

The 24th Congress of the Japanese Society for Regenerative Medicine

Overview

Congress Name

The 24th Congress of the Japanese Society for Regenerative Medicine

Theme

Passion, Vision, Action - Regenerative medicine as “Jitsugaku” -

Dates

Thursday, March 20 - Saturday, March 22, 2025

* On-site only

Venue

PACIFICO Yokohama North

President

Masaya Nakamura, MD, PhD

Professor & Chair, Department of Orthopaedic Surgery

Keio University School of Medicine

Congress Secretariat

Congrès Inc.

Onward Park Building 3-10-5 Nihonbashi, Chuo-ku Tokyo 103-8276, JAPAN

E-mail : jsrm2025@congre.co.jp

Program

Day 1 Thursday, March 20

Opening Ceremony

8:20-8:30 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Award Lectures/Award Ceremony

8:30-10:30 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Special Program 1

10:40-11:30 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Moderator: Minako Nagai (Announcer)

Speaker: Yuji Kuroiwa (Governor of Kanagawa Prefecture)

Masaya Nakamura

(Department of Orthopaedic Surgery Keio University School of Medicine)

Sponsored Seminar (Luncheon 1)

Think global

12:00-12:50 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Koji Nishida (The Japanese Society for Regenerative Medicine)

Speaker: Keith Alm (International Society for Stem Cell Research)

Akitsu Hotta (The Japanese Society for Regenerative Medicine)

Sponsored by: The Japanese Society for Regenerative Medicine

Keynote Lecture

13:10-14:00 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masaya Nakamura

(Department of Orthopaedic Surgery Keio University School of Medicine)

Speaker: "Strategies and challenges of regenerative medicine in Japan for next 10 years"

Toshiharu Furukawa (Member of the House of Councillors)

Joint Symposium: The Japanese Society for Regenerative Medicine (JSRM) and "Envisioning Japan's Future through Regenerative Medicine" Research Conference

14:20-16:20 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masaya Nakamura (The Japanese Society for Regenerative Medicine / The 24th Congress of the Japanese Society for Regenerative Medicine)
Hata Ken-ichiro (The Japanese Society for Regenerative Medicine / Forum for Innovative Regenerative Medicine)

Speaker: Hideyuki Okano (The Japanese Society for Regenerative Medicine)
Risa Tanaka (The Graduate School of Project Design)

Moderator: Hata Ken-ichiro (The Japanese Society for Regenerative Medicine / Forum for Innovative Regenerative Medicine)

Panelists: Hideyuki Okano (The Japanese Society for Regenerative Medicine)
Yoji Sato (Division of Drugs, National Institute of Health Sciences)
Yoshitsugu Shitaka (Forum for Innovative Regenerative Medicine)

Moderator: Masaya Nakamura (The Japanese Society for Regenerative Medicine / The 24th Congress of the Japanese Society for Regenerative Medicine)

Panelists: Toshiharu Furukawa (Member of the House of Councillors)
Yuri Okina (The Japan Research Institute, Limited)
Rei Goto (Keio Business School)
Yasuhiro Fujiwara (Pharmaceuticals and Medical Devices Agency)

Special Lecture 1

16:30-17:20 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Yo Mabuchi (Fujita Health University)

Speaker: "Mesenchymal stem cell based therapy in neonatal medicine"
Yun Sil Chang
(Samsung Medical Center, Sungkyunkwan University School of Medicine)

AASCRM Symposium

8:30~10:30 Room9 (G404, PACIFICO Yokohama North 4F)

Chair: Shigeto Shimmura (Fujita Health University)

Mee-Hae Kim
(Laboratory of BioProcess Systems Engineering-Osaka University of Japan)

Speaker: "Development of Mammalian Engineering Biology for Research and Therapeutics"

Wei Li (Institute of Zoology, Chinese Academy of Sciences / Beijing Institute for Stem Cell and Regenerative Medicine)

"Applications of human induced pluripotent stem cells (hiPSCs) in treatment of ALS"

Hideyuki Okano (Keio University Regenerative Medicine Research Center)

"Creation of forebrain assembloids to recapitulate the dynamic cellular interactions during the development of the human schizophrenia brain"

Kunyoo Shin

(School of Biological Sciences College of Natural Sciences Seoul National University)

"Reconstructing tissue microenvironment for studying kidney diseases"

Xia Yun

(Lee Kong Chian School of Medicine, Nanyang Technological University Singapore)

Special Lecture 2

8:30-9:20 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Takanori Takebe (Institute of Integrated Research, Institute of Science Tokyo / Graduate School of Medicine, Osaka University / Commercial Innovation, Center for Stem Cell and Organoid Medicine, Cincinnati Children's Hospital Medical Center / Division of Gastroenterology, Hepatology and Nutrition and Division of Developmental Biology, Cincinnati Children's Hospital Medical Center / Communication Design Center, Yokohama City University)

Speaker: "ORGANOIDS: Understanding Human Disease Biology and Perspectives on Regenerative Medicine"
Toshiro Sato
(Department of Integrated Medicine and Biochemistry, Keio University School of Medicine)

Special Lecture 3

9:30-10:20 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Narihito Nagoshi
(Department of Orthopaedic Surgery, Keio University School of Medicine)

Speaker: "Regenerative Medicine Programs of BDNF Gene Therapy for Alzheimer's Disease and Neural Stem Cell Therapy for Spinal Cord Injury"
Mark H. Tuszynski (Neurosciences, UCSD Translational Neuroscience Institute)

Special Lecture 4

10:40-11:30 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Hideyuki Okano (Keio University Regenerative Medicine Research Center)

Speaker: "Plasticity & Repair after Cervical Spinal Cord Injury"
Michael Lane (Drexel University)

President Lecture

13:10-13:30 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masaya Nakamura
(Department of Orthopaedic Surgery Keio University School of Medicine)

Speaker: "Regenerative Medicine and Drug Development for CNS Disorders"
Hideyuki Okano (Keio University Regenerative Medicine Research Center)

Congress President Lecture

13:30-14:00 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masayo Takahashi (Vision Care Inc.)

Speaker: "Passion, Vision, Action - Regenerative medicine as "Jitsugaku" - "
Masaya Nakamura
(Department of Orthopaedic Surgery Keio University School of Medicine)

Special Lecture 5

14:20-15:20 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masaya Nakamura

(Department of Orthopaedic Surgery Keio University School of Medicine)

Speaker: "Cybernetics X Regenerative Medicine : Future of regenerative medicine evolving through the fusion of interdisciplinary fields"

Yoshiyuki Sankai (University of Tsukuba, CYBERDYNE Inc., SIP, Cabinet Office, the Government of Japan)

Special Lecture 6

15:30-16:20 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masaki Ieda (Keio University School of Medicine)

Speaker: "Cellular Reprogramming in Cardiac Disease"

Deepak Srivastava (Gladstone Institutes and University of California, San Francisco)

Middle and High School Student Session: Awards Ceremony & Commemorative Photo

16:30-17:00 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Symposium 25

Regeneration through Cell Fate Regulation

8:30~10:30 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masaki Ieda (Department of Cardiology, Keio University School of Medicine)

Yasuhiro Yamada (Department of Molecular Pathology, The University of Tokyo)

Speaker: "In vivo reprogramming for tissue regeneration and rejuvenation"

Yasuhiro Yamada (Department of Molecular Pathology, The University of Tokyo)

"Identification of a novel lung stem cell subpopulation with high proliferative capacity that contributes to tissue regeneration"

Mitsuru Morimoto (RIKEN BDR, Lab for Lung Development and Regeneration)

"Programming cells with RNP synthetic biology"

Hirohide Saito (Institute for Quantitative Biosciences, The University of Tokyo, Laboratory of RNP Synthetic Biology and Biotechnology / Center for iPS Cell Research and Application (CiRA), Dept. of Life Science Frontiers)

"Progress in direct reprogramming research and its medical prospects"

Atsushi Suzuki (Division of Organogenesis and Regeneration, Medical Institute of Bioregulation, Kyushu University)

"Cardiac reprogramming for heart regeneration"

Taketaro Sadahiro (Department of Cardiology, Keio University School of Medicine)

Special Lecture 7

10:50-11:40 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Hideyuki Okano (Keio University Regenerative Medicine Research Center)

Speaker: "Medical AI for Regenerative Medicine"

Kazuhiro Sakurada (Department of Extended Intelligence for Medicine, The Ishii-Ishibashi Laboratory, Keio University School of Medicine)

Sponsored Seminar (Luncheon 28)

Highlighting imec's technologies to advance regenerative medicine, including cell processing, biomanufacturing, and automation

12:00-12:50 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Hideyuki Okano (The Japanese Society for Regenerative Medicine)

Speaker: Olivier Henry (Life Science & Medical Device Technologies at imec)

Sponsored by: imec / The Japanese Society for Regenerative Medicine

Special Program 2

Verification of efficacy from single arms in the development of regenerative medicine products

13:00~15:00 Room1 (G1+G2, PACIFICO Yokohama North 1F)

Chair: Masahiro Takeuchi

(Graduate School of Mathematical Sciences, the University of Tokyo)

Shigeru Miyagawa (The Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine)

Speaker: "Validation of the Heart Sheet using real-world data and RMST"

Shigeru Miyagawa (The Department of Cardiovascular Surgery, Osaka University Graduate School of Medicine)

"A mathematical approach to single-arm survival analysis using real-world data"

Nakahiro Yoshida (Graduate School of Mathematical Sciences, University of Tokyo)

"Considerations and Future Perspectives on the Utilization of Synthetic Patient Data: Exploring New Possibilities"

Takuma Ishihara (Innovative and Clinical Research Promotion Center, Gifu University Hospital)

"The Value of Single-Arm Trials in the Development of Regenerative Medical Products for Surgical Treatment"

Morio Ueno (Department of Ophthalmology, Kyoto Prefectural University of Medicine)

"Global trends on the implementation and analysis of Real World Data(RWD) · Real World Evidence(RWE) in clinical research"

Madoka Takeuchi

(Graduate School of Mathematical Sciences, the University of Tokyo)

Closing Ceremony

15:00-15:10 Room1 (G1+G2, PACIFICO Yokohama North 1F)