Joint Symposium on Bioimaging between Singapore & Japan  
National University of Singapore  

Saturday, May 20, 2017  
Venue: University Hall Auditorium, 2nd storey, Lee Kong Chian Wing

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<th>Time</th>
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| 0830-0900am   | Registration  
University Hall Auditorium                                                |
| 0900-0910am   | Opening remarks  
Paul MATSUDAIRA,  
Centre for Bioimaging Sciences & Department of Biological Sciences, National University of Singapore |
|               | Symposium 1                                                            |
| 0910-0935am   | Min WU,  
National University of Singapore  
*Information Content of Intracellular Patterns*                                     |
| 0935-1000am   | Lu GAN,  
Centre for Bioimaging Sciences & Department of Biological Sciences, National University of Singapore  
*Exploration of Eukaryotic Nuclei at Molecular Resolution*                          |
| 1000-1025am   | Pakorn (Tony) KANCHANAWONG,  
Department of Biomedical Engineering & Mechanobiology Institute, National University of Singapore  
*Nanoscale Architecture of Cadherin-based Cell Adhesions*                            |
| 1025-1050am   | Yusuke TOYAMA  
Mechanobiology Institute, Department of Biological Sciences, National University of Singapore & Temasek Lifesciences Laboratory, Singapore  
*Tension-Dependent Vinculin Dynamics at Adherens Junction During Cell Boundary Oscillation* |
| 1050-1120am   | Coffee Break                                                          |
| 1120-1220am   | Plenary Lecture 1  
Shin’ichi ISHIWATA  
Department of Physics, Faculty of Science & Engineering, Waseda University, Tokyo, Japan  
*Bio-motile Functions Studied by Microscopic Imaging of Physical Parameters*          |
| 1220-0200pm   | Lunch at University Hall, CBIS visit (starting at 13.10)               |
| 0200-0205pm   | WOMEN IN SCIENCE SYMPOSIUM  
Organizers: Linda J Kenney &                                                |
|               | Opening Address: Organizer, Japan                                      |
| 0205-0230pm   | Reina IKAGA,  
National Institutes of Biomedical Innovation, Health & Nutrition  
Department of Food Science, Otsuma Women’s University, Japan  
*The Role of Aquaporin-8 on Mitochondria*                                           |
| 0230-0255pm   | Tomoko MASAIKE  
Department of Applied Biological Science, Faculty of Science & Technology, Tokyo University of Science  
*Imaging Movements and Reactions of Biomolecules*                                    |
# Symposium 2: Organizer: Takeharu NAGAI

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<th>Time</th>
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<tr>
<td>0900-0925am</td>
<td>Hiroki R UEDA</td>
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<td></td>
<td>Systems Pharmacology, Graduate School of Medicine, University of Tokyo,</td>
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<td>Laboratory of Synthetic Biology, Quantitative Biology Centre, RIKEN</td>
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<td></td>
<td><strong>Whole-body and Whole-organ Clearing and Imaging with Single-cell</strong></td>
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<td><strong>Resolution Toward Organism-Level Systems Biology in Mammals</strong></td>
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<td>0925-0950am</td>
<td>Satoshi NISHIMURA</td>
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<td>Center for Molecular Medicine, Jichi Medical University, Tochigi, Japan</td>
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<td></td>
<td><strong>Minor Changes but Major Future Impacts, can be Revealed by Extensive</strong></td>
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<td>and High-Through-Put In Vivo Visualization Using 4K/8K CMOS Sensors</td>
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<td>0950-1015am</td>
<td>Katsumasa FUJITA</td>
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<td>Department of Applied Physics, Osaka University, Japan</td>
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<td><strong>Raman Microscopy for Molecular Imaging of Living Cells</strong></td>
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<td>1015-1040am</td>
<td>Takeharu NAGAI</td>
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<td>The Institute of Scientific and Industrial Research, Osaka University</td>
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<td><strong>Development of Techniques for Imaging Physiological Functions Toward</strong></td>
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<td><strong>Visualization of Minority Cells</strong></td>
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<td>1040-1110am</td>
<td>Coffee Break</td>
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<td>1110-1210am</td>
<td>Plenary Lecture 2</td>
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<td>Michael SHEETZ,</td>
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<td>Mechanobiology Institute, National University of Singapore</td>
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<td><strong>Integrin Clusters: A Robust Way to Organize Adhesions for Cell Mechanics</strong></td>
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<td>1210-1220pm</td>
<td>Closing Remarks:</td>
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<td>Kazuo SUZUKI</td>
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<td>Department of Immunology, National Institute of Infectious Diseases, Japan</td>
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<td>1220-0200pm</td>
<td>Lunch at MBI, Level 10; MBI visit starting at 0100 pm</td>
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