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)
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>12:05-13:05</td>
<td>Lunch</td>
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<tr>
<td>13:05-14:05</td>
<td><strong>Poster Session</strong></td>
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<td>14:05-15:05</td>
<td><strong>Special Lecture</strong></td>
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<td>Chair: Hiroshi Kiyono (The Institute of Medical Science, The University of Tokyo)</td>
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<td>Innate lymphoid cells: creating tissue-specific immune responses on demand</td>
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<td>James Di Santo (Institut Pasteur)</td>
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<td>15:05-15:20</td>
<td>Coffee Break</td>
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<td>Session 3: Inflammation and immunity</td>
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<td>Chair: Koichi Ikuta (Institute for Frontier Life and Medical Sciences, Kyoto University) Shin-Ichiroh Saitoh (The Institute of Medical Science, The University of Tokyo)</td>
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<td>15:20-15:35</td>
<td>Y-4 Post-transcriptional regulation of inflammation-related mRNAs by Regnase-1</td>
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<td>Takashi Mino (Institute for Frontier Life and Medical Sciences, Kyoto University)</td>
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<td>15:35-15:50</td>
<td>Y-5 Quantitative phosphoproteomics reveal novel TBK1 substrates that link innate immunity and autophagy</td>
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<td>Kou Motani (The Institute for Enzyme Research, The University of Tokushima)</td>
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<td>15:50-16:05</td>
<td>Y-6 TAK1 protects endothelial cell from inflammation induced apoptosis</td>
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<td>Hisamichi Naito (Research Institute for Microbial Diseases, Osaka University)</td>
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<td>16:05-16:35</td>
<td>S-5 Understanding and manipulation of organelle-mediated innate immune response</td>
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<td>Tatsuya Saitoh (The Institute for Enzyme Research, The University of Tokushima)</td>
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<td>16:35-17:45</td>
<td><strong>Poster Session</strong></td>
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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)