

Keynote Lecture

KL Accelerating tuberculosis drug development

24th, March (Wed) 19:00–21:00

Channel 1

Chairs: Naoya Ohara (Okayama University)

Seiichi Katayama (Okayama University of Science)

KL

Accelerating tuberculosis drug development

○Stewart Cole (Institut Pasteur)

Special Lecture

SL1 Advances in NGS-based bacterial genome analyses

23rd, March (Tue) 14:00–15:00

Channel 1

Chair: Mariko Naito (Nagasaki University)

SL-1

Advances in NGS-based bacterial genome analyses

○Tetsuya Hayashi (Dept. Bact., Fac. Med. Sci., Kyushu Univ.)

SL2 Medical innovation by non-tumorigenic pluripotent reparative Muse cells

25th, March (Thu) 12:45–13:35

Channel 1

Chair: Jun Fujii (Tottori University)

SL-2

Medical innovation by non-tumorigenic pluripotent reparative Muse cells

○Mari Dezawa (Dept. Stem Cell and Histol., Sch. Med., Tohoku Univ.)

Young Researcher Support Symposium

YRS1 International postdoc as my life changing experience —open doors for the future

23rd, March (Tue) 9:15–11:45

Channel 2

Conveners: Yusuke Minato (Fujita Health University)

Hidetada Hirakawa (Gunma University)

Panelist: Yusuke Minato (Fujita Health University),

Hidetada Hirakawa (Gunma University),

Masatoshi Miyakoshi (University of Tsukuba),

Tomoe Kitao (Gifu University), Masato Suzuki

(National Institute of Infectious Diseases),

Takaya Segawa (University of Minnesota)

Video message: E. Peter Greenberg (University of Washington,

Prof.), Gary M. Dunny (University of

Minnesota, Prof.), Jorg Vogel (University of

Wurzburg, Prof.), Maria Hadjifrangiskou

(Vanderbilt University, Associate Prof.),

Elizabeth M. Adamowicz (University of

Minnesota, Postdoc)

YRS1-1

What I obtained and learned in Seattle

○Hidetada Hirakawa (Dept. Bacteriol., Sch. Med., Gunma Univ.)

YRS1-2

Amazing adventure in Boston

○Tomoe Kitao (Dept. Microbiol., Grad. Sch. Med., Gifu Univ.)

YRS1-3

My great challenges as a postdoc from foreign country

○Yusuke Minato (Dept. Microbiol., Sch. Med., Fujita Health Univ.)

YRS1-4

Networking to promote science in Japan

○Masato Suzuki^{1,2} (¹AMR Research Center, National Institute of Infectious Diseases, ²United J-researchers Around the World (UJA))

YRS1-5

Infection biology research in Germany

○Masatoshi Miyakoshi (Fac. Med., Univ. Tsukuba)

**YRS2 Determinants of carrier selection:
building and exploring the project**

23rd, March (Tue) 13:00–15:00
Channel 2

Conveners: Manabu Ato (National Institute of Infectious Diseases)
Yasuhiko Matsumoto (Meiji Pharmaceutical University)

YRS2-1

To find the way to carry on as a scientific researcher in a National Institute

○Manabu Ato (Dpt. Mycobacteriol., Lep. Res. Ctr., Natl. Inst. Infect. Dis.)

YRS2-2

As a bacteriologist

○Yasuhiko Matsumoto (Dept. Microbiol., Meiji Pharm. Univ.)

YRS2-3

Bacterial (researchers) survival strategies

○Nozomu Obana^{1,2} (¹TMRC, Fac. Med., Univ. Tsukuba, ²MiCS, Univ. Tsukuba)

YRS2-4

Strategy to perform academic research in the private company

○Mitsuharu Matsumoto (Res. Lab., Kyodo Milk Industry Co. Ltd.)

YRS3 Promotion of interdisciplinary research

24th, March (Wed) 9:15–11:45
Channel 2

Conveners: Eiji Tamai (Matsuyama University)
Jumpei Uchiyama (Azabu Univ.)

YRS3-1

Let's start joint research on X-ray crystal structure analysis 1 -Actual operation in JAXA-

○Takuya Ishida (Japan Aerospace Exploration Agency)

YRS3-2

Let's start joint research on X-ray crystal structure analysis 2 -pili and lytic enzyme-

○Eiji Tamai (Dept. Infect. Dis., Coll. Pharm., Matsuyama Univ.)

YRS3-3

The challenges of collaboration between different fields for younger researchers; # 1

○Shohei Wakao, Mari Dezawa (Dept. Stem Cell and Histol., Sch. Med., Tohoku Univ.)

YRS3-4

The challenges of collaboration between different fields for younger researchers #2

○Ryo Ozuru, Jun Fujii (Div. Bacteriol., Dept. Microbiol. Immunol., Faculty of Med., Tottori Univ.)

YRS3-5

Targeted antimicrobial therapeutic strategy based on near-infrared photoimmunotherapy for cancer (1)

○Makoto Mitsunaga¹, Hisataka Kobayashi² (¹Div. Gastroenterology, Jikei Univ. Sch. Med., ²Molecular Imaging Branch, CCR, NCI, NIH)

YRS3-6

A targeted antimicrobial therapeutic strategy against different microbial pathogens

○Tadayuki Iwase (Core Res. Facil., Res. Cent. Med. Sci., Jikei Univ.)

YRS3-7

R&D of phage therapy to MRSA infections: (I) Analysis of phage culture by design of experiment

○Jumpei Uchiyama (Sch. Veterinary Medicine, Azabu Univ.)

YRS3-8

R&D of phage therapy to MRSA infections: (II) Cryo-EM analysis of the staphylococcal phages

○Naoyuki Miyazaki (TARA center, Univ. of Tsukuba)

YRS4 Clinical bacteriology research –Collaboration with clinical and infectious disease physicians–

24th, March (Wed) 16:00–18:00
Channel 2

Conveners: Toyotaka Sato (Sapporo Medical University)
Junichi Wachino (Nagoya University)

YRS4-1

Research and interprofessional collaboration in the bacterial laboratory

○Yuki Sato^{1,2}, Satoshi Takahashi^{1,2} (¹Div. Lab. Med, Sapporo Med. Univ. Hosp., ²Dept. Infect. control & Lab. Med, Sapporo Med. Univ. Sch. Med.)

YRS4-2

Towards the application of next-generation sequencing technology in the microbiology laboratory

○Kotaro Aoki (Dept. Microbiol. Infect. Dis., Toho Univ. Sch. Med.)

YRS4-3

Possibility of Immunotherapy for pseudomonas aeruginosa pneumonia

○Mao Kinoshita, Teiji Sawa (Dept. Anesthesiology, Kyoto Prefectural Univ. of Medicine)

YRS4-4

Host-Pathogen's interaction in pneumococcal infection and transmission

○Masamitsu Kono (Wakayama Medical Univ.)

YRS5 Bacteriology survival strategy incorporating industrialization

25th, March (Thu) 9:15–11:45

Channel 2

Conveners: Tadashi Shimamoto (Hiroshima University)

Hiroki Nikawa (Hiroshima University)

YRS5-1

Antiviral action of persimmon tannin and application to hygiene management products

○Tadashi Shimamoto (Food Microbiol. Hygiene, Grad. Sch. Integrated Sci. Life, Hiroshima Univ.)

YRS5-2

Innovation from dentistry

○Hiroki Nikawa (Dept. Oral Biology & Engineering Grad. Sch. Biomedical and Health Sciences Hiroshima Univ.)

YRS5-3

Applications of antibacterial peptide produced by lactic acid bacteria to oral care

○Kohei Nagatoshi (Eco Friendly Institute Ltd.)

YRS5-4

Brown gems open up a new era of brown ocean discovery

○Shinji Fukuda^{1,2,3,4} (¹Inst. Adv. Biosci., Keio Univ., ²KISTEC-KAST, ³Univ. Tsukuba TMRC, ⁴Metabologenomics, Inc.)

YRS5-5

Development of green bioprocess to realize bioeconomy

○Masayuki Inui^{1,2,3} (¹RITE, ²Bio., NAIST, ³GCC)