

# 23rd iCeMS International Symposium

## Emerging Science for Unlocking Cell's Secrets

May 30–31, 2017

KUIAS/iCeMS Main Building  
2F Seminar Room



### Speakers:



**Miki Ebisuya** (RIKEN QBIC)  
Synthetic Developmental Biology



**Daishi Fujita** (Univ of Tokyo)  
Extended Goldberg Polyhedra Embodied by Self-Assembly



**Shinya Hagihara** (Nagoya Univ)  
Controlling Plant Growth and Development with Synthetic Molecules



**Hideki Hirori** (iCeMS)  
Strong THz Pulse Generation Technologies to Ultrafast Atomic-Scale Microscopy



**Yu Hoshino** (Kyushu Univ)  
Development of Protein-Mimic Nanoparticles for Effective CO<sub>2</sub> Separation



**Ken-ichiro Kamei** (iCeMS)  
Nanostructured Artificial Extracellular Matrices for Regenerative Medicine



**Koki Kamiya** (Kanagawa Inst of Industrial Sci and Tech)  
Artificial Cell Assembly Using Bottom-Up Approach



**Masaaki Kitano** (Tokyo Inst of Tech)  
Application of Inorganic Electrides for Ammonia Synthesis



**Yuko Mimori-Kiyosue** (RIKEN CLST)  
Exploring Cellular Secrets with Lattice Light-Sheet Microscopy — Hidden Mechanisms Actuating Mitotic Apparatus



**Mitsuharu Midorikawa** (Doshisha Univ)  
Imaging Exocytosis and Pre-Exocytotic Activities of Single Synaptic Terminals at Mammalian Presynaptic Terminals



**Yasushi Okada** (RIKEN QBIC / Univ of Tokyo)  
Development and Application of High-Speed, High-Resolution Quantitative Live Cell Imaging



**Kole T Roybal** (Univ of Calif San Francisco)  
Hacking Immune Cells to Expand Their Therapeutic Potential



**Kaoru Sugimura** (iCeMS)  
Quantifying and Modelling Epithelial Morphogenesis



**Yasufumi Takahashi** (Kanazawa Univ)  
Live Cell Nanoscale Topography and Chemical Imaging by Using Scanning Ion Conductance Microscopy and Scanning Electrochemical Microscopy



**Yusuke Toyama** (National Univ of Singapore)  
Mechanical Forces behind Tissue Morphogenesis



**Rikiya Watanabe** (Univ of Tokyo)  
Artificial Cell-Membrane Microsystems Accelerates Membrane Protein Studies

Free of charge, registration not required

See program details on our website



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