Nervous System Involvement in Mantle Cell Lymphoma
The Crucial Role of Cerebrospinal Fluid Laboratory Diagnostics**
Mirjana Stupnisek
University Hospital for Infectious Diseases, Zagreb, Croatia
- P-6-27** **Atrophy
Diagnostic Utility of the Estrogen Test in Postmenopausal Cervical Cytology**
Kurbonova Zumrad Chutbayevna, Karimova Aziza Anvarovna, Hwa Jeong Ha* *Presenting author
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Tashkent, Uzbekistan
- P-6-28** **Bone Marrow Leishmaniasis in a Patient with HIV Infection:
Lessons from a Relapsed Case**
Mirjana Stupnisek, Martina Firic, Katarina Pajtak
University Hospital for Infectious Diseases, Zagreb, Croatia

Transfusion medicine

- P-7-1** **A case of combined small cell carcinoma and urothelial carcinoma
Bladder cancer in which estimation of histological type was avoided in Urinary Sediment
Examination**
Taichi ISHIYAMA¹, Mihoko TOMODA¹, Yoshimi KATOUNO¹, Megumi OKUMURA¹, Hitoshi ABE¹,
Tomohiro CHIBA¹, Kazunori MIYAKE², Taro SHIGA¹
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2 Department of Clinical Laboratory Technology, Juntendo University
- P-7-2** **Diagnostic Pitfalls and Interpretive Performance in Urinary Cell Identification
Accuracy, Misclassification Patterns, and Predictors of Professional Performance**
HUISZU TSAI¹, CHUANPO LEE²
1 Department of Pathology & Laboratory Medicine, Taipei Veterans General Hospital, Taiwan
2 Department of Pathology & Laboratory Medicine, Taipei Veterans General Hospital, Taiwan.
- P-7-3** **Usefulness of Gram staining in continuous ambulatory peritoneal dialysis effluent
Evaluation of characteristics using the fully automated urine particle analyzer UF-5000**
Takuya OKAMOTO, Honami MIYASHIGE, Yuka YONEDA, Mayumi YAMADA, Mizuki HARA,
Naoki TOKUNAGA, Hiroaki TADA
Department of Clinical Laboratory, Kawashima Hospital
- P-7-5** **Evaluation of Urinary Sediment for Monitoring Fabry Disease Treatment
Longitudinal Changes in Mulberry Cell and Body Counts in Fabry Disease**
Noriko KAWAMITSU, Aya UEHARA, Yuuki FUKAGAWA, Ayumi SAKATA
Department of Clinical Laboratory, Kyushu University Hospital
- P-7-6** **Quantitative Assessment of Macroscopic Haematuria Using Urinary RBC Counts**
Tomoji YUNO, Hiaki SATOU
Hokuriku University, Faculty of Health and Medical Sciences.

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- P-7-7** **Urinary scattergram parameters predict leukocyte viability and urinary tract infection classification of pyuria by machine learning**
Yoshifumi MORITA, Teruhiko YOSHIDA, Rin YOKOYAMA, Naru NAKATSUKA, Masami TANAKA, Naoyuki YOSHIKAWA, Makoto KURANO
Department of Clinical Laboratory, The University of Tokyo Hospital
- P-7-8** **Glomerular Erythrocyte Identification Using LVSEM and 3D-OWFM**
Takashi YOKOYAMA¹, Shun Manabe², Yusuke Tsukahara³, Hiroki Kawamura¹, Shimon Matsumoto⁴, Asako Tsuda⁵, Junichi Hoshino²
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2 Tokyo Women's Medical University
3 Tokyo Women's Medical University Hospital
4 Otsuka Electronics
5 Hitachi High-Tech
- P-7-9** **Nuclear long diameter index for identifying HGUC cells
An objective morphological indicator in urinary cytology**
Hiroyuki OHSAKI¹, Kazuma SAKUMO², Juri TAMURA², Akihiro NAKAMURA³, Shingo KAMOSHIDA²
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2 Department of Medical Biophysics, Kobe University Graduate School of Health Sciences
3 Department of Clinical Laboratory Science, Faculty of Health Care, Tenri University
- P-7-10** **Clinical Significance of Xanthine Crystalluria
A Case of Tumor Lysis Syndrome**
Miho KISHI, Sayaka KUROSAWA, Hironobu OKANO, Yasunobu SEKIGUCHI, Machiko KAWAMURA
Saitama Cancer Center
- P-7-11** **Establish a rapid screen process for bacterial identification from urine
Using Sysmex UF-5000i combined with membrane micro-filtration extraction and MALDI-TOF MS**
WeiShiang SUN¹, YunShan LU², HsinNi HUANG², JunXian YU¹, WanHuei CHIOU¹
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2 Microbiology Lab, National Taiwan University Hospital
- P-7-12** **UF-5000 Atyp.C for Detecting Atypical Urinary Cells
Impact of identifying intracytoplasmic inclusion-bearing cells**
Yuki FUJIWARA¹, Yuzuru TAKEI², Hiroto NAKAZAWA²
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2 Isesaki Municipal Hospital
- P-7-13** **Macroscopic Brown Urine During Metronidazole and Cefiderocol Therapy**
Haruyo MITSUI, Yoko YATABE, Tsuyoshi KOKUZAWA, Akihiko CHIDA, Masaharu YASUI, Tomoko ARAI, Masatoshi WAKUI, Hiromichi MATSUSHITA
Keio University Hospital, Tokyo, Japan
- P-7-14** **Urinary Nephtrin in Early Nephropathy among Hypertensive T2DM Filipino Patients**
Allyssa Marie Prado, Andrew Alviar, Leona-Victoria Lapuz, Kattiana Dubongco, Ron Sison, Ruby Meim, Xandro Nieto
University of Santo Tomas

- P-8-1** **Utilizing Novel Heat Pipe Thawing Mechanism for Fresh Frozen Plasma
A Pilot Probe on its Hemostatic-Proteometric Viability and a possible Stat Request Algorithm**
Vic Deniel Busi, Mary Joy Dela Pena, Marvin Masalunga, Hazel Loraenne Conarco,
Jessa Mae Janoyan, Albenia Meilodi Oclarit, Aniska Yonjan, Roscel Iris Vios
Southwestern University PHINMA School of Medicine
- P-8-2** **Responses to Depleted Red Blood Cells Transfusion
A Case Study of a Teaching Hospital in Hsinchu, Taiwan**
LIANG HSIAO CHIH, TSAI CHIEN CHIH
Hsinchu Cathay General Hospital
- P-8-3** **A Case of Anti-K Alloimmunization After Blood Transfusion
A Rare Case of Anti-K Alloimmunization After Blood Transfusion in a Taiwanese Patient**
Yu-Hsuan Lin¹, Jiunu-An Lin¹, Ying-Tso Wang², Po-Ren Hsueh³
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2 Dept.of Laboratory Medicine, China Medical University Hosp.
3 Dept.of Laboratory Medicine and Internal Medicine, China Medical University Hosp.
- P-8-4** **Recovering Extracellular Vesicle-Associated Particles from Discarded Cryosupernatant**
Ryota Miyachi¹, Hiroki Doi², Sumie Fujii³, Hideaki Matsuura², Yasuo Miura³
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2 Department of Cellular and Molecular Biology, Fujita Health University, Toyoake, Japan
3 Department of Transfusion Medicine and Cell Therapy, Fujita Health University, Toyoake, Japan
- P-8-5** **Auto-anti-M Mimicking Cold Agglutinin Disease
A Diagnostic Pitfall in Laboratory Interpretation**
Yuto KUSATSUGU¹, Tatsuya TAKEUCHI¹, Yoshimi ISHIHARA¹, Shingo OKUNO²,
Tomohiro KAJIGUCHI²
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2 Department of Hematology and Oncology, Tosei General Hospital, Aichi, Japan
- P-8-6** **AI-Driven Digital Handover in Blood Bank
Improving Efficiency and Transfusion Safety**
Yi-Chun Kuo, Chia-Yi Hou
Chi Mei Hospital, Liouying
- P-8-7** **When O is Not O: Ael Phenotype Misclassification
A Rare Ael Phenotype Presenting as ABO Discrepancy**
HsinYu Li
Mackay Memorial Hosp.
- P-8-8** **Clinical Significance of Naturally Occurring Anti-Wr^a
IgG Subclass and Functional Analysis**
Hidekazu HASUNUMA¹, Tomoko ISHIDA¹, Hiroki OTAKI¹, Tamotsu MACHIDA¹, Sanshiro NAKAO²,
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- P-8-9 Dynamic Lewis Antigen Changes During HCV Antiviral Therapy**
Wan-Chun Su¹, Chuan-Fa Chang², Yi-Chun Kuo³
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² National Cheng Kung University
³ Chi Mei Hosoipl,Liouying
- P-8-10 Cold Agglutinin Transfusion Management in CAD
A Case Report of High-Titer Autoanti-I Hemolysis**
Fu-An Chang, Tsai-Lian Yang
Department of Laboratory Medicine, En Chu Kong Hospital
- P-8-11 Establishing Optimal Cut-off Values for Autologous PBSC Collection
Using Automated Hematopoietic Progenitor Cell (HPC) Counts**
Ching-hui Lee, Chih-Yi Lee
Department of Laboratory Medicine, Chang-Gung Memorial Hospital
- P-8-12 Incidence and Causal Analysis of Transfusion Incidents at Our Hospital**
Yu KUMAGAI, Rena ISHIHARA, Moeka NAKASHIMA, Kazuyo MURAKAMI, Hiroshi SUGINO
Department of Clinical Laboratory, Japanese Red Cross Aichi Medical Center Nagoya Daini
- P-8-13 Establishing an Emergency Blood Supply Procedure for Resilient Healthcare**
PeiYin Tsai, HuiLing Chen
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- P-8-14 Weak Antigen Reactivity in Acute Myeloid Leukemia**
YuTing Chen, HuiLing Chen
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- P-8-15 Analysis of emergency transfusion cases of Fu_Jen Catholic University Hospital**
HSIU-RU HUANG, Chih-Hung Wang, Hsiu-Chen Chou, Yi-Ting Sung, Yi-Chen Tsai, Pei-Yun Tsai,
Li-Na Lee
Department of Laboratory Medicine, Fu Jen Catholic University Hospital, Fu Jen Catholic University
- P-8-16 Strategies and Effectiveness of Improving Management Rh(D)-Negative Blood Components
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RhD-Negative Blood Component Return Reduction Strategies**
Huang Chen-Tsai, Lin Cheng-Yu
National Taiwan University Hospital Hsin-Chu Branch Laboraory Medicine
- P-8-17 Meteorological Drivers of Blood Type Specific Transfusion Demand Patterns
A Five Year Retrospective Analysis of Comprehensive Weather Impacts**
yu tzungyeen, Yi-Hung Sung, Hsiao-Ting Huang, Jia-Chuen Sung
Yuan's General Hospital
- P-8-18 Bridging Blood Supply Crisis during COVID-19
Integrating Clinical Decision Support Systems and Dynamic Inventory Management**
Yi-Hsien,Ho¹, Chao-Wei Liu²
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² Department of Laboratory Medicine, National Taiwan University Hospital

- P-8-19 Piperacillin/Tazobactam-Induced Drug-Dependent Antibodies Presenting as Autoantibodies: A Case Study**
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- P-8-20 Managing ABO Discrepancy in a Resource-Limited Laboratory
A Practical Case Experience Suggestive of B3 Subgroup**
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2 NTUH-HCB, Biomedical Park Hospital
3 Dept. MLS, Taitung Christian Hosp., Taitung, Taiwan
- P-8-21 Power BI evaluation of prophylactic antihistamines for patient safety**
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- P-8-22 Unexpected Anti-Jra Antibody Causing Transfusion Delay in Acute Cholangitis
Importance of Rapid Collaboration Between Laboratory, Clinicians, and Blood Center**
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- P-8-23 Establishing a Quality Control and Appropriate-Use System for In-House Cryoprecipitate**
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2 Transfusion and Cell Therapy Department, Kochi Medical School Hospital, Japan
3 Clinical Laboratory Department, Kochi Medical School Hospital, Japan
- P-8-24 A Case Report of Suspected Transfusion-Associated Circulatory Overload**
Fang Yu You, Shih-Cheng Yang, Pai-Ling Chang
- P-8-25 Cold Stored Platelets
Cold and delayed cold storage a promising alternative for the preservation of platelet concentrates**
GARMAZI Mariem¹, F. Mhenni², H. Amri², L. Khfacha², M. Sassi²
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- P-8-26 Generative AI applications in restrictive transfusion strategy
Reducing RBC transfusion overuse**
Ya-Fang Huang, Min-Yu Chan, Shih-Yi Chen, Liang-Lan Shing, Wan-Wen Su
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Education

- P-9-1 AI Diagnostic Performance in Medical Laboratory Imaging
Strategic Implementation of AI-Assisted Diagnostic Systems and the Evolving Role of Medical Technologists**
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- P-9-3 Digitization as a tool for transformation:
Distance learning for acquiring sustainable knowledge of histological morphology**
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- P-9-4 XR-Assisted Phlebotomy Improving Workflow and Procedural Training in Medical Laboratory**
CHEN SI-YU, Tze-Kiong Er
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- P-9-5 Escape Room-Based Gamification for Medical Technologists
Impact on Knowledge, Skills and Attitudes**
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2 Department of Medical Education and Research, Kaohsiung Veterans General Hospital
- P-9-6 AI Phlebotomy Training: Enhancing Communication Skills Through Virtual Human Simulation**
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2 Dept. of Laboratory Medicine, Taipei Tzu Chi Hospital, Buddhist Tzu Chi Medical Foundation, Taiwan
- P-9-7 Training for Medical Laboratory Interns
Virtual Reality Based Polymerase Chain Reaction Training for Medical Laboratory Interns**
Wen-Tung Hsu, Jia-Wen Chen¹, Kwang-Yang Tsai², Liang-Yi Liu³, Yi-Shu Liao⁴, Jane-Dar Lee⁵, Li-Mien Chen⁶, Yu-Lueng Shih⁷
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7 Gastroenterology, Taichung Armed Force General Hospital, Taiwan, ROC
- P-9-8 Automated Voice Dialing for Critical Value Reporting: Implementation and Evaluation
An Innovative Automated Voice Dialing and Escalation Framework for Clinical Value Reporting**
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2 National Taiwan University Hospital Hsin-Chu Branch Department of Pediatrics
3 National Taiwan University Hospital Hsin-Chu Branch Division of Infectious Diseases

- P-9-9 Gamification of Learning -"Hospital Escape"**
Application of Escape Room Integrated with Live Action Role-Playing in Medical Laboratory Education
KUNG, LIN
Department of Medical Laboratory, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, New Taipei City, Taiwan
- P-9-10 Designing Entrustable Activities for Entry-Level Laboratory Practice**
Validation and staged prioritization across three core disciplines
Hsien-Li Huang¹, Hsien-Li Huang¹, Pi-Yueh Chang², Mei-Chia Wang¹, Tsai-Ling Chao¹, Huey-Ling You¹
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- P-9-11 Development and Implementation of the postgraduate program "histopathology"**
A specialized 60 - ECTS curriculum for biomedical scientists in Austria
Raphaela Dragosits-Bauer
University of Applied Sciences Vienna
- P-9-12 SIMULATION as a Didactic Concept in Functional Diagnostics**
Elis Godaj
University of Applied Sciences Vienna
- P-9-13 Academic Program in Functional Diagnostics**
Evidence-based specialization for functional laboratory diagnostics in pulmonology, sleep medicine, cardiology, and neurology
Elis Godaj
University of Applied Sciences Vienna
- P-9-14 Hemoglobin Discrepancy and Sample Inhomogeneity in Syringe Blood Collection**
Impact of Pre-analytical Factors and Rapid Sedimentation Triggered by a Critical Incident
Naomichi TSUCHIYA, Minako MORIYAMA, Katsuya MATSUMOTO, Kenji FURUTA
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**P-9-15 The new era of Biomedical Laboratory Sciences in Portugal
One profession, multiple specializations: A strategic framework for academic progression and professional alliance**

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P-9-16 Virtual slide group work enhances understanding in pathology education

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P-9-17 Digital and Flexible Continuing Education for Biomedical Laboratory Scientists

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**P-9-18 Career Awareness and Educational Needs among Japanese Medical Laboratory Scientists
Insights from a Survey on Training Gaps and Career Expectations**

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P-9-19 Practical Three-Minute Kiken Yochi Training in a Pathology Laboratory

Akira SATOU

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P-9-20 Designing a Self-Assessment System for Biomedical Laboratory Science Examination Preparation

Hirokazu ODASHIMA, Tetsuya IKEDA, Chikafumi SHOSHI

Kyoto Tachibana University

- P-9-21 Evidence-based competency tools with a next-generation digital system**
 Kiriko MAEKAWA¹, Takamitsu IMANISHI²
 1 Kobe University
 2 Kobe University Hospital
- P-9-22 Authentic Assessment for Workforce Readiness in Laboratory Medicine**
A coherent assessment pathway supporting professional formation and workforce readiness
 Lara Escane¹, Margaret Alexander², Nalini Klopp², Voula Gaganis¹
 1 Flinders University, College of Medicine and Public Health
 2 Flinders University
- P-9-23 Modular Master of Health Studies: Stackable Micro-credentials for Postgraduate Pathways**
Flexible master's programme combines lifelong learning with continuous academic development
 Michaela Hassler, Barbara Kirchknopf, Karl Brandstetter
 Hochschule Campus Wien University of applied sciences
- P-9-24 Competency-Based Curriculum Reform in Biomedical Science Education**
Early Laboratory Skills Training and Structured Assessment to Enhance Practical Competence
 Barbara Kirchknopf, Michaela Hassler
 University of Applied Sciences Vienna
- P-9-25 Curriculum Redesign for Part-Time Biomedical Science Education**
Blended delivery, simulation and workload alignment in clinical chemistry
 Barbara Kirchknopf, Nadja Leditznig
 University of Applied Sciences Vienna
- P-9-26 Shaping the Future: Harmonising Biomedical Laboratory Sciences Education in Portugal**
National Council of Biomedical Laboratory Sciences working together for a brighter future!
 Fernando Mendes¹, Diana Martins², Mario Maia-Matos³, Antonio Jose Nogueira⁴,
 Claudia Cordova⁵, Claudio Roque⁶, Sandra Marlene Mota⁷, Rui Placido Raposo⁸
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- P-9-27 Where Standards Meet Practice Educating - Tomorrow's Biomedical Scientists**
Curricular Structures and Professional Standards in Portuguese Private Higher Education
 Fernando Mendes¹, Diana Martins², Ana Sousa³, Ana Tomas⁴, Ceu Costa⁵, Carla Motta⁶
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 5 Escola Superior de Saude - Fernando Pessoa (ESS-FP), Porto, PT
 6 Instituto Politecnico da Lusofonia (IPLUSO), Lisboa, PT
- P-9-28 The Importance of Specialized and Standardized Training in Macroscopy**
A Proposal for a Competency-Based Educational Model in Biomedical Laboratory Science
 Diana Martins¹, Monica Curado², Susana Silva³, Manuela Novo⁴, Mariana Geraldés⁵, Marta Diogo Pereira⁶, Fernando Mendes⁷, Joana Liberal⁸
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 8 Polytechnic Univ. Coimbra, Coimbra Health School (ESTeSC), Coimbra, PT; H&TRC, ESTeSC, Coimbra, PT
- P-9-29 Bridging the Future of Biomedical Laboratory Science Through International Training**
Insights from the 2024 TMER Overseas Training Program
 Judy Tran
 University Health Network
- P-9-30 The BLS Academy**
An International Academy of Biomedical Laboratory Sciences
 Gry Sjøholt¹, Mario Maia-Matos², Anniina Friman³, Fernando Mendes⁴, Stephanie Meli⁴, Line Wergeland¹
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 2 Polytechnic University of Lisbon
 3 Turku University of Applied Sciences
 4 The European Association of Biomedical Scientists

Genetics

- P-10-1** **Urinary Liquid Biopsy for Nuclear and Mitochondrial Genomics in Practice**
Urinary Liquid Biopsy for Nuclear and Mitochondrial Genomics in Practice
 Narumi KAMIO¹, Kouichi YAMAGUCHI², Hiroshi SUZUKI³, Kouichi KITAMURA⁴, Junko NOMOTO³, Mitsuki NAGASAWA⁵, Hironori KATAYAMA³, Yoshitaka YAMAGUCHI³
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 2 Tsukuba International University
 3 Medical Technology and Sciences, IUHW
 4 Chiba University Hospital
 5 Graduate School of IUHW
- P-10-2** **Transcriptomic endotype-dependent mortality risk associated with mitochondrial gene expression**
Evidence from a large sepsis whole-blood transcriptomic cohort
 Kuang Ting Liu, Yueh Ching Chang, Yu Chieh Lin, Junn Liang Chang
 Department of Pathology and Laboratory Medicine, Taoyuan Armed Forces General Hospital, Taoyuan City, Taiwan
- P-10-3** **Standardizing RNA Extraction and RNA-Seq Library Prep Using LabDroid MAHOLO**
 Kazuki SUWA, Noriyo ISHIBASHI, Eiju MIYAMOTO, Miki SAITO, Asami NAITO
 Tsukuba i-LaboratoryLLP
- P-10-4** **UGT1A1 Result Documentation and Subsequent Irinotecan Use in Solid Tumors**
Insights Into the Real-World Use of UGT1A1 Results
 Akitoshi MATSUSHITA, Sang-Tae LEE, Junko KATOU, Takuya IKEJIMA, Yuna TATSUMI, Daisuke HARA, Naoko YAMAGUCHI, Masahito ONISHI
 Nara Medical University Hospital
- P-10-5** **Detection of Genetic Mosaicism using cfDNA**
 Saki Tajima, Shin-ichi Fujimaki, Makoto Osada
 International University of Health and Welfare Graduate School
- P-10-6** **Impact of pre-analytical procedures on plasma microRNA expression**
 Mei Nakazawa¹, Kousuke Yoshida¹, Ryuichi Takahashi², Tetsuo Kashibayashi², Jun Fujita², Kazuki Takano², Hisatomo Kowa¹, Akira Hashiramoto¹
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- P-10-7** **Migraine-Related Autonomic Changes Associated with ASTN2 Polymorphism**
 Chiaki TAIRA¹, Harue SUZUKI², Shiori ESAKI³, Misaki HANAWA⁴, Masahide YAZAKI⁵, Kazuyuki MATSUDA³
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- P-10-8 A NOVEL SLC4A3 VARIANT IDENTIFIED IN DILATED CARDIOMYOPATHY
PREDICTION ASSESSMENT OF SLC4A3 PATHOGENICITY USING A ZEBRAFISH MODEL**
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- P-10-9 Evaluation of SNaPshot for detecting *BCR::ABL1* mutations
Comparison between SNaPshot and Sanger sequencing methods for detecting drug-
resistant tyrosine kinase domain mutations**
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- P-10-10 G-banding decolorization XY FISH in secondary MDS detection: a case**
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Haruya Kawakami²
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- P-10-11 Simplification and Utility of Urine DNA Extraction Protocol
Aiming for a Lower-cost and Simpler Method**
Tomonori Yamashita¹, Hiroshi SUZUKI², Aki KONNO¹, Chihina SAKAMOTO¹,
Yoshihiko ENOMOTO³, Junko NOMOTO¹, Hironori KATAYAMA⁴, Yoshitaka YAMAGUCHI¹
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2 Japan Healthcare University
3 Yokkaichi Nursing and Medical Care University
4 Graduate School of Health and Welfare, IUHW
- P-10-12 Standardization and Clinical Evaluation of Circulating microRNAs
Quantitative Assessment of Atrial Remodeling in Atrial Fibrillation**
Shiori ESAKI¹, Chiaki TAIRA¹, Sachina IMOTO², Naoya TAKEICHI³, Harue SUZUKI³,
Mizuki YOSHIZAWA³, Atsushi IZAWA¹, Kazuyuki MATSUDA¹
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- P-10-13 Cellular Deconvolution Methods for Cell-Free RNA in Liver Cancer
Cellular Deconvolution Methods for Cell-Free RNA in Liver Cancer**
Razil Bin Tahir, Yukawa Masashi
Ehime University
- P-10-14 Detection Rate of Trisomy 21 in AMA Pregnancies Undergoing Amniocentesis
A Five-Year Retrospective Study**
Chen Man Ling, Chen Man Ling
Department of Medical Genetics, China Medical University Hospital

- P-10-15 Comprehensive Analysis of Genomic Alterations for Precision Oncology Comparison Across Specimens and Sequencing Platforms**
Naoki Miyamoto¹, Yoshiki Naito¹, Yuka Ichinose¹, Ryosuke Kajiwara¹, Akihiko Kawahara², Hiroyuki Kawano¹, Kenji Fujiyoshi³, Fumihiko Fujita³
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2 Department of Diagnostic Pathology, Kurume University Hospital
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- P-10-16 Evaluation of Exosome Isolation Methods Comparison Between Serum and Plasma and the Impact of Freeze Storage**
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- P-10-17 Brushing lavage detects red complex bacteria better than mouth rinse**
Yoshitaka YAMAGUCHI¹, Takeshi ORIHARA², Hiroshi SUZUKI³, Kouichi YAMAGUCHI⁴, Kouichi KITAMURA⁵, Junko NOMOTO¹, Hironori KATAYAMA¹, Mitsuaki NAGASAWA¹
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4 Tsukuba International University
5 Chiba University Hospital
- P-10-18 Role of Medical Technologists in Comprehensive Genomic Profiling in Japan**
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- P-10-19 Genetic Variation Analysis of the G6PD Genetic Variation Analysis of G6PD in Neonate**
Atna Permana
PATELKI
- P-10-20 Application of Cytogenetic Biodosimetry in Radiation Workers Enhancing Occupational Safety Tracking in Biomedical Laboratory Science**
Chao-Wei Liu¹, Yi-Hsien, Ho²
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2 Wan Fang Hospital, Taipei Medical University
- P-10-21 Preliminary study of a novel *BRAF* V600E detection method**
Masato MUKAIDE, Hidehiro IWATA, Yoshiaki MIZUNO, Kenji NITTA, Hiroyuki OSADA, Harue FUKAMI, Hiroshi SUGINO
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- P-10-22 Culture-Negative Microsporidial Endophthalmitis Diagnosed by PCR and Electron microscopy**
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- P-10-23 Molecular analyses of GALNT6 in luminal breast cancer**
Subtype-specific transcriptomic association with estrogen receptor-related epithelial programs
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4 Dept. of Breast Surgery, Fukushima Med. Univ.
- P-10-24 Analytical Validation of a Solid Tumor Comprehensive Genomic Profiling Assay**
Analytical Performance of an NGS-Based Comprehensive Genomic Profiling Assay for Solid Tumors
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- P-10-25 BRCA2 LOH Drives Melphalan Sensitivity in Vaginal Clear Cell Carcinoma**
A Genomic Case Study on Melphalan Efficacy in Cisplatin-Refractory Clear Cell Carcinoma
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- P-10-26 A case of left craniofacial overgrowth with a *PIK3CA* variant localized to the right buccal mucosa**
Kenta Hasumi¹, Miyu Fukushima¹, Sayuri Oda¹, Hiroyuki Kuramitsu¹, Tsuyoshi Numano², Hirofumi Ohashi¹, Daiju Oba¹
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2 Department of Clinical Laboratory, Saitama Children's Medical Center
- P-10-27 Implementation of Droplet Digital PCR for Circulating Tumor DNA Detection**
Establishing a clinical testing platform for novel cancer markers at Oslo University Hospital
Thale Andrea Nilsen¹, Arne Westgaard², Ann Magritt Liberg¹, Patrycja Szybowska¹, Kjaersti Soerensen Susrud¹, Aage Winje Brustad¹, David J. Warren¹, Ragnhild Veline Nome¹
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2 Department of Oncology, Oslo University Hospital, Oslo, Norway
- P-10-28 Quantitative methylation analysis of LINC01869 for colorectal cancer diagnosis**
Mitsuaki NISHIOKA, Yuki KUNIMUNE, Akiyo ISHIGURO
Yamaguchi University Hospital

- P-10-30 Haplotype selection improves chimerism quantification accuracy**
Wakaba IHA, Shohei SHIGETO
Department of Laboratory Medicine, Shinshu University Hospital
- P-10-32 Relationship Between Mutant Ataxin-3 Protein and Mitophagy in SCA3 Patients**
Yu-Chun Lin, Yu-Hsiang Hsiung, Shih-Yun Wei, Hui-Fang Tsai
Chung Shan Medical University
- P-10-33 The neuroprotective effect of Caffeic acid phenethyl ester on SCA3**
Yu-Hsiang Hsiung, Chia-Zong Wu, Shih-Yun Wei, Yu-Chun Lin, Hui-Fang Tsai
Chung Shan Medical University
- P-10-34 Evaluation of miRNA Enhance Buffer for Improving microRNA Recovery Efficiency**
Azumi Naruse¹, Arizumi Kikuchi¹, Shizuku Ueno¹, Kimiaki Takagi², Kenichi Nonaka³
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3 Daiyukai General Hospital, Department of Surgery
- P-10-35 Polyamine-Based Nucleic Acid Recovery Method Application to Liquid Biopsy and Methodological Development**
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4 Bioscience and Biotechnology, Chubu Univ.
- P-10-36 xCT expression in astrocytes on glutamate metabolism under hypoxic environment**
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3 Dept. of Clinical Lab. and Transfusion, Fukuoka Univ. Hosp.
- P-10-37 Splicing Analysis of Novel *PROS1* Variant in Protein S Deficiency**
Rizumu Kakizawa¹, Ayano Saiki¹, Satomi Nagaya¹, Yuki Kubo¹, Ibuki Yasuda¹, Momoka Hayase¹, Yurika Yamaguchi¹, Eriko Morishita²
1 Kanazawa Univ.
2 Kanazawa Univ. Hosp. Hematology
- P-10-38 The expression of stress-related mitochondrial non-coding RNA in hair shaft**
Ammi Shinnyama, Hiromichi Shiotsu, Hiroshi Shigeto
Div of medical technology, Dept of Health Sciences, Faculty of Medical Sciences, Kyushu Univ

Others1 (Physiology)

- P-11-a-1 Developing a Framework for Cognitive Age Estimation. Using Multidomain Cognitive Scores.**
Masafumi KATAYAMA, Shunsuke FUNAKOSHI
Junshin Gakuen University

P-11-a-2 Development of a real-time neurofeedback analysis method using magnetoencephalography.

Kazuhiro Yagi¹, Hiroki Tamura²

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² Faculty of Engineering Miyazaki Univ.

P-11-a-3 Motor function assessment using second lumbrical CMAP in CTS

Keita NISHIWAKI, Fuuki SUGIOKA, Yuu ISOMURA, Keitarou ITOU, Kenji INOUE, Yuudai SUZUKI, Eiji ITOU, Takeshi OOSHIMA

Department of Clinical Laboratory and Pathology, Kariya Toyota General Hospital, Japan

**P-11-a-4 Changes in Body Composition and the Cardio-Ankle Vascular Index
A Longitudinal Study in Children**

Yuko HORIKOSHI¹, Riku YAMAGUCHI¹, Rie HIRATA¹, Toa KOTANI¹, Takumu WATANABE¹, Eri TAKAHASHI², Yasuaki KUSUMOTO², Akiomi YOSHIHISA³

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**P-11-a-5 Ictal Dynamics on Wide-Band Electroencephalography in Childhood Absence Epilepsy
Direct current shifts and high-frequency oscillations as candidate biomarkers of preictal-to-ictal transition**

Keisuke MAEDA¹, Shunta YAMAGUCHI¹, Himari TSUBOI², Keisuke OSAKABE¹, Keiko SUGIMOTO³, Naohiro ICHINO¹

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P-11-a-6 Validity of Smart Ring-Derived Sleep Parameters Compared With Electroencephalography

Rie HIRATA¹, Midori YOSHIOKA¹, Rina ITO¹, Miho IWAKURA¹, Toa KOTANI¹, Takumu WATANABE¹, Yuko HORIKOSHI¹, Akiomi YOSHIHISA²

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P-11-a-7 Development of a New Predictive Index for Carotid Plaque

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P-11-a-8 Segmental beta response evaluation is beneficial for assessing arterial stiffness

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**P-11-a-9 EEG Sleep Variability and Depressive Symptoms
Wearable-Based Assessment in Japanese Workers**

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Masashi IKEDA¹

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P-11-a-10 Association Between Sleep Restfulness and Smart Ring Derived Sleep Parameters

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Cardiovascular Medicine, Fukushima Medical Univ.

P-11-a-11 Felt Inversion After Aortic Arch Replacement

A Rare Cause of Mechanical Hemolytic Anemia Diagnosed by Echocardiography

Airi Ito¹, Ayako Sekine¹, Haruka Kato¹, Motohiro Nakamura¹, Ryosuke Kikuchi¹, Masayuki Sato²,
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P-11-a-12 Evaluation of respiratory muscles in patients with Duchenne muscular dystrophy

Masayoshi OGURI¹, Katsunori TATARA², Wataru JINNAI³, Yukihiro KONISHI³, Gen-ichi UETSUKI⁴,
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P-11-a-13 Telemedicine-Assisted EEG Simulation for Legal Brain Death Determination

Ako ITO¹, Kenji HAYASHI², Yoshinori KAKINO³, Mayumi FURUTA⁴, Ayae TAKADA¹,
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4 Division of Clinical laboratory, Tokai Central Hospital

P-11-a-14 Invasive EEG versus Stereo-EEG for Epileptogenic Zone Localization

A Comparative Analysis of Invasive Monitoring Techniques in Presurgical Epilepsy Evaluation

Park Jinwoo

Neurology Lap. Samsung Medical Center, Seoul Korea

P-11-a-15 Cross-sectional area of the tibial and fibular nerves using ultrasound

Investigation of reference values and evaluation of reproducibility

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P-11-a-16 Clinical and Sonographic Features Differentiating ICPN from Gallbladder Carcinoma

Keisuke OSAKABE¹, Hiroko SUGIYAMA², Yutaka SASAKI², Yuusuke SANO², Keisuke MAEDA¹,
Eizaburo OHNO³, Naohiro ICHINO¹

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**P-11-a-17 Wide-Band Scalp Electroencephalography Analysis in Infantile Epileptic Spasms Syndrome
Analysis of ictal direct current shifts during a seizure cluster of spasms**

Shunta Yamaguchi¹, Keisuke MAEDA², Himari TSUBOI³, Keisuke OSAKABE², Keiko SUGIMOTO⁴,
Naohiro ICHINO²

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P-11-a-18 EEG in Neuro emergencies : Role of Biomedical Laboratory Scientists

Shizuka TAKANO, Aya KOBASHI, Nao KAWADA, Takashi HIROUCHI

Kochi Red Cross hospital

P-11-a-19 The relationship between tinnitus pitch and hearing loss.

Tomoko TABUKI¹, Kazuhiko KUBO¹, Ayumi SAKATA², Takashi NAKAGAWA¹

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P-11-a-20 The reliability of Ultrasound measurements in Knee Tendon Thickness

Effect of Measurement Distance from Tendon Insertion

Ryota Matsuoka¹, Yuta Umeda², Masahiro Suzuki², Yuna Takagi², Masami Niwa²,

Tsuneo Watanabe¹

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P-11-a-21 Exclusion marker of pulmonary embolism on transthoracic echocardiogram.

Junko SAWANO, Yukiharu KAWANO², Takuya YASUTAKE², Chie NUNOKAWA², Toki MITOMA²,
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P-11-a-22 Maximizing Biomedical Laboratory Scientists' Value

Phase-Free Activities for Preventing Disaster-Related and Sudden Deaths

Yuma Hiramatsu

Hourai Medech Inc.

P-11-a-23 Home-based sleep EEG assessment of exercise effects in young women

Effects of resistance exercise during the luteal phase

Momo FUSHIMI¹, Ryuusei IJIMA¹, Shiori NOGUCHI², Sayaka ARITAKE³

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P-11-a-24 Embolic Events and Clinical Echocardiographic Findings in Cardiac Myxoma Patients
 Maya ISHIGUMA, Toshiharu UMEKI, Yosuke NABESHIMA, Eijiro NOGAMI, Megumi OHO,
 Keiji KAMOHARA, Hidenobu SOEJIMA
 Saga University Hospital

P-11-a-25 Vascular Function and Subjective Sleep Characteristics in Young Adults
Sex Differences in Sleep-Vascular Associations
 Misaki Ogata, Yumi Arai, Momo Fushimi, Sayaka Aritake
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P-11-a-26 Vascular Function and Sleep EEG Architecture in Women
Comparisons Between Young Adult and Menopausal Women
 Yumi Arai, Misaki Ogata, Momo Fushimi, Sayaka Aritake-Okada
 Graduate School of Health Sciences and Social Work, Saitama Prefectural University, Koshigaya, Japan

Others2 (Miscellaneous))

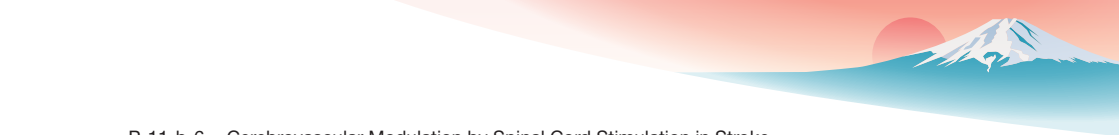
P-11-b-1 Tableau Monitoring Optimizes Blood Draw for Rehabilitation Bus Patients
 CHING CHAO LIANG, Chin Chao Liang, Yi Pen Chin, Mu Ching Hsueh, Hsu Han Chien,
 Chin Yi Chien
 Kaohsiung Municipal Siaogang Hospital

P-11-b-2 Healthcare Needs Assessment in Uzbekistan
Preliminary field survey for future laboratory collaboration
 Yousuke TAJIKA¹, Mukhtorov Doston², Takahiro Miyakoshi²
 1 Dept. of Pathology, Univ. of Toyama Hosp.
 2 Miyakoshi Co., Ltd.

P-11-b-3 Application of Artificial Intelligence in Preanalytical Phase of Clinical Laboratory
Promoting Quality Assurance Stewardship
 Saheed Oladele Amusat
 Directorate of Laboratory Medicine, Chemical Pathology Dept, Beaumont Hospital, Dublin, Republic of Ireland

P-11-b-4 Multidisciplinary CKD Intervention Triggered by Laboratory Data Extraction
Role of Medical Laboratory Technologists in Early Dialysis Prevention
 Shunsuke HARADA¹, Eri HOSHII², Hiroaki ASADA³
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 2 Department of Nursing, Okazaki City Hospital
 3 Department of Nephrology, Okazaki City Hospital

P-11-b-5 Human Factors Redesign Improves Laboratory Workflow Efficiency
Enhancing Risk Management and Patient Safety in High-Volume Health Screenings
 Yu-Shan Chang, Ci-Meng Wang
 Department of Laboratory Medicine, E-DA Hospital, Kaohsiung, Taiwan

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- P-11-b-6 Cerebrovascular Modulation by Spinal Cord Stimulation in Stroke Insights into Perfusion Dynamics and Recovery in a Mouse Model**
Hsing-Hui Su¹, Chung-Hsin Lee², Li-Sung Hsu³, Shiang-Suo Huang⁴
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2 Department of Neurosurgery, Neurological Institute, Taichung Veterans General Hospital, Taichung, Taiwan
3 Institute of Medicine, Chung Shan Medical University, Taichung, Taiwan
4 Department of Pharmacology, Chung Shan Medical University, Taichung, Taiwan
- P-11-b-7 Progress of Task Shifting and Sharing Among Medical Technologists A Multi-Institutional Survey Following the 2024 Work-Style Reform in Tama, Tokyo**
Hiroyuki HAYASHI
- P-11-b-8 Mitochondrial adaptation mechanisms regulated by caveolin-1 C-terminal region Toward molecular markers for assessing atherosclerotic plaque vulnerability**
Yuko Kato¹, Daisuke Shimura², Hiroshi Shiraishi³, Toshikatsu Hanada⁴, Hemal H Patel⁵
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2 Waseda Inst. for Advanced Study, Waseda Univ.
3 Dept. of Biomolecular Sciences, Saga Univ. Faculty of Medicine
4 Dept. of Biochemistry and Molecular Genetics, Oita Univ. Faculty of Medicine
5 Dept. of Anesthesiology, Univ. of California San Diego and Veterans Affairs San Diego Healthcare System
- P-11-b-9 Insights into Internal Quality Control in Veterinary Biochemistry Using Chiritrol**
Yudai WATANABE¹, Chie TANAKA², Rie TSUBOUCHI², Noboru FUJITANI², Akhisa HATA²
1 Department of Laboratory, Katori Omigawa Medical Center, Chiba, Japan
2 Biomedical Science Examination and Research Center, Okayama University of Science, Ehime, Japan
- P-11-b-10 Multidimensional Sleep Characteristics and Arterial Stiffness in Older Adults**
Takumu WATANABE¹, Yuko HORIKOSHI², Rie SAKURABA-HIRATA², Toa KOTANI¹, Akiomi YOSHIHISA³
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2 Department of Clinical Laboratory Sciences, Fukushima Medical University School of Health Sciences, Fukushima, Japan
3 2) + Department of Cardiovascular Medicine, Fukushima Medical University School of Medicine, Fukushima, Japan
- P-11-b-11 TLA Improves TAT and Workflow Efficiency Under High-Demand Emergency Conditions**
ChiehMei Li, Chin-Wei Tseng, Jia-Bin Liao
Department of Pathology and Laboratory Medicine, Kaohsiung Veterans General Hospital
- P-11-b-12 Automated Reagent Expiry Warning System Improving management efficiency in clinical biochemistry laboratories**
Li Pei Shan, Chang Chih Ning, Sung Yi-Hung, Chen Po-Chih
Kaohsiung Medical University Chung-Ho Memorial Hospital
- P-11-b-13 Multilingual Audio Vision Testing System Enhancing communication in driver license vision examinations**
Li Pei Shan, Chang Chih Ning, Sung Yi-Hung, Chen Po-Chih
Kaohsiung Medical University Chung-Ho Memorial Hospital

- P-11-b-14 Meeting Patient Expectations: A Survey for Enhancing Blood Collection Services**
Powen Cheng¹, Chingyen Huang¹, Shuwen Chou¹, Yhsuan Chen¹, Fanglan Shih¹,
Yungtung Hung¹, Wenyen Lo¹, Shengtsung Chang²
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2 Department of Pathology, Chi-Mei Medical Center; Department of Nursing, National Tainan Institute of Nursing
- P-11-b-15 AI-Driven Intelligent Document Processing in Laboratory Medicine**
Transforming ISO 15189 Documents into Standardized Patient-Readable Information Sheets
Chieh-Tien Wang¹, Chia-Jung Chen²
1 Department of Clinical Pathology, Chi Mei Medical Center, Tainan, Taiwan
2 Department of Information Systems, Chi Mei Medical Center, Tainan, Taiwan
- P-11-b-16 Reliable POCT: Risk Defense and Smart Monitoring**
A PDCA-Based Model for Enhancing Patient Safety and Clinical Quality
Yuhan Yeh¹, Yuehchen Hsieh¹, Hsinhuang Lin², Tzuchi Li³, Huiling Lee³
1 Department of laboratory medicine, National Taiwan University Hospital Yunlin Branch
2 Department of Biomedical Engineering, National Taiwan University Hospital Yunlin Branch
3 Department of Nursing, National Taiwan University Hospital Yunlin Branch
- P-11-b-17 Optimizing Cross-Departmental Administrative Efficiency via Knowledge Management**
A SharePoint-based Approach in a Clinical Laboratory
Chih-tun Teng¹, Yi-Chih Chang², Chih-Hui Qi³, Wan-Lin Tseng⁴, Kuo Chiung-hui⁵
1 Dept. MLS, Taitung Christian Hosp. Taitung, Taiwan
2 Dept. MLSB, Asia Univ
3 Chung Hwa Univ. Med. Technol
4 NTUH-HCB, Biomedical Park Hospital
5 NTUH Bei-Hu Branch
- P-11-b-18 Utility Evaluation of Dedicated On-site Pre-Analytical Laboratory in Clinical Trials**
Reducing pre-analytical errors and improving research outcomes by implementing specialized on-site sample handling units
Sumangaladevi Ratnaiyah
Oslo myeloma center, Department of Hematology, Oslo university hospital
- P-11-b-19 Establishing progastrin-releasing peptide cut-off in lymph node biopsies**
Claudia Juliana Duran Rios¹, Rolf Anton Klaasen²
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2 Oslo University Hospital
- P-11-b-20 Incremental learning framework for adapting shared blood sampling prediction models**
A cross-institutional framework for efficient model adaptation and deployment
Rin YOKOYAMA¹, Takahito ARAI¹, Hidekazu ISHIDA², Rina ICHIOKA², Hiroyuki OKURA²,
Ryosuke KIKUCHI², Naoyuki YOSHIKAWA¹, Makoto KURANO¹
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- P-11-b-21 Process-based Analysis of Endoscopy Room Workflow**
Impact of Endoscopist Experience, Assistant Competency, and Patient Age
NORIATSU IMAMURA
Tokyo Shinagawa Hospital

P-11-b-22 Obesity and Hyperlipidaemia Correlation with Chronic Chlorpyrifos Exposure Workers
Correlation Analysis of Obesity and Hyperlipidaemia with Long-Term Chlorpyrifos Exposure in Pest Control Workers

Preety Rana, Swati Sharma, D S Arya, Ajay G Potnuri, Jyoti
All India Institute of Medical Sciences , New Delhi, India

P-11-b-23 Impact of Missing Data in Real-World Data Analysis
An Example Using Risk Factors for Anemia

Masato IWAMI, Yoshihiro MIZOGUCHI, Momoka NANRI, Manaki SUKIZAKI, Jun'ichi SATANI,
Ryouta FUCHINO, Daisuke UNO
Kyushu Central Hospital, Japan Public School Mutual Aid Association

P-11-b-24 Verifying Third-Party Control Materials for Hormone and Tumor Marker Testing
Comparative evaluation with dedicated controls using patient R-values from the even check method

Masaya TACHIKAWA, Hidekazu ISHIDA, Ayumu KANBE, Yuta YOKOBORI, Akari USHIMARU,
Soma YOSHIZAWA, Yohei SHIRAKAMI, Ryosuke KIKUCHI

P-11-b-25 Borrelia burgdorferi detection in Iceland
Detection of Borrelia burgdorferi (s.l.) in Ixodes ricinus ticks collected in Iceland

Heida Sigurdardottir¹, Matthias Alfredsson², Kayleigh Hansford³, Daniel Carter⁴,
Thorunn Bjornsdottir¹, Hrolfur Smari Petursson¹, Gudny Palsdottir¹, Jolyon Medlock³
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2 Natural Science Institute of Iceland
3 Medical Entomology group, UK Health Security Agency
4 Genomics of Rare and Emerging Human Pathogens Department, UK Health Security Agency

P-11-b-26 Avian Influenza screening in Iceland

Heida Sigurdardottir, Vilhjalmur Svansson, Stefan Ragnar Jonsson, Olof Gudrun Sigurdardottir
Institute for Experimental Pathology at Keldur

P-11-b-27 Vitamin-D status and metabolic risk markers in Icelandic youth
A longitudinal cohort study

Victoria Rafdal
Hoyskolen paa Vestlandet

P-11-b-28 Data-driven management of outpatient blood collection crowding
Integrating AI prediction with clinical capability

Rina ICHIOKA¹, Hidekazu ISHIDA¹, Rin YOKOYAMA², Takahito ARAI², Naoyuki YOSHIKAWA²,
Makoto KURANO², Hiroyuki OKURA¹, Ryosuke KIKUCHI¹
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P-11-b-29 Advancing Efficiency and Safety in RIA via Fully Automated Instruments

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P-11-b-30 MAP-Derived Compounds: Animal Studies to Human Pathological Insights
Translational Pathological Assessment of MAP-Derived Compounds from Animal Models to Human Health
 Kumar Anil Maurya
 CSIR-CIMAP, INDIA

P-11-b-31 Unmasking Occult CKD via Selective Cystatin C Testing
An Interpretable Routine Data Model for Prioritized Detection Under Resource Constrains
 Hidekazu ISHIDA¹, Yohei SHIRAKAMI², Takatomo WATANABE³, Hiroyuki OKURA³,
 Yoshinari YASUDA⁴, Ryosuke KIKUCHI
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 3 Dept. of Cardiology, Gifu University Graduate School of Medicine
 4 Dept. of Advanced Science in Renal-Cardio Medicine/Nephrology, Gifu University Graduate School of Medicine

P-11-b-32 Roles and Duties of medical technologists in the Emergency Department
A Report on Task-Shifting Implementation
 Hironori WATANABE¹, Ken KOBAYASHI¹, Satoshi SHIRAI¹, Yoshitaka YAMAGUCHI²
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 2 Department of Medical Technology and Sciences School of Health Sciences at Narita International University of Health and Welfare

P-11-b-33 ChA induces ROS-mediated apoptosis via HAS in HCC cells
Apoptotic effects of ChA via the ROS/HAS axis in HCC cells
 Hui-Ling Chiou¹, Zi-Xian Yang², Yi-Hsien Hsieh²
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 2 Institute of Medicine, Chung Shan Medical University

P-11-b-34 Occupation-specific burnout pathways among Korean healthcare workers
Moderated mediation through job satisfaction using Korea Veterans Health Service data
 Yo-Han Seo, Yo-Han Seo
 Gwangju Veterans Hospital, Korea Veterans Health Service

P-11-b-35 Enhancing Clinical Laboratory Internship Training Through an Intelligent Learning System
Application to Sperm Counting and Morphological Analysis in Microscopic Examination
 Ming-Shu Chen¹, Chung-Chih Hung², Tsou-Chi Chen³
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 2 Department of Laboratory Medicine, Taipei Hospital, Ministry of Health and Welfare
 3 Department of Health Promotion and Health Education, National Taiwan Normal University

P-11-b-36 The Ethics Game
Exploring Ethical Awareness Through Guided Group Reflection
 Ethel Christina Matheson Maeland¹, E.Christina M.Maeland¹, Margrete Tennfjord²
 1 Stavanger University Hospital
 2 The Norwegian Inst. of Biomedical Science

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- P-11-b-37 Menstrual blood stem cells in wound healing**
Comparison of regeneration of stem cells derived from women with and without premenstrual syndrome
 claudia wildom, Tamara Franculovic
 University of applied sciences campus vienna
- P-11-b-38 Antrodia cinnamomea Inhibits Liver Fibrosis**
Modulating HIF-1/2-TWIST-BMI1 Signaling and EMT in TGF-beta1 Induced Fibrosis
 Tai An Chiang¹, Ya Fang Huang², Zhao Ming Pan¹, Yi Shan Chiang¹, Pei Fen Wu³, Shi Hao Dai⁴
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 2 Department of Clinical Laboratory, Pingtung Christian Hospital, Pingtung, Taiwan
 3 Department of Environmental Science and Occupational Safety and Hygiene, Tajen University
 4 Department of Internal Medicine, Kaohsiung Veterans General Hospital, Tainan Branch
- P-11-b-39 Antrodia cinnamomea Extract Regulates EMT in Liver Fibrosis**
HIF-1/2-TWIST-BMI1 Axis in Liver Fibrosis Reversal Mechanisms
 Tai An Chiang¹, Ya Fang Huang², Zhao Ming Pan¹, Yi Shan Chiang³, Pei Fen Wu⁴, Shi Hao Dai⁵
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 4 Department of Environmental Science and Occupational Safety and Hygiene, Tajen University
 5 Department of Internal Medicine, Kaohsiung Veterans General Hospital, Tainan Branch
- P-11-b-40 Reusable Strap System Reducing Phlebotomy Waste and Enhancing Safety**
A governed reusable strap loan model improving safety and reducing phlebotomy waste
 CHUANCHI CHAN
 Taipei Tzu Chi Hospital , Buddhist Tzu Chi Medicine Foundation
- P-11-b-41 Employer Branding in Generational Change**
An Analysis of Expectations in Biomedical Analytics in Austria
 Raphaela Dragosits-Bauer
 University of Applied Sciences Vienna
- P-11-b-42 Automation of the decantation step in density gradient PBMC isolation**
Comparative evaluation of PBMCs isolated by automated and manual decanting
 Yoshiaki Sakamoto¹, Tomoyuki Yoshida¹, Makoto Jinno²
 1 H.U. Group Research Institute G.K.
 2 School of Science and Engineering, Kokushikan University
- P-11-b-43 Basic Analytical Performance Evaluation of HISCL HIT IgG Assay Kit**
Using Automated Blood Coagulation Analyzer CN-6500
 Osamu Shibahara, Toru Mimura, Akiyo Kawamoto, Kiyoko Kohama, Kazuyasu Konko, Tasuku Sakayori, Akiko Hirai, Tatsuya Satomoto
 Sysmex corporation
- P-11-b-44 Patient Involvement in Research: From Strategy to Practice**
Biomedical Laboratory Scientist Bridging Patients and Research Partnerships
 Tanja Wurtz Jorgensen
 Department of Pathology, Odense university Hospital, Denmark

P-11-b-45 Barriers and Motivators for Research among Biomedical Laboratory Scientists A Mixed-method Study in a Danish Pathology Department

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P-11-b-46 Intelligent A-E Tier Laboratory Inventory Platform: In-House Development

Tz Jain Ni

An Nan Hospital, China Medical University, Tainan, Taiwan

P-11-b-47 The evolving role of Biomedical Laboratory Scientists in digital transformation A new framework for competences and practice

Fernando Mendes¹, Monica Curado², Joao Matos³, Joao Vale⁴, Raquel Graca-Lopes⁵,
Diana Martins⁶

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⁵ Dept. of Pathology, Champalimaud Found., Lisboa, PT; BioMedLab, Calvaria de Cima, PT

⁶ Polytechnic Univ. Coimbra, Coimbra Health School (ESTeSC), Coimbra, PT; H&TRC, ESTeSC, Coimbra, PT; ICBR CIMAGO, Univ. Coimbra, Coimbra, PT; Ctr. for Innovative Biomedicine and Biotechnology, Univ. Coimbra, Coimbra, PT; BioMedLab, Calvaria de Cima, PT

P-11-b-48 Reusable Straps Reduce Phlebotomy Waste and Improve Safety

CHUANCHI CHAN¹, Chih-Pei Lin²

¹ Dept. of Laboratory Medicine, Taipei Tzu Chi Hosp., Taiwan

² Taipei Tzu Chi Hospital

P-11-b-49 DENND1A rs2479106 Variant and PCOS Phenotypes in Filipinos

Jason Dominic. Rondina, John Angelo Corales, Sean Kenji Duenas, Princess Allysa Pacubas,

Jonell Ponce, Darwin See

Univ. of Santo Tomas, Faculty of Pharmacy, Dept. of Medical Technology

P-11-b-50 Knowledge, Attitudes, and Perceptions of Medical Technologists Toward Laboratory AI AI Adoption Among Medical Technologists in University-Affiliated Clinical Laboratories in Metro Manila

Janiah Ysabel Yee, Victoria Jane A. Saldua, Precious Gene C. Serna, Carl Yusef J. Tubig,

Ayesha Renee A. Villanueva, Canellie P. Canlas-Ocsona, Clarenz Sarit M. Concepcion,

Richmon R. Cuatico

University of Santo Tomas - Faculty of Pharmacy

P-11-b-51 An Innovative POCT Integration Strategy for Institution-Level Management

Mei-Hui Lee¹, Shu-Hua Lee¹, Hsueh-Hui Lee¹, Wen-Zhen Wang²

¹ Department of Laboratory Medicine, Kuang Tien General Hospital, Taichung, Taiwan

² Department of Information Technology, Kuang Tien General Hospital, Taichung, Taiwan

- 
- P-11-b-52 CAR-T Therapy Complication in lymphoma patients in Taiwan
Standardized Monitoring and Clinical Outcomes in 14 DLBCL Cases**
SZU YING, YANG, Sz Ying Yang, Kuan Der Lee, Hui En Tzeng, Yu Hsuan Shih, Pi-Hua Chang
Taichung Veterans General Hospital
- P-11-b-53 The Performance of Plasma Neurodegenerative Biomarkers in Taiwanese Screening population.
Using the ultrasensitive ImmunoMagnetic Reduction(IMR) method to provides real-world distribution data**
Li-Ching Wu¹, Tzi-Peng Yang²
1 Center of Precision Medicine, Chi Mei Medical Center, Tainan City 710402, Taiwan
2 JW Diagnostics Inc. New Taipei City 235029, Taiwan
- P-11-b-54 Exploration of Serum miRNA Associated with Early Fibrosis in MASH**
Kana MATSUMOTO, Mitsuru CHIBA
Department of Bioscience and Laboratory Medicine, Graduate School of Health Sciences, Hirosaki University
- P-11-b-55 From the Blood to the Brain
Development of Novel Human Brain Organoid-on-Chips from PBMCs of Thai Children**
Asst.Prof. Tewarit Sarachana¹, Krittarook Sangsuppamit², Timthong Dachkaew²,
Parames Pensakul², Chanikan Bunsupa², Chaya Vetiwutajan², Salisa Jungvudklang²
1 Chulalongkorn Autism Research and Innovation Center of Excellence (ChulaACE), Faculty of Allied Health Science, Chulalongkorn University
2 The Bachelor of Science Program in Medical Technology, Faculty of Allied Health Sciences, Chulalongkorn University
- P-11-b-56 Optimizing Outpatient Phlebotomy Through Precision Capacity Management
A data driven laboratory quality improvement project in a tertiary medical center**
YUAN, LI-PING, LIU, YU-JIA, LIN, YI-FANG, HUANG, YU-TING, HSIEH, WAN-TING, TSAI, YIN-TAI
Department of Medical Laboratory, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare, New taipei city, Taiwan
- P-11-b-57 Post-Transcriptional Cyclin E Regulation by FIRdExon2 in ESCC**
Mayuko Hashimoto¹, Kouichiro Okada¹, Takeshi Toyozumi¹, Sho Hirano¹, Yoshitaka Yamaguchi², Kenji Kawasaki³, Kazuyuki Matushita³, Michihiro Maruyama¹
1 Department of Frontier Surgery, Chiba University Graduate School of Medicine
2 Medical Technology and Sciences, IUHW
3 Division of Clinical Laboratory, Chiba University Hospital
- P-11-b-58 Improvement of Laboratory Workflow Efficiency Using the Atellica Sealer**
Natsuki UEMATSU, Katsuya HIROOKA, Yui TOYODA, Ayane SODEKAWA, Dai KOYANO, Keita NISHIGUCHI, Shiori HASEGAWA, Hisanobu KOBATA
- P-11-b-59 Two Clocks, one laboratory: Rethinking turnaround time**
Anne Hancke
Department of Medical Biochemistry, Oslo University Hospital, Norway

- P-11-b-60 AI-Assisted Automated Human Papillomavirus Report Generation System
Improving Laboratory Reporting Efficiency Through Automated Workflow Integration**
Liu Yu Jia
Department of Medical Laboratory, Taipei Medical University-Shuang Ho Hospital, Ministry of Health and Welfare,
New Taipei City, Taiwan
- P-11-b-61 Management Analysis of Hyper-Critical Laboratory Values
A Patient-Centered Investigation into Clinical Timeliness and Safety Outcomes**
Yi-Chang Tsai, Kuan-Chih Wu
Department of Medical Laboratory, Nantou Hospital, Ministry of Health and Welfare, Nantou County 540234,
Taiwan
- P-11-b-62 Prevalence of Hookworm Infection in Fecal Samples of Stray Dogs
from a Public Pound and Selected Private Animal Welfare Organizations in Quezon City,
Philippines**
Reizhelle Eirsea P. Santos, Vivian G. Villegas, Gregorio Martin
University of Santo Tomas, Manila, Philippines
- P-11-b-63 Building High-Reliability Laboratories: ISO 15189 vs CAP Accreditation
Strategic Integration of Quality Governance in Multi-Tiered Healthcare Systems**
Yu-Ling Huang, Chia-Ni Lin
Department of Laboratory Medicine, Linkou Chang Gung Memorial Hospital, Taoyuan, Taiwan
- P-11-b-64 Evaluation of walk-in cool room control measures for auditing:
compliance practicalities for the Australian Standard AS ISO 15189:2023 accredited medical
laboratory**
Dennis Mok¹, Naira Eloyan², Sabella Westcott¹, Karlah Norkunas¹, Rana Nabulsi³,
Sharfuddin Chowdhury⁴, Mohd Nazil Salleh⁵
1 Faculty of Health, Southern Cross Univ., Australia
2 Armenian Medicinal Products Regulatory Authority, Armenia
3 Dubai Health, United Arab Emirates
4 Mater Misericordiae Univ. Hospital, Ireland
5 Univ. College of MAIWP International, Malaysia
- P-11-b-65 Repurposing Furosemide for Acute Myeloid Leukemia Treatment
Evidence from Clinical Observations and In Vitro Molecular Mechanisms**
Ju-Shan Yu¹, Ming-Chang Hsieh², Fang-Hsuan Chang³, Yu-Wei Chang³
1 Cytogenetics Laboratory of Chung Shan Medical University Hospital, Taichung, Taiwan
2 Department of Clinical Laboratory, Chung Shan Medical University Hospital
3 Department of Medical Laboratory and Biotechnology, Chung Shan Medical University
- P-11-b-66 Misidentification in Leukocyte Differential Counts
-Analysis Using Logistic Mixed-Effects Modeling-**
Yui NAMIKAWA, Mareki OOTSUJI, Tomomi SHIMIZU, Yo KODERA
Faculty of Biomedical Engineering, Toin University of Yokohama, Kanagawa, Japan
- P-11-b-67 Effects of Dietary NaCl Levels on Experimental Ulcerative Colitis Severity**
Kaito Yamamoto, Yugo Taoka, Kohki Okada
Kyoto Tachibana University graduate school of health sciences

- P-11-b-68 Evaluating a Machine Learning Model for Patient Specimen Mix-ups**
 Kaede SUGIMURA¹, Shigeharu OKADA², Yukinari OOTSUKA¹, Chizuka KUWABARA¹,
 Kanae KUMAGAI¹
 1 Koshigaya Municipal Hospital
 2 Saitama Prefectural University
- P-11-b-70 Characterization of a novel factor X variant, c.163dup**
 Marie Skogstad Le¹, Malu Hestdalen², Marit Hellum¹, Marit Sletten³, Nina Iversen³,
 Hilde T. Hilmarsen⁴, Geir Tjonnfjord², Carola E Henriksson⁵
 1 Dept. of Medical Biochemistry, Oslo University Hospital HF, Oslo, Norway
 2 Dept. of Hematology, University of Oslo, Oslo, Norway
 3 Dept. of Medical Genetics, Oslo University Hospital HF and University of Oslo, Oslo, Norway
 4 Dept. of Medical Genetics, Telemark Hospital Trust, Skien, Norway.
 5 Institute of Clinical Medicine, University of Oslo, Oslo, Norway
- P-11-b-71 Operational Evaluation of Blood Gas Analyzers Using Analytics**
 Yuki Nouchi, Akinori Nagata, Mina Saito, Kei Sato, Noriyasu Niizeki, Keita Yamashita
 Department of Laboratory Medicine, Hamamatsu University School of Medicine
- P-11-b-72 Identification of ISO 35001:2019 requirements for medical laboratory internal auditing**
 Dennis Mok¹, Naira Eloyan², Janelle Christoff-Tzazaroff³, Sabella Westcott¹, Rana Nabulsi⁴,
 Sharfuddin Chowdhury⁵, Karlah Norkunas¹
 1 Faculty of Health, Southern Cross Univ., Australia
 2 Armenian Medicinal Products Regulatory Authority, Armenia
 3 Griffith Univ., Australia
 4 Dubai Health, United Arab Emirates
 5 Mater Misericordiae Univ. Hospital, Ireland
- P-11-b-73 Evaluation of the Effects of Pin1 Inhibition in ESCC**
 Sho Hirano¹, Nobutomi Sekino¹, Takeshi Toyoizumi¹, Mayuko Hashimoto¹, Kenji Kawasaki²,
 Kazuyuki Matsushita², Michihiro Maruyama¹
 1 Department of Frontier Surgery, Graduate School of Medicine, Chiba University
 2 Department of Laboratory Medicine, Chiba University Hospital
- P-11-b-74 Identification of ISO 15189:2022 requirements for medical laboratory internal auditing**
 Dennis Mok¹, Naira Eloyan², Sabella Westcott¹, Karlah Norkunas¹, Rana Nabulsi³,
 Sharfuddin Chowdhury⁴, Mohd Nazil Salleh⁵
 1 Faculty of Health, Southern Cross Univ., Australia
 2 Armenian Medicinal Products Regulatory Authority, Armenia
 3 Dubai Health, United Arab Emirates
 4 Mater Misericordiae Univ. Hospital, Ireland
 5 Univ. College of MAIWP International, Malaysia
- P-11-b-75 Automated LOINC Mapping System Combining LLM and Official API**
 Szu-Chun Chen, Tz-Jain Ni
 An Nan Hospital, China Medical University, Tainan, Taiwan
- P-11-b-76 Diagnostic Support System for Pre-Chemotherapy Hematologic Toxicities**
 Automated Detection and Multidisciplinary Notification of Severe Cytopenia
 Yousuke SASAKI, Ken SUZUKI, Akira ISHIIHARA, Akito IKUMA, Keiko MIYAZAKI,
 Kentarou NAODA
 Department of Clinical Laboratory, Seirei Hamamatsu General Hospital

P-11-b-77 Effect of Water Intake on Venous Dilatation with Tourniquet Application

Ibuki Tamura¹, Ibuki Tamura¹, Daisuke SAKONISHI², Atsushi SHUKURI², Yuriko KURIHARA¹

¹ Graduate School of Clinical Technology, Tokyo University of Technology

² School of Health Sciences, Tokyo University of Technology

P-11-b-78 CRP and Leukocyte Correlations After COVID-19 Infection

CHUN KUN LIU, Chuan Po Lee, Yi Yun Chen, Hsiang Ling Ho

Department of Pathology and Laboratory Medicine, Taipei Veterans General Hospital, Taipei City, Taiwan

P-11-b-79 Optimizing Ward Non-Urgent Testing Time via PDCA and ESG

Ching-Mei Cheng, Hsieh Ya-nien, Wei-Chi Tsai, Yi-Ping Chen, Hsiu-hua Huang, Chiung-Ju Chen, Ching-Chao Liang,

Department of Laboratory Medicine Kaohsiung Municipal Siaogang Hospital, Kaohsiung Medical University

P-11-b-80 The Spatiotemporal and Geospatial Evolution of Cholera in the Philippines A 12-Year Visual Analysis of Endemic Footprints (2014 - 2025)

Nathaniel Magtibay, Antonio Miguel Agtay, Trisha Theryze Gullunan, Lyra Angela Labog,

Angel Kristel Anne Palapus, Julius Eleazar Jose

Department of Medical Technology, Faculty of Pharmacy, University of Santo Tomas

P-11-b-81 ISO/IEC 17024 Accreditation for Medical Lab Specialists

Taiwan's Experience in Competence Certification for Medical Technologists

YU YA-YEN¹, Lee Ming-Shih², Tsao Kuo-Chein³, Sung Yu-Ling⁴

¹ Taiwan Society of Laboratory Medicine, Changhua Hospital, MOHW

² Taiwan Society of Laboratory Medicine, Chung Shan Medical University

³ Taiwan Society of Laboratory Medicine, Linkou Chang Gung Memorial Hospital

⁴ Taiwan Society of Laboratory Medicine

P-11-b-82 Improving TSH Turnaround Time

Implementation of an In-House Cmia System in Critical Care

TSAI YU CHEN

Dept. of Clinical Pathology, Chi Mei Hospital Liouying, Taiwan

P-11-b-83 Expanding the Role of an Independent Clinical Laboratory

Linking Clinical Practice, Research, and Social Implementation

Asami NAITO, Tomokazu NAGAI, Yukihiro KAI, Eiju MIYAMOTO, Aritoshi MIYAZAKI

Tsukuba-i-Laboratory LLP

P-11-b-84 Seasonal Variation in Clinical Laboratory Tests

A Comprehensive Evaluation Using 25 Million Measurements

Kousuke AMANO, Mihana BINGO, Masami INAYOSHI, Wakiko NOGUCHI

Okazaki City Hospital, Department of Clinical Laboratory, Okazaki, Japan

P-11-b-85 Identification of GEN Checklist requirements for medical laboratory internal auditing

Dennis Mok¹, Rana Nabulsi², Naira Eloyan³, Sharfuddin Chowdhury⁴, Karlah Norkunas¹, Mohd Nazil Salleh⁵

¹ Faculty of Health, Southern Cross Univ., Australia

² Dubai Health, United Arab Emirates

³ Armenian Medicinal Products Regulatory Authority, Armenia

⁴ Mater Misericordiae Univ. Hospital, Ireland

⁵ Univ. College of MAIWP International Malaysia



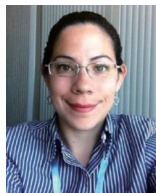
P-11-b-86 Comparison of the Laboratory Results from Four Missions of JDR
Experience from Water Floods in the Pakistan, Earthquake in Nepal, Turkey , and Myanmar
Chitoshi SATO, Noriko WATANABE, Maiko OOTA, Tomokazu NAJIMA

P-11-b-87 Evaluation of Serum IgG Responses to *Cutibacterium acnes* Phylotypes
Kaoru Furukawa¹, Daisuke Sakonishi², Ibuki Tamura¹, Yuriko Kurihara¹
¹ Graduate School of Clinical Technology ,Tokyo University of Technology
² School of Health Sciences, Tokyo University of Technology

P-11-b-88 Test this si I dont have to test you
A visibility camgaigh for biomedical laboratory scientist
Heidi Andersen, Mari Tjernsmo Melby, Heidi Andersen
The norwegian institute of biomedical science

P-11-b-89 Simplifying On-Call and Standby Rosters with Commercial AI Tools
An operational workflow analysis of automated scheduling and its impact on staff management.
Rika SUZUKI, Saori ABE
South Miyagi Medical Center

P-11-b-90 Evaluation of the OC-SENSOR R70
Yumiko SUZUKI, Kouta OGINASA, Junko NAGAI, Kiyoshi KAMIYAMA
Department of Clinical Laboratory, Medical Diagnostic Center of URAWA Medical Association



Building Bridges: Biomedical Laboratory Science Connecting People, Innovation and Global Health

Ana Aceves Capri

Medical Devices and Assistive Technology team. Department of Medicines and Health Products Policies and Standards. World Health Organization.

This presentation explores how biomedical laboratory science is evolving in response to rapid technological innovation and changing healthcare needs. Traditionally, laboratory professionals have worked behind the scenes, generating reliable diagnostic results through centralized laboratory processes. While this work has been fundamental to diagnosis, treatment decisions and public health responses, the profession is now facing a period of significant transformation.

Key innovation trends reshaping laboratory medicine include decentralized and point-of-care testing, multiplex diagnostics, artificial intelligence (AI)-enabled diagnostics, digital data integration, precision medicine, advanced molecular platforms, automation and global health-oriented diagnostic solutions. These developments are changing both where and how diagnostic services are delivered.

The presentation highlights a strategic risk: adaptation lag. Traditional competencies such as microscopy, instrument operation and routine laboratory procedures are no longer sufficient on their own. Future laboratory professionals will need skills in AI oversight, data analytics, informatics, genomics, bioinformatics, systems thinking and algorithm validation. The greatest challenge is not whether laboratories will continue to need people, but whether the workforce can successfully transition from producing test results to managing, interpreting and governing increasingly automated and decentralized diagnostic systems.

Rather than viewing automation and AI as threats, the presentation frames them as opportunities. While routine tasks may become increasingly automated, healthcare systems will continue to depend on professionals who can ensure quality, patient safety, clinical relevance and responsible use of technology. The future laboratory scientist will act as a manager of diagnostic systems, supervising automated platforms, monitoring AI performance, managing point-of-care testing networks, investigating anomalies, interpreting data and supporting clinical decision-making.

A central message is that the profession's mission remains unchanged despite evolving tools. The future of diagnostics will be determined not only by technological progress but also by the ability to prepare a workforce capable of using these technologies responsibly and equitably. Laboratory professionals are encouraged to embrace continuous learning, digital technologies and leadership roles, while professional societies should modernize education and training to prepare workers for future healthcare demands.

The presentation concludes by emphasizing the global health dimension of diagnostics. For millions of people, particularly those living in rural areas, conflict zones, refugee settings or underserved communities, the primary challenge is not innovation but access. Diagnostic equity is presented as a core responsibility of laboratory professionals. Success should be measured not only by the accuracy of tests but also by whether reliable diagnostic services reach those who need them most. Laboratory professionals are called upon to become advocates for both quality and access, ensuring that diagnostics contribute to treatment, surveillance and health equity for all.

CV

Dr. Ana Aceves Capri is a Technical Officer at the World Health Organization (WHO) in Geneva, Switzerland.

Area of Work:

She focuses on improving access to essential diagnostic tests in resource-limited settings, with the aim of strengthening laboratory capacity and ensuring equitable access to diagnostics worldwide.

Expertise:

Dr. Aceves Capri has a solid background in laboratory medicine and public health.

Her work combines technical expertise with a strong emphasis on quality, safety, and sustainability in health systems.

Other Activities:

In her role at WHO, she has presented and facilitated discussions on topics such as laboratory errors, diagnostic and patient safety, and sustainable laboratory practices. She also has experience managing blood donation centers and infectious disease laboratories, as well as implementing quality management systems – as reflected in her LinkedIn profile.

Affiliation:

Dr. Aceves Capri serves as the IFBLS-designated Technical Officer for WHO.



Regarding emerging infectious diseases such as COVID-19

Shigeru Omi

Chairman, Japan Anti-Tuberculosis Association

Since the Spanish influenza of 1918, which caused unprecedented global devastation, pandemics such as the Asian flu, Hong Kong flu, and SARS have continued to emerge.

This presentation will begin by exploring the background conditions that have contributed to the recurrent occurrence of pandemics.

It will then address how Japan responded to the COVID-19 pandemic, which produced the greatest mortality since the Spanish influenza, and will evaluate the effectiveness of these societal responses.

CV

Nationality: Japanese

Education

1987-1989 PhD in Molecular Biology of Hepatitis B Virus, Division of Immunology,
Jichi Medical School, Japan

1972-1978 M.D. Jichi Medical School, Japan

1967-1968 On a scholarship from American Field Service (AFS), graduated from Potsdam Central High School, New York

PROFESSIONAL EXPERIENCE

2022- present Chairman, Board of Directors Japan Anti-Tuberculosis Association (JATA)

2014-2022 President of JAPAN Community Health care Organization (JCHO)

2013- WHO Member of Executive Board

2013 May President, the 66th World Health Assembly

2009- Regional Director Emeritus for WHO Western Pacific Region

1999-2009 WHO Regional Director for the Western Pacific

1990-1998 Director, Division of Communicable Disease Prevention and Control, WHO Regional Office for the Western Pacific

1987-1989 Researcher, Division of Immunology, Jichi Medical School, Japan

MEMBERSHIPS, AWARDS AND ACHIEVEMENTS

2020 Chairman of Subcommittee on Novel Coronavirus Disease Control

Deputy Chair of the New Coronavirus Infectious Disease Control Experts Conference

New Coronavirus Infection Control Advisory Board Member

2016 A member of the Global Health Crises Task Force

<Request from UN Secretary General Mr.BAN Ki-moon>

2015 A member of the IOG (International Oversight Group) for Multi-Stakeholder Initiative for Creating an Operational Global Health Risk Management Framework for the 21st Century

2013 Chairman of National Advisory Group for Infectious Disease Control in Japan

2009 Polio Eradication Champion Award provided by the Rotary International

2006 Executive Editor, SARS: How a Global Epidemic Was Stopped, a 300-page book on the 2002-2003 outbreak of severe acute respiratory syndrome

2004 Honorary Member of Keio University, Japan

2002 Honorary Fellow, Hong Kong College of Community Medicine

2002 Executive Editor, Polio Eradication in the Western Pacific Region, an account of the successful campaign against poliomyelitis in the Western Pacific

2001 37th Kojima Award, Japan, for outstanding achievement and leadership in the eradication of poliomyelitis in the Western Pacific



Advancing Global Laboratory Practice Through Examination Excellence and Data-Driven Insights: ASCP BOC's Commitment to Professionals and Patients Worldwide

Amy Spiczka

DHSc, MS, HTL(ASCP)^{CM}, SCT^{CM}, MB^{CM}, CPHQ

Executive Director, Board of Certification, American Society for Clinical Pathology

The American Society for Clinical Pathology Board of Certification (ASCP BOC) advances laboratory medicine, pathology, and adjacent specialties worldwide through rigorous professional credentialing, international collaboration, and data-driven innovation. Guided by its mission to provide excellence in certification on behalf of patients worldwide, the ASCP BOC supports laboratory professionals through globally recognized credentials that validate knowledge and applied skills, strengthen workforce capacity, and contribute to improved patient care.

This presentation highlights how examination excellence and data derivatives are transforming credentialing and workforce advancement globally. ASCP BOC examinations are built on practice analyses, psychometric rigor, continuous content review, and internationally recognized quality standards, ensuring fair, valid, and defensible assessments of professional outcomes. The ASCP BOC further leverages robust data governance, analytics, and publicly available credentialing insights to identify workforce trends, optimize operational performance, and demonstrate the value of ASCP BOC credentialing.

Through engagement with international partners, including IFBLS, JAMT, along with regional advisory boards, the ASCP BOC continues to promote global standards, professional trajectories, and patient-centered outcomes. Together, examination excellence and data-informed insights create a sustainable framework for empowering laboratory professionals and other experts who are partnering with the ASCP BOC to improve patient care worldwide.

CV

● Professional Experience

March 2022 – Current
Executive Director, Board of Certification
American Society for Clinical Pathology
2018 – 2022
Senior Director, Quality and Patient Safety
American Society for Clinical Pathology
2010 – 2018
Operations Manager, Division of Anatomic Pathology
Mayo Clinic Arizona
2005 – 2010
Supervisor, Division of Anatomic Pathology
Program Director, Histotechnology Program
Education Coordinator, Cytology Program
Mayo Clinic, Rochester, Minnesota

● Highest Education and Specialized Field

Period: (Graduated 2024)
Degree: Doctorate in Health Sciences (DHSc)
School Name: A.T. Still University
Specialized Field: Data Science
Major Field: Leadership and Organizational Behavior
Country: U.S.A.

● Honor and Awards

- Mayo School of Health Sciences (MSHS)**
- Recognition for Outstanding Alumni Award | 1999, 2000
 - Outstanding Educator Award | 2005
 - Cytotechnology Program, Mentor Award | 2008
 - Clinical Educator Award | 2013
- American Society for Cytopathology (ASC)**
- Future of the Profession Award | 2008
 - Cytotechnologist Award for Outstanding Achievement | 2015
 - Quality Improvement in Cytology Award | 2020
- Journal of Histotechnology Publication**
- Editor's Award for "Multimedia Tools- Creating a Connection between Histology and Education" National Society of Histotechnology Symposium | 2010
- American Society for Clinical Pathology (ASCP)**
- Regional Member Award | 2010
 - Best Oral presentation, "Improved Revised Reporting in Anatomic Pathology and Cytopathology" National Meeting | 2013
 - Best Healthcare Diversity, Equity, and Inclusion Poster, Opportunities for Promoting ASCP Credentials in Current & Emerging International Markets | 2023
- Mayo School of Continuous Professional Development**
- Special Recognition for the Outstanding Quality Improvement Project for the Dermatopathology Specimen Labeling Automation Project | 2013
 - Top Honors for Outstanding Quality Improvement Project | 2014



Quality Assurance Framework for Molecular Genetic Testing: International Standards and Risk Management for Laboratory Developed Tests

Hayato Miyachi

Professor, Department of Clinical Laboratory Sciences, Nitobe Bunka College

In FY2022, a research group commissioned by the Ministry of Health, Labour and Welfare (MHLW) conducted a study to establish quality assurance standards for molecular genetic testing in Japan. The study highlighted the increasing importance of advanced diagnostic technologies, including laboratory-developed tests (LDTs), in modern clinical practice. In particular, the research emphasized the need to ensure the quality and reliability of testing services through internationally recognized standards. A key recommendation of the study was the promotion of third-party accreditation for medical laboratories performing molecular genetic testing. Compliance with ISO 15189 (Medical laboratories – Requirements for quality and competence) was recognized as an essential framework for ensuring the competence of laboratories and the reliability of test results. Following the revision of ISO 15189 in December 2022, the Japanese Industrial Standards (JIS) Drafting Committee developed the national standard JIS Q 15189, which was officially issued in 2026. This standard aims to enhance the quality of medical laboratory testing by improving mutual understanding among stakeholders, ensuring the comparability and reliability of laboratory services, and ultimately supporting safe and effective patient care. The revised ISO 15189 places greater emphasis on risk-based thinking in laboratory management. In this context, the application of complementary international standards, such as ISO 22367 (Application of risk management to medical laboratories) and ISO 5649 (Concepts and specifications for the design, development, implementation, and use of laboratory-developed tests), is expected to strengthen risk management practices and improve the overall competence of laboratories performing LDTs. Establishing operational frameworks based on these standards, under governmental leadership, is considered essential for ensuring the quality, efficacy, and safety of LDTs in clinical practice. In 2025, an MHLW research group issued a guidance document outlining requirements for quality assurance when implementing LDTs. In this guidance, LDTs are classified according to their technical complexity into simple and standard LDTs. The recommendations include the appointment of a person responsible for ensuring quality, training of laboratory personnel in quality management and risk management, and the establishment and documentation of standard operating procedures, including disclosure of the assay performance evaluation. The guidance also recommends the regular implementation of appropriate statistical internal quality control and participation in external quality assessment programs or alternative approaches. In addition, third-party accreditation is required for standard LDTs in order to provide an objective evaluation of laboratory quality management systems, while for simple LDTs it is recommended as a best-effort requirement. Risk management practices are expected to include self-conformity assessment based on JIS Q 15189 and ISO 22367, with public disclosure of the results on conformity assessment. Because LDTs often involve highly advanced technologies, some tests would require additional regulatory considerations. In such cases, further requirements would be necessary to objectively evaluate reliability, including the effectiveness and safety of reagents and instruments, as well as the appropriateness of production and quality management systems.

CV

● Professional Experience

1981
Resident, Keio Univ. Hospital
1984-1986
Clin and Res Fellow, Hematology, Keio. Univ. Sch. Med
1987-1989
Visiting Scientist, Medical Oncology, City of Hope National Medical Center, USA
2004-2022
Professor, Laboratory Med., Tokai. Univ. Sch. Med
2022-Present
Professor, Clib. Lab. Science, Nitobe Bunka Coll.

● Highest Education and Specialized Field

Period: 1981, 1990
Degree: MD, PhD
School Name: Keio Univ. School of Medicine
Specialized Field: Molecular Genetics, Hematology and Oncology
Major Field: Laboratory Medicine
Country: Japan

● Honor and Awards

Bergmeyer-Kawai Awards (1996)
Nozomu Kosakai Awards (2005)
Roche Infectious Disease Award (2024)

Disaster response supporting system by JAMT



Kentaro Naoda

Seirei Hamamatsu General Hospital (Japan)

Large-scale disasters require coordinated responses in laboratory medicine, including maintaining healthcare services in affected areas, supporting medical activities in evacuation shelters, responding to infectious disease threats, and coordinating with relevant organizations. To address these challenges, the Japanese Association of Medical Technologists (JAMT) has established a disaster response framework within Japan's national disaster medical system. This presentation describes JAMT's role in disaster response, its support activities, collaborative mechanisms with prefectural associations, and current initiatives in workforce development and deployment coordination.

Based on lessons learned from the 2016 Kumamoto Earthquake, JAMT dispatched a total of 554 biomedical laboratory scientists from across Japan following the 2024 Noto Peninsula Earthquake. Their activities included deep vein thrombosis (DVT)-related testing in evacuation shelters, support for maintaining laboratory services at designated disaster hospitals, liaison assignments within prefectural health and welfare coordination headquarters, and assistance with the supply of laboratory equipment and reagents. A notable feature of this response was the simultaneous provision of support to hospitals, evacuation shelters, and disaster coordination headquarters.

Following these experiences, JAMT revised its disaster response regulations and operational manuals and has promoted formal agreements with prefectural governments. JAMT has also introduced video-on-demand (VOD) training programs to standardize the competencies of deployable personnel and established a disaster support registration system through its membership platform. As of March 2026, agreements had been concluded with governmental authorities in 21 prefectures.

Effective laboratory support during disasters requires not only technical expertise but also systems for information sharing, resource management, multidisciplinary collaboration, and operational coordination. This presentation discusses future challenges in strengthening disaster preparedness within the biomedical laboratory profession, including clarifying roles across disaster phases, standardizing collaborative procedures, fostering routine partnerships with governmental and related organizations, and establishing a common framework for workforce development.

CV

● Professional Experience

1996–2013

Medical Technologist, Clinical Laboratory
Seirei Mikatahara General Hospital, Japan

2013–2015

Chief Medical Technologist, Clinical Laboratory
Seirei Sakura Citizen Hospital, Japan

2015–Present

Chief Medical Technologist, Clinical Laboratory
Seirei Hamamatsu General Hospital, Japan



IFBLS-A professional framework towards increased knowledge, advancement and visibility of the profession

Gabriella Lillsunde Larsson

President of IFBLS (Sweden)

Associate Professor, Örebro University, Örebro, Sweden

The presentation will give an overview of the International Federation of Biomedical Laboratory Science (IFBLS) initiatives aimed at strengthening the professions advancements and establish a unified professional framework for biomedical laboratory scientists (BLS). The talk will highlight IFBLS structure, governance, and strategic plan for 2024–2028, emphasizing efforts to enhance education, professional development, and international collaboration. Central to these initiatives are the Britta Karlsson Legacy, which facilitate continuous professional development through educational webinars and advancement programs, particularly in low- and middle-income countries. The revision of IFBLS guidelines for core competence and the Code of Ethics underscores the federation's commitment to maintaining professional standards amid evolving scientific and technological contexts, including artificial intelligence and sustainability. Furthermore, IFBLS is actively pursuing the reclassification of BLS within the International Standard Classification of Occupations (ISCO), advocating recognition of biomedical laboratory scientists as health professionals. Collaboration with the World Health Organization (WHO) forms another cornerstone of IFBLS activities, notably in advancing workforce capacity, diagnostic accessibility, and sustainable laboratory practices through engagement with WHO initiatives such as the Essential Diagnostics List (EDL) and the Global Diagnostics Coalition. This presentation concludes by underlining the role of IFBLS congresses—as the ongoing 36th World Congress in Japan—in fostering global exchange, professional visibility, and continuous advancement of biomedical laboratory science.



IFBLS Services to Members International Directory of Biomedical Laboratory Science Education (IDBLSE) and IFBLS Professional Code of Ethics

Marie Nora Roald

Member at Large of IFBLS (Norway)

Laboratory Manager, Department of Medical Biochemistry and Blood Bank, Helse Møre and Romsdal
Hospital Trust

International collaboration and shared professional standards are important for Biomedical Laboratory Scientists (BLS). As healthcare systems become more interconnected, there is growing need for tools that support transparency in education, professional mobility, ethical practice, and international cooperation within the profession.

This presentation will introduce two important IFBLS initiatives available to members and the wider international BLS community: the International Directory of Biomedical Laboratory Science Education (IDBLSE) and the IFBLS Professional Code of Ethics.

The IDBLSE was established to provide accessible information about BLS education programs worldwide. By collecting and sharing information about educational pathways, professional qualifications, and national systems, the directory supports international understanding of the profession and may contribute to student exchange, workforce mobility, collaboration between educational institutions, and recognition of qualifications across borders. The directory can be used by educators, students, employers, professional associations, and individual Biomedical Laboratory Scientists.

The IFBLS Professional Code of Ethics represents a shared international framework for professional conduct and responsibility in Biomedical Laboratory Science. The code addresses core principles such as patient safety, professional competence, confidentiality, integrity, equality, and responsibility to society. In a time of rapid technological development, increasing international mobility, and evolving healthcare challenges, common ethical principles may help strengthen professional identity and public trust across different healthcare systems and cultural contexts.

The presentation will also briefly reflect on the collaborative international work behind maintaining and developing these resources, highlighting how contributions from IFBLS members and national associations help ensure that the tools remain relevant and useful for the profession globally.

The aim of the presentation is to demonstrate how shared educational and ethical resources can strengthen the international BLS community, support professional development, and contribute to high-quality laboratory services for patients and society.



ISCO Classification and Biomedical Laboratory Scientists

Marie Culliton

Past-President of IFBLS (Ireland)
MSc, MBA, FACSLM

ISCO is the classification system of the International Labour Office (ILO) to provide labour statistics for countries.

It is a tool for organizing jobs into a clearly defined set of groups according to the tasks and duties undertaken. It aims to be a basis for the international reporting, comparison and exchange of statistical and administrative data about occupations

It consists of 10 major groups, based on their similarity in terms of the skill level and skill specialization required for the jobs with a range of sub major and minor groups.

The latest classification dates back to 2007.

This profession has changed and developed significantly since that time and our current classification does not reflect our current knowledge, skills and competence.

IFBLS is working to achieve recategorization of biomedical laboratory scientists as a Professional Group in the next iteration of this Classification in 2028.

This presentation will update on the progress to date including a meeting with a Senior ILO Statistician to clarify anomalies.

Social Events

Welcome Ceremony

Venue 1 (2nd floor, Convention Hall)

Free of charge

Dress Code: Smart Casual

September 23 (Wed.) 16:30-17:30

Following the welcome addresses by the IFBLS President and the President of the Host Country, representatives from each nation will enter the venue carrying their national flags. Please enjoy the presentation of the IFBLS awards and a special Japanese cultural performance featuring shodō (calligraphy) artist.



Welcome Reception

Venue 2 (2nd floor, International Conference Room) September 23 (Wed.) 18:00-20:00

Meal Style: Buffet (Standing)

Free of charge

Dress Code: Casual

At the Welcome Reception held on the evening of the first day of the congress, we invite you to enjoy networking with fellow participants. Interviews with attendees and delicious food will also be provided, so we hope you will join us.

Beer Party

Venue 1 (2nd floor, Convention Hall)

September 24 (Thu.) 18:00-20:00

Meal Style: Japanese festival booths and food stands (alcoholic drinks available)

Free of charge

Dress Code: Casual

Join us for the Beer Party on the second evening of the congress, where you can experience the lively atmosphere of a Japanese festival with traditional casual music, festival booths, and festival food-stalls. A special live band performance is also scheduled—don't miss it!



Opening Ceremony

Venue 1 (2nd floor, Convention Hall)

Security Screening in place

Dress Code: Business Attire

September 25 (Fri.) 14:00-15:00

This is an official event to celebrate the opening of the Congress.

The Congress Organizer will deliver an address, followed by messages from guests.

The Japanese national anthem will be sung.

Please be aware of the following points concerning the opening ceremony:

- * For the safety of all attendees, a security screening will be conducted, so please arrive with sufficient time to spare.
- * A government-issued photo ID (such as a passport or driver's license) is required for entry into the venue.
- * Please be seated no later than 15 minutes before the ceremony begins. From 13:50 onward, entry and exit will not be permitted until the ceremony concludes.
- * Photography and audio recording are strictly prohibited. Please set your mobile phones and smartphones to silent mode or turn them off.

Gala Dinner

Venue 1 (2nd floor, Convention Hall)

Paid / Registration required

Dress Code: Casual

September 25 (Fri.) 19:00-21:00

Meal Style: Buffet (Standing)

At the Gala Dinner held on the evening of Day 3 of the conference, we will be serving a delicious buffet in a seated format. You can also enjoy performances by a brass band and a disco-time with a DJ. We warmly invite you to join us and enjoy a wonderful opportunity to connect with fellow participants.

GAD & Closing Ceremony

Venue 2 (2nd floor, International Conference Room) September 27 (Sun.) 9:00-12:00

Outstanding posters will be awarded a poster prize at the closing ceremony.

Lab. Visiting / Sight Tour

September 26 (Sat.)

September 25 (Fri.) 19:00-21:00

Pre-Registered only

【Course A】 Visiting Laboratory (Kazusa DNA Research Institute, Nokogiri Mt, etc.)

【Course B】 Sightseeing (Naritasan Shinshoji Temple, sake brewery tour,etc.)

Please note that bus departure time varies according to the courses

If you arrive late at Bus Terminal and miss the bus, you cannot join the program and the fee is not refundable.

Personal Insurance is necessary in this program, too

The Organizing Committee is not responsible for any unexpected accidents that cause any forms of damages, property losses, or cancellation expenses to participants.

All participants are recommended to arrange their own insurance for coverage.



Kazusa DNA Research Institute



Naritasan Shinshoji Temple

Japanese Cultural Experience Corner

International Exhibition Hall 8

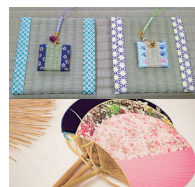
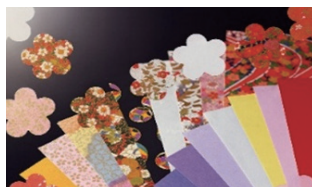
• September 24 (Thu.)

Origami Workshop	10:00-12:00 / 13:00-16:30
Matcha Tea Service	10:00-12:00 / 13:00-16:30
Japanese Cypress Shaving Workshop	10:30-12:00 / 13:00-16:30
Japanese Fan Workshop	10:00-12:00 *the first 20 to arrive
Miso Workshop	13:00-15:30

• September 25 (Fri.)

Origami Workshop	9:00-12:00 / 15:30-17:00
Matcha Tea Service	9:00-12:00 / 15:30-17:00
Tatami Keychain Workshop	9:00-11:00 *the first 20 to arrive
Leather Bookmark Workshop	12:00-14:00 *the first 20 to arrive

*Fan, keychain, Leather workshop programs are monitoring from Chiba Convention Bureau. Please take a few minutes to fill out the survey.



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