

12th International Symposium of the Institute Network - Driving Next-Generation Medicine: the Spirit of Pioneering Discovery in Medical Science -

Tuesday, November 28, 2017

9:00-9:05

Opening Remarks

Yoshinori Murakami (The Institute of Medical Science, The University of Tokyo)

Session 1: Degenerative disorders

Chair: Yuji Yamanashi (The Institute of Medical Science, The University of Tokyo)
Ryuta Kawashima (Institute of Development, Aging and Cancer, Tohoku University)

9:05-9:35

S-1 Studies on skeletal muscle regeneration and atrophy

Atsuko Sehara-Fujisawa (Institute for Frontier Life and Medical Sciences, Kyoto University)

9:35-9:50

Y-1 Congenital osteolytic disorders are linked to paradoxical osteoclast functions

Yoichi Ezura (Medical Research Institute, Tokyo Medical and Dental University)

9:50-10:05

Y-2 Discovery of the stress-gateway reflex

Yasunobu Arima (Institute for Genetic Medicine, Hokkaido University)

10:05-10:35

S-2 Common pathologies across multiple neurodegenerative diseases revealed from unbiased approaches

Hitoshi Okazawa (Medical Research Institute, Tokyo Medical and Dental University)

10:35-10:50 Coffee Break

Session 2: Cancer development

Chair: Yoichi Furukawa (The Institute of Medical Science, The University of Tokyo)
Yosuke Takahama (The Institute for Enzyme Research, The University of Tokushima)

10:50-11:20

S-3 Cell competition between normal and transformed epithelial cells

Yasuyuki Fujita (Institute for Genetic Medicine, Hokkaido University)

11:20-11:35

Y-3 Mitochondrial dynamics in lung cancer cells

Atsuko Kasahara (Cancer Research Institute of Kanazawa University)

11:35-12:05

S-4 Recapitulating human colon cancer malignant progression in mouse model

Masanobu Oshima (Cancer Research Institute of Kanazawa University)

12:05-13:05 Lunch

13:05-14:05 **Poster Session**

14:05-15:05 **Special Lecture**

Chair: Hiroshi Kiyono (The Institute of Medical Science, The University of Tokyo)

Innate lymphoid cells: creating tissue-specific immune responses on demand
James Di Santo (Institut Pasteur)

15:05-15:20 Coffee Break

Session 3: Inflammation and immunity

Chair: Koichi Ikuta (Institute for Frontier Life and Medical Sciences, Kyoto University)

Shin-Ichiroh Saitoh (The Institute of Medical Science, The University of Tokyo)

15:20-15:35

Y-4 **Post-transcriptional regulation of inflammation-related mRNAs by Regnase-1**
Takashi Mino (Institute for Frontier Life and Medical Sciences, Kyoto University)

15:35-15:50

Y-5 **Quantitative phosphoproteomics reveal novel TBK1 substrates that link innate immunity and autophagy**
Kou Motani (The Institute for Enzyme Research, The University of Tokushima)

15:50-16:05

Y-6 **TAK1 protects endothelial cell from inflammation induced apoptosis**
Hisamichi Naito (Research Institute for Microbial Diseases, Osaka University)

16:05-16:35

S-5 **Understanding and manipulation of organelle-mediated innate immune response**
Tatsuya Saitoh (The Institute for Enzyme Research, The University of Tokushima)

16:35-17:45 **Poster Session**

Wednesday, November 29, 2017

Session 4: Aging and cancer

Chair: Atsushi Hirao (Cancer Research Institute of Kanazawa University)
Kenzaburo Tani (The Institute of Medical Science, The University of Tokyo)

9:00-9:30

S-6 Roles and mechanisms of cellular senescence in aging and cancer

Eiji Hara (Research Institute for Microbial Diseases, Osaka University)

9:30-9:45

Y-7 O-GlcNAc transferase/host cell factor C1 complex regulates proteasome recovery by modulating NRF1 stability

Hiroki Sekine (Institute of Development, Aging and Cancer, Tohoku University)

9:45-10:15

S-7 Chromosomal instability in cancer and aging

Kozo Tanaka (Institute of Development, Aging and Cancer, Tohoku University)

10:15-150:30 Coffee Break

Session 5: Molecular mechanisms and techniques

Chair: Atsushi Suzuki (Medical Institute of Bioregulation Kyushu University)
Fumitoshi Ishino (Medical Research Institute, Tokyo Medical and Dental University)

10:30-11:00

S-8 ChILT - an immunoprecipitation-free epigenome profiling technology

Yasuyuki Ohkawa (Medical Institute of Bioregulation Kyushu University)

11:00-11:15

Y-8 Construction of DNA origami base gene transcription nano chip

Hisashi Tadakuma (Institute for Protein Research, Osaka University)

11:15-11:30

Y-9 Functional polypeptides encoded by putative long non-coding RNAs

Akinobu Matsumoto (Medical Institute of Bioregulation Kyushu University)

11:30-12:00

S-9 Basal ganglia network mechanisms in cognitive learning

Takatoshi Hikida (Institute for Protein Research, Osaka University)

12:00-12:10 ***Best Poster Awards Ceremony***

12:10-12:15 ***Closing Remarks***

Mutsuhiro Takekawa (The Institute of Medical Science, The University of Tokyo)