

## The 30th Annual Meeting of the Japanese Society of Clinical Microbiology

- Theme:** Demanded responsibility and pride  
- In the Course of the Japanese Society of Clinical Microbiology 30-years History –
- Chairman:** Kazuhiro Tateda (Toho University)
- Vice Chairman:** Hiroyuki Nishiyama (Nihon University)
- Date:** February 1 (Fri) – February 3 (Sunday), 2019
- Venue:** Hilton Tokyo Odaiba & Grand Nikko Tokyo Daiba

**Academic participation fee:** 12,000 JPY

If clinical technologist attends this meeting with physician, pharmacist or nurses from same facility, you will able to purchase the pre-paied pair ticket by special price. Please ask concerning the pair ticket to secretariat of this meeting before January 18, 2019. (email address: [jscm2019@ext.toho-u.ac.jp](mailto:jscm2019@ext.toho-u.ac.jp))

**Reception dues:** 3,000 JPY

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**The 30th Anniversary Special Project "Japanese Society of Clinical Microbiology, thinking past 30-year, expectation to next 30-year"**

**Feb 1 (Fri) 16:00-18:00 (Pegasus AB)**

**General Chair: Kazuhiro Tateda (Toho University)**

**Part 1: What did the Japanese Society of Clinical Microbiology Change?**

**- Thinking again period of fundamental -**

**Establishment of Japan Society of Clinical Microbiology and Future Prospects**

Chairperson: Hiroyuki Nishiyama (Nihon University)

Speaker: Sigeharu Kanno (Kashima Hospital)

Inauguration of the Certified Medical Technologist in Clinical Microbiology (CMTCM)

Chairperson: Katsuko Okuzumi (Dokkyo Medical University)

Speaker: Kazunari Kumasaka (Ageo Central General Hospital)

**TBD**

Chairperson: Kyouichi Totsuka (Kita Tama Hospital)

Speaker: Toyoko Oguri (Tokyo Medical and Health University)

**Part 2: Future Japanese Society of Clinical Microbiology: Interdisciplinary collaboration and standardization**

**1. Expectation for Japan Society of Clinical Microbiology**

Chairperson: Mitsuo Kaku (Tohoku University)

Speaker: Yutaka Yatomi (President, Japanese Society of Laboratory Medicine, The University of Tokyo)

**2. Japan Society for Clinical Laboratory Automation**

Chairperson: Mitsuaki Nagasawa (International Medical Welfare University)

Speaker: Future and automation of microbiological laboratory

Kang Tong Wei (President, the Japan Society for Clinical Laboratory Automation, Kyushu University)

**3. The Japanese Committee for Clinical Laboratory Standard commits for standardization and quality control of clinical microbiological laboratory**

Chairperson: Hiroshige Mikamo (Aichi Medical University)

Speaker: Yasushi Takagi (President, Japanese Committee for Clinical Laboratory Standard, Showa University)

## **The 30th Anniversary Special Symposium**

### **Innovative technologies and next-generation diagnostic methods**

**February 1st (Fri) 14: 00 -14:50 (Pegasus AB)**

**Chairpersons: Kazuhiro Tateida (Toho University), Hiroyuki Nishiyama (Nihon University)**

1. Application of simultaneous multiple items · high sensitivity detection technology to diagnostic field by integration of semiconductor manufacturing technology and biotechnology ~ Introduction of the  $\pi$  code™ technology  
Kentaro Sakai (Denka Co., Ltd.)
2. GeneSoC: Possibility of paradigm shift of microbial genetic testing by super high speed nucleic acid amplification technology  
Satoru Iwanami (Kyorin Pharmaceutical Co., Ltd.)
3. To the era more closely related to infection genetic testing - Introduction of genetic testing devices for POCT -  
Tomoko Sunayama (ALERE Medical Co., Ltd.)
4. The future of clinical symptomatic approach to the diagnosis of Infectious Diseases  
Junichi Hirayama (bioMérieux Japan Co., Ltd.)
5. "Kaneka Nucleic Acid Chromatography System" that makes familiar genetic testing  
Takaaki Jikihara (Kaneka Corporation)
6. Nucleic acid chromatographic method using sandwich hybridization  
Norihiro Sugimoto (Fuso Pharmaceutical Co., Ltd.)
7. New POCT genetic testing system Smart Gene  
Takashi Nagano (Mizuhomedi Co., Ltd.)
8. Fully automated small genetic testing system using LAMP method  
Toshihiro Yonekawa (Eiken Chemical Co., Ltd.)
9. Rapid detection of infected erythrocytes such as malaria parasite - Providing new testing value by the flow cytometry -  
Yoshiko Hamaguchi (Sysmex Corporation)
10. Diagnosis of infectious diseases by detection of ribosomal protein L7/L12 - Application to *Legionella pneumophila* -  
Yuuta Hamaguchi (Asahi Kasei Pharma Co., Ltd.)

**Special lectures****1. Beta-lactamase: Past, Present and Future****Feb 2 (Sat) 13:00-13:50 (Pegasus C)**

Lecturer: Karen Bush (Indiana University)

Chairperson: Yoshikazu Ishii (Toho University)

**2. Application of next-generation sequencers to clinical microbiological testing****Feb 2 (Sat) 13:00-13:50 (Pegasus B)**

Lecturer: Tetsuya Iida (Osaka University)

Chairperson: Shigeki Misawa (Juntendo University)

## Keynote Lectures

- 1. Microorganism examination required by hospital comprehensive medical doctor -  
From cases**  
**Feb 2 (Sat) 14:00-14:50 (Pegasus C)**  
Lecturer: Jun Hayashi (Japanese Society of Hospital General Medicine)  
Chairperson: Shigeru Kouno (Nagasaki University)
- 2. The truth that comes from the regional infectious disease surveillance**  
**Feb 2 (Sat) 14:00-14:50 (Pegasus B)**  
Lecturer: Kazunori Tomono (Osaka University)  
Chairperson: Satoshi Ichiyama (Shiga General Hospital)
- 3. Epidemiology and examination of tropical disease infection (AREA)**  
**Feb 2 (Sat) 14:00-14:50 (Pegasus A)**  
Lecturer: Shigeyuki Kano (Research Institute National Center for Global Health and  
Medicine)  
Chairperson: Kenji Ohnishi (Ebara Hospital)
- 4. Current resistant bacterial information - What is going on in the world now?**  
**Feb 3 (Sun) 13:00-13:50 (Pegasus C)**  
Lecturer: Yoshichika Arakawa (Nagoya University)  
Chairperson: Hiroki Ohge (Hiroshima University)
- 5. Disease pathogenesis of fungal infections: From viewpoints of infection, inflammation  
and allergy**  
**Feb 3 (Sun) 13:00-13:50 (Pegasus B)**  
Lecturer: Kazuyoshi Kawakami (Tohoku University)  
Chairperson: Yoshihito Niki (Showa University)
- 6. Opportunistic infection and microbial examination in patients with HIV infection**  
**Feb 3 (Sun) 13:00-13:50 (Pegasus A)**  
Lecturer: Shin-ichi Oka (National Center for Global Health and Medicine)  
Chairperson: Hiroshi Kiyota (Tokyo Jikei University School of Medicine)

## **Korea-Japan Joint Symposium**

### **Never Stop Evolution: Global Diversity in beta-lactamase in Asia and the World**

**Feb 2 (Sat) 10:20-12:00 (Pegasus C)**

**Moderators: Tetsuya Matsumoto (International University of Health and Welfare)**

**Young Uh (Yonsei University Wonju College of Medicine)**

- The CTX-M beta-lactamase pandemic and global dissemination of *Escherichia coli* ST131 clone  
Yasufumi Matsumura (Kyoto University)
- Emergence of new metallo-beta-lactamase and spread of ESBL-producers in Japan  
Junichi Wachino (Nagoya University)
- Detection of extended-spectrum beta-lactamase, AmpC beta-lactamase (PA BLs) and Carbapenemases  
Yeon-Joon Park (Catholic University)
- Class C beta-lactamases with expanded-spectrum hydrolytic activities to carbapenems  
Eun-Jeong Yoon (Yonsei University)

**Commentators: Karen Bush (Indiana University)**

**Yoshikazu Ishii (Toho University)**

## **Sage/ Master/Ironman Seminars**

### **Sage 1: "IE and blood culture test: centering on pitfall and pearl"**

**Feb 2 (Sat) 15:00-15:50 (Sirius)**

Chairperson: Hiromu Takemura (St. Marianna University School of Medicine)

Lecturer: Koutarou Mitsutake (Saitama Medical University)

Special remarks: Jun Okada (Otsuka Pharmaceutical Co., Ltd.)

### **Sage 2 "Clinical requirement, microbiological testing to respond to clinical"**

**Feb 2 (Sat) 15:00-50 (Orion B)**

Chairperson: Mitsuhiro Okazaki (Tokyo University of Technology)

Lecturer: Kiyofumi Ookusu (Tokyo Medical University)

### **Sage 3 "Thinking internationalization standards for microbiological testing"**

**Feb 2 (Sat) 15:00-50 (Orion A)**

Chairperson: Nobuchika Kusano (Okayama University)

Lecturer: Hayato Miyachi (Tokai University)

Special remarks: Kazunari Kumasaka (Ageo Central General Hospital)

### **Master 1 "Characteristics and examination of pediatric infectious diseases"**

**Feb 2 (Sat) 16:00-16:50 (Sirius)**

Chairperson: Akihiko Saitou (Niigata University)

Lecturer: Satoshi Iwata (National Cancer Research Center )

### **Master 2 "Pitfall of testing for anaerobic bacterial infections"**

**Feb 2 (Sat) 16:00-16:50 (Orion B)**

Chairperson: Masaru Nasu (Former Oita University )

Lecturer: Kaori Tanaka (Gifu University)

Special remarks: Masako Kunihiro (former Yamaguchi Prefectural Grand Medical Center)

### **Master 3 "Extreme mystery of Gram-staining"**

**Feb 2 (Sat) 16:00-16:50 (Orion A)**

Chairperson: Hinako Murakami (Toho University)

Lecturer: Kuniaki Nagata (Tamana Central Hospital)

Special remarks: Toyoko Oguri (Tokyo Healthcare University)

**Ironman 1 "Progress of gene mutations in pathogens for respiratory infections"****Feb 2 (Sat) 16:00-16:50 (Sirius)**

Chairperson: Junichi Kadota (Oita University)

Lecturer: Kimiko Ubukata (Keio University)

Special remarks: Koji Kimura (Nagoya University)

**Ironman 2 "Epidemiology/pathogenicity and examination method of gonococcal infection"****Feb 2 (Sat) 16:00-16:50 (Orion B)**

Chairperson: Keiji Kanemitsu (Fukushima Medical University)

Lecturer: Makoto Ohnishi (National Institute of Infectious Diseases)

Special remarks: Souichi Arakawa (IUHW Sanda Hospital)

**Ironman 3 "Talking about the interesting of the clinical microbiological research"****Feb 2 (Sat) 16:00-16:50 (Orion A)**

Chairperson: Kunitomo Watanabe (Kouseikai Kizawa Memorial Hospital)

Lecturer: Hiroshige Mikamo (Aichi Medical University)



## **Educational lecture**

### **1. A mysterious world created by biofilm**

**Feb 2 (Sat) 8:30-9:00 (Orion B)**

Lecturer: Hidenobu Senpuku (National Institute of Infectious Diseases)

Chairperson: Shigeru Kamiya (Kyorin University)

### **2. Smart use of JANIS data**

**Feb 2 (Sat) 8:30-9:00 (Orion A)**

Lecturer: Sayoko Kawakami (National Institute of Infectious Diseases)

Chairperson: Atsushi Yoshida (Tokyo Women's Medical University)

### **3. Easy-to-understand MRSA course: from epidemiology, pathogenicity to testing**

**Feb 2 (Sat) 9:10-9:40 (Orion B)**

Lecturer: Tetsuo Yamaguchi (Toho University)

Chairperson: Yoshitoshi Ichiman

### **4. Update: classification and nomenclature of microorganism**

**Feb 2 (Sat) 9:10-9:40 (Orion A)**

Lecturer: Yoshiaki Kawamura (Aichi Gakuin University)

Chairperson: Toshihiro Mitsuda (Tokyo Women's Medical University)

### **5. Basic and application of MALDI-TOF MS**

**Feb 2 (Sat) 9:50-10:20 (Orion B)**

Lecturer: Takuya Hattori (Nagoya First Red Cross Hospital)

Chairperson: Tomohisa Watari (Asahikawa Medical University)

### **6. CPE - CRE Infection: to study scientifically**

**Feb 2 (Sat) 9:50-10:20 (Orion A)**

Lecturer: Youhei Doi (Fujita Health University)

Chairperson: Hitoshi Miyamoto (Ehime University)

### **7. Basic of next-generation sequencer and its application to microbial testing**

**Feb 2 (Sat) 10:30-11:00 (Orion B)**

Lecturer: Koutarou Aoki (Toho University)

Chairperson: Yasuo Ono (Teikyo University)

**8. Microbial testing and surveillance: read from genome data****Feb 2 (Sat) 10:30-11:00 (Orion A)**

Lecturer: Tomoo Saga (Akita University)

Chairperson: Akira Watanabe (Chiba University)

**9. Contribution of clinical microbiological technicians to AST****Feb 2 (Sat) 11:10-11:40 (Orion B)**

Lecturer: Tamio Ueno (Oita University)

Chairperson: Makiko Kiyosuke (Kyushu University)

**10. Microbiome analysis for beginners: an oral cavity flora of AIDS patients****Feb 2 (Sat) 11:10-11:40 (Orion A)**

Lecturer: Yuuto Fukui (Toho University)

Chairperson: Haruo Sakamoto (Tokai University)

**11. Increasing syphilis and required countermeasure****Feb 3 (Sun) 8:30-9:00 (Orion B)**

Lecturer: Souichi Arakawa (IUHW Sanda Hospital)

Chairperson: Jun-ichi Matsuda (Nagasaki University)

**12. Collaboration between infection control and microbiological testing****Feb 3 (Sun) 8:30-9:00 (Orion A)**

Lecturer: Yasushi Nakazawa (Tokyo Jikei University School of Medicine)

Chairperson: Ken Kikuchi (Tokyo Women's Medical University)

**13. Required microbiological testing by guideline for pneumonia 2017****Feb 3 (Sun) 9:10-9:40 (Orion B)**

Lecturer: Hiroshi Mukae (Nagasaki University)

Chairperson: Keiichi Mikasa (Nara Medical University)

**14. Hollow-Fiber Infection Model: Novel technology****Feb 3 (Sun) 9:10-9:40 (Orion A)**

Lecturer: Masakaze Hamada (Toho University)

Chairperson: Yukihiro Kaneko (Osaka City University)

**15. Changing hepatitis virus infection: as one of sexually transmitted diseases****Feb 3 (Sun) 9:50-10:20 (Orion B)**

Lecturer: Hiroshi Yotsuyanagi (The University of Tokyo)

Chairperson: Masayuki Saijou (National Institute of Infectious Diseases)

**16. The threat of *Cimex lectularius*****Feb 3 (Sun) 9:50-10:20 (Orion A)**

Lecturer: Shin-ichirou Kanai (Shinshu University)

Chairperson: Takayuki Miyara (Kobe University)

**17. Thorough verification: misunderstanding and truth about vaccines****Feb 3 (Sun) 10:30-11:00 (Orion B)**

Lecturer: Hiroyuki Moriuchi (Nagasaki University)

Chairperson: Kazunobu Ouchi (Kawasaki Medical School)

**18. Infectious disease "Spot Diagnosis"****Feb 3 (Sun) 10:30-11:00 (Orion A)**

Lecturer: Satoshi Kutsuna (National Center for Global Health and Medicine)

Chairperson: Yasushi Shibue (Minato Red Cross Hospital)

**19. Attention: human parechovirus infection****Feb 3 (Sun) 11:10-11:40 (Orion B)**

Lecturer: Akihiko Saitou (Niigata University)

Chairman: Naoyuki Miyashita (Kawasaki Medical School)

**20. Epidemiology and new treatment strategies for SFTS****Feb 3 (Sun) 11:10-11:40 (Orion A)**

Lecturer: Masaki Yasukawa (Ehime University)

Chairperson: Yoshio Takesue (Hyogo College of Medicine)

**21. Outline and usage of the 30th memorial Gram-staining atlas****Feb 3 (Sun) 14:00-14:30 (Orion B)**

Lecturer: Masakazu Sasaki (Toho University)

Chairperson: Noboru Oohana (Fukushima Medical University)

**22. A story of discovering *Candida auris*****Feb 3 (Sun) 14:00-14:30 (Orion A)**

Lecturer: Kouichi Makimura (Teikyo University)

Chairperson: Katsuhiko Kamei (Chiba University)

**23. Which microbiological testing are wanted by practicing physicians? "Gene detection, immunochromatography, or ..."****Feb 3 (Sun) 14:40-15:10 (Orion B)**

Lecturer: Chikara Nakahama (Nakahama Clinic)

Chairperson: Michio Tanaka (Kyoto University)

**24. Meningococcal infection "Danger of bringing in and preferring clinical testing"****Feb 3 (Sun) 14:40-15:10 (Orion A)**

Lecturer: Hideyuki Takahashi (National Institute of Infectious Diseases)

Chairperson: Shinobu Murakami (Ehime University)

**25. Think from a blood culture "Unknown Unknowns" perspective****Feb 3 (Sun) 15:20-15:50 (Orion B)**

Lecturer: Yousuke Aoki (Saga University)

Chairperson: Ikuo Yamaguchi (Toyohashi City Hospital)

**26. Pride as clinical technologists: doctors assemble "Gram-staining Dojyo"****Feb 3 (Sun) 15:20-15:50 (Orion A)**

Lecturer: Gou Yamamoto (Kobe City Medical Center Central Hospital)

Chairperson: Kei Kasahara (Nara Medical University)

## Symposiums

### 1. Countermeasures and clinical laboratory testing for prevalent sexually transmitted diseases

#### Feb 2 (Sat) 8:30-10:10 (Pegasus C)

Moderators:	Intetsu Kobayashi (Toho University), Satoshi Takahashi (Sapporo Medical University)
Chlamydia	Satoshi Takahashi (Sapporo Medical University)
Syphilis	Sadako Yoshizawa (Toho University)
Gonorrhoea	Mitsuru Yasuda (Gifu University)
HIV	Masaki Yoshida (Tokyo Jikei University School of Medicine)

### 2. Microbiological laboratory as a member of ICT-AST: required, responsible clinical technologists and physicians

#### Feb 2 (Sat) 8:30-10:10 (Pegasus B)

Moderators:	Kyouji Moriya (The University of Tokyo) Yuki Uehara (Juntendo University)
Tokyo model	Tomoaki Satou (The University of Tokyo)
Sapporo model	Shunji Takahashi (Municipal Sapporo Hospital)
Kyushu model	Makiko Kiyosuke (Kyushu University)
Kyoto model	Miki Nagao (Kyoto University)
Special remarks:	Mitsuru Yanai (Nihon University)

### 3. AMR one health symposium: From environment / meat to wildlife

#### Feb 2 (Sat) 8:30-10:10 (Pegasus A)

Moderators:	Mitsuo Kaku (Tohoku University) Haruyoshi Tomita (Gunma University)
Antimicrobial agent used in livestock and the environment	Yutaka Tamura (Rakuno Gakuen University)
From the administrative point of view	Hirofumi Kugita (World Organization for Animal Health)
Contamination situation of meat	Shin-ichirou Hashimoto (Wellpham Foods Co., Ltd.)
From wild animals	Tetsuo Asai (Gifu University)

#### 4. 101-year since "Spanish cold": history · epidemiology · pathology of influenza

**Feb 2 (Sat) 8:30-10:10 (Jupiter)**

Moderators: Osamu Kobayashi (Kyorin University),  
Isao Nishi (Osaka University)

Historical Background

Nobuhiko Okabe (Kawasaki City Public Health Center)

Virological features

Keiko Taya (National Institute of Infectious Diseases)

Global perspective and epidemiology

Yasuyuki Kato (International University of Health and Welfare)

Disease pathology and severity mechanism

Masafumi Seki (Tohoku Medical and Pharmaceutical University)

#### 5. Inspection of fungal infections: from culturing to antigen detection/molecular diagnosis

**Feb 2 (Sat) 8:30-10:10 (Apollon B)**

Moderators: Kazutoshi Shibuya (Toho University)  
Yoshitsugu Miyazaki (National Institute of Infectious Diseases)

Aspergillosis Akira Watanabe (Chiba University)

Mucor Disease Hiroshi Kakeya (Osaka City University)

Candidiasis Kouichirou Yoshida (Kinki University)

Cryptococcus Taiga Miyazaki (Nagasaki University)

Special remarks: Hideyo Yamaguchi (former Teikyo University)

#### 6. Failure and great success of microbiological testing: Sharing of our experiences

**Feb 2 (Sat) 8:30-10:10 (Apollon B)**

**Case 1 A case of cerebral abscess which was difficult to identify bacterial species of a pathogen and drug susceptibility testing**

Shouta Yonetani (Kyorin University)

Moderators: Masami Kurokawa (Tokyo Takanawa Hospital)  
Naohisa Matsunaga (Teikyo University)

**Case 2 Rapid diagnostic testing for group A streptococci infection (major failure) and for *Listeria* infection (great success)**

Takahiro Kinebuchi (Furano Hospital)

Moderators: Norihiko Akamatsu (Nagasaki University)

Kouichi Yamada (Osaka City University)

**7. Characteristics and microbiological testing for nontuberculous mycobacteriosis**

**Feb 2 (Sat) 8:30-10:10 (Sirius)**

Moderators: Naoki Hasegawa (Keio University)

Toshiaki Kikuchi (Niigata University)

Epidemiology of nontuberculous mycobacteriosis, comparison between Japan and the World Focusing on respiratory infections

Kozo Morimoto (Fukujuji Hospital)

Notes on culture and identification

Akio Aono (Research Institute of Tuberculosis)

Clinical features of nontuberculous mycobacteriosis

Taku Nakagawa (Higashinagoya National Hospital)

Progress of genetically testing

Hidetoshi Igari (Chiba University)

**8. Required testing for infectious disease in emergency medicine field (Joint symposium with Japanese Association for Acute Medicine)**

**Feb 2 (Sat) 10:20-12:00 (Pegasus B)**

Moderators: Shigefumi Maesaki (Saitama Medical University)

Takashi Takahashi (Kitasato University)

The concept of Sepsis 3 and the position of clinical testing

Nobuaki Shime (Hiroshima University)

Significance of various biomarkers

Jun-ichi Sasaki (Keio University)

Role of clinical examinations

Gou Ohgi (Kobe University)

Tips for blood culture and its interpretation

Ohshiro Takeya (Naha City Hospital)

9. Examination and treatment policy of upper respiratory tract infection: Basics amoxicillin, application?

**Feb 2 (Sat) 10:20-12:00 (Pegasus A)**

Moderators: Muneki Hotomi (Wakayama Prefectural Medical University)  
Katsunori Yanagihara (Nagasaki University)

Causative bacteria of pharyngitis

Shigeki Nakamura (National Institute of Infectious Diseases)

Quick inspection of pharyngitis

Naruhiko Ishiwada (Chiba University)

Concept of antibiotic therapy

Katsunori Yanagihara (Nagasaki University)

Complications that should not be overlooked

Daisuke Ono (Toho University)

Special remarks: Satoshi Iwata (National Cancer Research Center)

**10. 101-year from "Spanish cold": Diagnosis, treatment, prevention of influenza**

**Feb 2 (Sat) 10:20-12:00 (Jupiter)**

Moderators: Akiko Yoneyama (Toranomon Hospital)  
Takahiro Fujita (Hokkaido Cancer Center)

Novel evolution over diagnosis

Keiji Funahashi (Konan Kosei Hospital)

Characteristics and distinctive use of agents

Akihiko Kawana (National Defense Medical College)

Effectiveness of vaccine

Kazuko Yamamoto (Nagasaki University)

Basics and applications of infection control

Hideaki Ohno (Saitama Medical University)

**11. Trends of parasitic diseases**

**Feb 2 (Sat) 10:20-12:00 (Apollon B)**

Moderators: Fukumi Nakamura (Ebara Hospital)  
Kousuke Haruki (Dokkyo Koshigaya Hospital)



Trends and immunodiagnosis against parasitosis

Haruhiko Maruyama (Miyazaki University)

Diagnosis and application of protozoal disease

Takuya Maeda (Saitama Medical University)

Identification of Anisakis, tapeworms

Jun Suzuki (Tokyo Metropolitan Institute of Public Health)

Examination of the feces

Norishige Yamamoto (former Saitama Prefectural Institute of Public Health)

Special remarks: Shigeyuki Kanou (National Center for Global Health and Medicine)

## **12. Collaboration between clinical technologists and physicians: Find the "clinical microbiological physician"**

**Feb 2 (Sat) 10:20-12:00 (Apollon A)**

Moderators: Naoto Hosokawa (Kameda General Hospital)

Yoshihito Ohtsuka (Kameda General Hospital)

Our approach "Nara" Kei Kasahara (Nara Medical University)

Our approach "Toyama" Yoshihiro Yamamoto (Toyama University)

Our approach "Saga" Yosuke Hamada (Saga University)

Our approach "Saitama" Hideaki Oka (Saitama Medical University)

Special remarks: Shouhiro Kinoshita (Former Kobe University)

## **13. Present state of tuberculosis and progress of new testing method**

**Feb 2 (Sat) 10:20-12:00 (Sirius)**

Moderators: Satoshi Mitarai (Anti-Tuberculosis Association)

Sayoko Kawakami (National Institute of Infectious Diseases)

Epidemiology in Japan and the world

Yuka Kojima (Public Health Res. Inst. of the City of Kawasaki)

Progress of diagnostic method

Shiomi Yoshida (Kinki Central Chest Disease Center)

Potential for diagnosis of urinary antigen detection

Jun-ichi Katada (FUJIFILM Laboratories)

Novel therapeutic agents

Yuka Sasaki (Fukujuji Hospital)

Special remarks: Akira Watanabe (Tohoku Bunka Gakuen University)

#### **14. Symposium on Drug Resistant bacteria (A): The truth from the epidemiological findings**

**Feb 3 (Sun) 8:30-10:10 (Pegasus C)**

Moderators: Jun-ichirou Nishi (Kagoshima University)

Masami Murakami (Gunma University)

What can be seen from epidemiological analysis of clinical isolates - focusing on community medical area -

Hiroyuki Kayaba (Hirosaki University)

What can be seen from epidemiology

Tetsuro Muratani (Kyurin Medical Laboratory)

Regional surveillance

Toshinobu Horii (Hamamatsu School of Medicine)

Truth comes from epidemiological findings

Hideji Yanagisawa (MicroSKY Lab, Inc.)

#### **15. Mysterious micro world – Microbiology, I saw the light! – (Joint symposium with Japanese Society of Bacteriology)**

**Feb 3 (Sun) 8:30-10:10 (Pegasus B)**

Moderators: Tetsuya Matsumoto (International University of Health and Welfare), Naoya

Oohara (Okayama University)

Acid - fast bacteria

Naoya Oohara (Okayama University)

Pneumococcus

Souichirou Kimura (Toho University)

Legionella spp.

Junko Maekawa (National Institute of Infectious Diseases)

Helicobacter pylori

Shin-ichi Yokota (Sapporo Medical University)

## 16. Direction and future prospect of automated microbial testing

### Feb 3 (Sun) 8:30-10:10 (Pegasus A)

Moderators: Katsunori Yanagihara (Nagasaki University)

Yoshitsugu Iinuma (Kanazawa Medical University)

FilmArray Sirou Endou (UHW Shioya Hospital)

BD-MAX Yoshitomo Morinaga (Nagasaki University)

Verigene Hiromichi Suzuki (Tsukuba Medical Center Hospital)

GeneXpert Yuka Yamagishi (Aichi Medical University)

## 17. It is not late from now! Manuscript preparation seminar

### Feb 3 (Sun) 8:30-10:10 (Jupiter)

Moderators: Hiroyuki Kunishima (St. Marianna University of Medicine)

Noriyuki Nagano (Shinshu University)

Mainly on original article

Kiyofumi Ohkusu (Tokyo Medical University)

For example, as writing "case report"

Keiji Funahashi (Konan Kosei Hospital)

## 18. Case-Based Research Oriented Seminar (CABROS)

### Feb 3 (Sun) 8:30-10:10 (Apollon B)

#### Case 1 A 4-year-old girl who took a right abdominal subcutaneous abscess

Rentaro Oda (Tokyo Bay, Urayasu Ichikawa Medical Center)

Moderators: Hiroshige Mikamo (Aichi Medical University)

Masaru Komatsu (Tenri Health Care University)

Commentator: Masaru Komatsu (Tenri Health Care University)

#### Case 2 A 57-year-old male repeating the cellulitis

Kouki Kikuchi (Kameda General Hospital)

Moderators: Hideki Araoka (Toranomon Hospital)

Satoshi Hayakawa (Fujita Health University)

Commentator: Emiko Miyajima (Toranomon Hospital)

## **19. Epidemiology, diagnosis and treatment of pneumocystosis**

**Feb 3 (Sun) 8:30-10:10 (Apollon A)**

Moderators: Kouichi Makimura (Teikyo University)

Yoshihito Otsuka (Kameda General Hospital)

Microbiological characteristics

Yasufumi Matsumura (Kyoto University)

Epidemiology and medical-related infections

Norihiko Goto (Nagoya Second Red Cross Hospital)

Genetic diagnosis

Yumiko Koba (Hiroshima University)

Current state and challenge of treatment

Yoshimi Kikuchi (National Center for Global Health and Medicine)

## **20. Required countermeasures and practices for CPE/CRE**

**Feb 3 (Sun) 8:30-10:10 (Sirius)**

Moderators: Keigo Shibayama (National Institute of Infectious Diseases)

Hideyuki Itaha (Hiroshima International University)

Reconsideration of definition and reporting criteria of CRE/CPE

Atsushi Nakamura (Nagoya City University)

Screening method

Masakazu Sasaki (Toho University)

Treatment option

Tohru Takata (Fukuoka University)

Infection control

Kouichi Izumikawa (Nagasaki University)

## 21. Symposium on Drug Resistant bacteria (B): Evolution of resistance mechanisms

### Feb 3 (Sun) 10:20-12:00 (Pegasus C)

Moderators: Motoyuki Sugai (National Institute of Infectious Diseases)  
Souhei Harada (Fujita Health University)

Mechanism of resistance and resistance to pathogenic microorganisms

Tomoo Saga (Akita University)

Resistance mechanism of multidrug-resistant E. coli ST131 clone and evolution of plasmid

Yasufumi Matsumura (Kyoto University)

Mechanism of resistance to  $\beta$ -lactam drug-resistant bacteria

Ryuuichi Nakano (Nara Medical University)

Investigation of the *bla*<sub>CTX-M-8</sub> gene spreading pattern by plasmid line network analysis

Masahiro Suzuki (Fujita Health University)

## 22. From the deep sea to the universe: microbial in the ultimate environment

### Feb 3 (Sun) 10:20-12:00 (Pegasus B)

Moderators: Kazuhiro Kogure (The University of Tokyo)  
Satoru Suzuki (Ehime University)

Thinking about the history of microbial ecosystems from the deep sea environment

Hiroyuki Yamamoto (JAMSTEC)

From antarctica

Satoshi Imura (National Institute of Polar Research)

Bacterial 16S rRNA gene profiling by portable DNA sequencer from shower water, shower head, bathtub inlet in Japan

Fumito Maruyama (Kyoto University)

From universe Kouichi Makimura (JAXA, Teikyo University)

Special remarks: Michio Ohta (former Nagoya University)

## 23. Basic and application of interferon-gamma releasing assay

### Feb 3 (Sun) 10:20-12:00 (Pegasus A)

Moderators: Hidetoshi Igari (Chiba University)  
Mizue Tsuyusaki (Chiba Foundation for Health Promotion & Disease Prevention)

Principle and application of IGRA

Hideaki Nagai (National Hospital Organization)

Characteristics and cautions of T-spot and Quantiferon

Nobuyuki Harada (Research institute of Immune Diagnosis)

New development in IGRA

Naoki Hasegawa (Keio University)

**24. How to access clinical microbiological testing against countermeasure of antibiotic resistant Gram-negative organisms? (Joint symposium with Japanese Society for Infection Prevention and Control)**

**Feb 3 (Sun) 10:20-12:00 (Jupiter)**

Moderators: Katsunori Yanagihara (Nagasaki University),

Mitsuaki Nagasawa (International University of Health and Welfare)

Devices in cooperation with physicians

Takayuki Ohishi (Saiseikai Yokohama Tobu Hospital)

Devices as a member of AST

Kazuo Takayama (The University of Tokyo)

Advances in detection method of antibiotic resistant Gram-negative bacteria

Yoshitomo Morinaga (Nagasaki University)

Utilization of clinical laboratory data at the antibiotic resistant bacterial outbreak

Yuka Yamagishi (Aichi Medical University)

**25. The microbiological testing that physicians were deeply moved. (Vol. 4)**

**Feb 3 (Sun) 10:20-12:00 (Apollon B)**

**Case 1 A case of a patient with consciousness disorder in which "prediction" from "unexpected laboratory findings" was successful**

Yosuke Tanaka, Miyuki Kurisu (St. Marianna University School of Medicine, Yokohama City Seibu Hospital)

Moderators: Gou Yamamoto (Kobe City Medical Center General Hospital)

Hideaki Katou (Yokohama City University)

**Case 2 A 70-year-old man with transient consciousness disturbance and right hemiplegia**

Gou Yamamoto (Kobe City Medical Center General Hospital)

Kaori Takahara (Kobe City Nishi-Kobe Medical Center)

Moderators: Masakazu Sasaki (Toho University)

Takahito Nei (Nippon Medical School)

Special remarks: Kazuhisa Inuzuka (JA Aichi Health Care Medical Division)

Michiko Abe (former Kitasato University)

**26. Cautionary note of microbiological testing in HIV patients****Feb 3 (Sun) 10:20-12:00 (Apollon A)**

Moderators: Tomohiko Koibuchi (The University of Tokyo)

Tetsuya Horino (Tokyo Jikei University School of Medicine)

Points to note on microbial testing in HIV-infected patients、 Toxoplasmosis

Tokio Hoshina (Tokyo Jikei University School of Medicine)

CMV Infections

Eisuke Adachi (The University of Tokyo)

Precautionary points of testing of Mycobacterium for HIV infection

Masaaki Shinagawa (Sapporo Medical University)

Pneumocystosis

Takuya Hattori (Nagoya First Red Cross Hospital)

Special remarks: From experiences in the early stage of medical treatment for HIV infection patients

Akira Itou (former Yokohama City University)

**27. Epidemiology, diagnosis and treatment of *Clostridioides difficile* infection - including CDI guidelines -****Feb 3 (Sun) 10:20-12:00 (Sirius)**

Moderators: Hiroyuki Kunishima (St. Marianna University)

Mikoto Moriguchi (Kumamoto Rosai Hospital)

Epidemiology

Issei Tokimatsu (Showa University)

Pathophysiology

Nobuaki Mori (Tokyo Medical Center)

Diagnosis

Masahiro Toyokawa (Fukushima Medical University)

Therapeutics

Hiroki Ohge (Hiroshima University)

Special remarks: Masaru Nasu (Former Oita University)

## **28. Symposium on Drug Resistant bacteria (C): Microbiological testing leading to clinical impact**

**Feb 3 (Sun) 14:00-15:40 (Pegasus C)**

Moderators: Tatsuya Nakamura (Kyoto Tachibana University)

Akira Suwabe (Iwate Medical University)

Antigen detection

Kazunari Sonobe (Tokyo Medical And Dental University, Medical Hospital )

Genetic diagnosis

Kayoko Hayakawa (National Center for Global Health and Medicine)

Destination of rapid drug susceptibility testing ~ Current situation and limitation ~

Shinji Ogihara (Yamanashi University)

Devices in bacterial culture

Daisuke Kawahata (Tokyo Medical University Ibaraki Medical Center)

## **29. AMR Countermeasure Surveillance: "Who, what, how"**

**Feb 3 (Sun) 14:00-15:40 (Pegasus B)**

Moderators: Yoshihiro Yamamoto (Toyama University)

Norio Ohmagari (National Center for Global Health and Medicine)

Blood culture

Kazufumi Hiramatsu (Oita University)

Isolation frequency of antibiotic resistant bacteria

Yukihiro Akeda (Osaka University)



Consumption of Antibiotics

Masayuki Maeda (Syowa University)

Consumption of disinfectant

Mayumi Tsukada (Toho University)

Special remarks: Yukinori Kurokawa (Kawasaki Medical College)

### **30. Showcase! Innovative next-generation diagnostic system, breaking the 30 minutes barrier**

**Feb 3 (Sun) 14:00-15:40 (Pegasus A)**

Moderators: Tetsuya Yagi (Nagoya University)

Norihito Kaku (Nagasaki University)

Diagnosis of infectious diseases by detection of ribosomal protein L7/L12 - Application to *Legionella pneumophila* –

Hiroshi Ito (Asahi Kasei Pharma Co., Ltd.)

Molecular Testing for Influenza at Point-of-Care

Norman Moore (Abbott Rapid Diagnostics)

Rapid detection of infected erythrocytes such as malaria parasite - Providing new testing value by the flow cytometry –

Yuuji Itose (Sysmex Corporation)

Development of novel multiplex and super high speed nucleic acid amplification method by PCR technology

Hidenori Nagai (Kyorin Pharmaceutical Co., Ltd.)

### **31. Committee Report Joint Antimicrobial Susceptibility Surveillance Program by 3 Academic Societies**

**Feb 3 (Sun) 14:00-15:40 (Jupiter)**

Moderators: Tomoaki Sato (The University of Tokyo)

Tetsuya Matsumoto (International University of Health and Welfare)

#### **Part 1 - Activity report**

Complicated urinary infection Mitsuru Yasuda (Gifu University)

Gonococcal infection Mitsuru Yasuda (Gifu University)

Respiratory infections                      Katsunori Yanagihara (Nagasaki University)

**Part 2 - 10th Anniversary Special Program of 3 Societies Joint Project**

10th Anniversary Joint Antimicrobial Surveillance Project Achievement

Akira Watanabe (Tohoku Bunka Gakuen University)

Current Situation and Issues

Tetsuya Matsumoto (International University of Health and Welfare)

Surveillance project of increasing importance - from the standpoint of Chairman findings of the Japanese Society of Clinical Microbiology and the Japanese Association of Infectious Disease-

Kazuhiro Tateda (Toho University)

What to expect from future surveillance activities - From the standpoint of Chairman of the Japanese Society of Chemotherapy -

Hiroshi Kiyota (Tokyo Jikei University School of Medicine)

**Part 3: General discussion**

**32. Collaboration between laboratory technologists and pharmacists: as a key player for AMR countermeasure**

**Feb 3 (Sun) 14:00-15:40 (Apollon B)**

Moderator:        Kazuo Takayama (The University of Tokyo)

Kenichi Shizuno (Chiba Kaihin Municipal Hospital)

Our collaboration in "Kyorin"

Yosifumi Nishi (Kyorin University)

Our collaboration in "Keio"

Osamu Iketani (Keio University)

Our collaboration in "Sapporo"

Naoki Wada (Sapporo Tokushinkai Hospital)

Our partnership in "Ishikawa"

Akiko Niikawa (Ishikawa Prefectural Central Hospital)

**33. Basics and application of countermeasures to prevent infection by carry-on: Measles, Norovirus, RS virus, Influenza**

**Feb 3 (Sun) 14:00-15:40 (Apollon A)**

Moderators: Keita Morikane (Yamagata University)

Nobuo Murakami (Gifu University)

Measles are different/mistaken, so it is up to the team to act proactively

Masashi Kasai (Hyogo Prefectural Children's Hospital)

Norovirus

Toshihiro Mitsuda (Tokyo Women's Medical University)

RS virus

Isao Miyairi (National Center for Child Health and Development)

Fundamentals and application of measures against influenza

Tatsuya Kawaguchi (Kumamoto University)

**34. Future vaccine strategy: Who, when, what?**

**Feb 3 (Sun) 14:00-15:40 (Sirius)**

Moderators: Akihiko Saitou (Niigata University)

Kazunori Ohishi (National Institute of Infectious Diseases)

Infant to child

Takashi Nakano (Kawasaki Medical School)

Immunocompromised host

Souhei Harada (Fujita Health University)

Elderly person

Hideaki Nagai (National Hospital Organization Tokyo Hospital)

International travelers

Atsurou Hamada (Tokyo Medical University)

**Special Program: Role of Regional Alliances with the Prefectural Institute of Public Health in Infection Control**

**Feb 2 (Sat) 15:00-17:50 (Apollon A)**

**Part 1: Current status and desires of medical institutions**

Moderators: Shuuhei Fujimoto (Tokai University)  
Satoshi Kimura (Showa University Yokohama Hokubu Hospital)

Present situation and role of the Prefectural institute of Public Health

Masahiro Suzuki (Fujita Health University)

Examination expected from the Prefectural institute of Public Health

Yukio Tawada (National Mie Hospital)

Finding from the Prefectural Institute of Public Health

Yoshinobu Okuno (Osaka Institute of Public Health)

## **Part 2: Current status of testing for rare infectious disease at the Prefectural institute of Public Health**

Moderator: Keigo Shibayama (National Institute of Infectious Diseases)  
Masahiro Suzuki (Fujita Health University)

Measles examination

Yoshihiro Yasui (Aichi Prefectural Institute of Public Health)

SFTS inspection as a Prefectural institute of Public Health

Mutsuyo Gokuden (Kagoshima Prefectural Institute of Environmental Health)

Mosquito-borne viral infections

Tomohiko Takasaki (Kanagawa Prefectural Institute of Public Health)

Bacterial diarrhea

Noriko Konishi (Tokyo Metropolitan Institute of Public Health)