

iCeMS Mini-Symposium on Mechanobiology

September 18th, 2018

14:00 ~ 17:00

Seminar room, 2nd floor of KUIAS iCeMS Main Building

<https://www.icems.kyoto-u.ac.jp/ja/access/>

All researchers are welcome to attend. No registration is required. The talks will be conducted in English.

- 14:00-14:05 Opening remarks
- 14:05-14:35 **Alexander Dunn** (Associate Professor at Stanford University)
“Two physical mechanisms by which cells may regulate tissue architecture”
- 14:40-15:10 **Pere Roca-Cusachs** (Associate Professor at Universitat de Barcelona and
Group leader at Institute for Bioengineering of Catalonia)
“Sensing the matrix: transducing mechanical signals from integrins to the nucleus”
- 15:15-15:45 **Masatoshi Morimatsu** (Assistant Professor at Okayama University)
“Mechanical Regulation of Cellular Homeostasis”
- 15:45-16:00 Coffee break
- 16:00-16:50 [Plenary lecture]
Michael P. Sheetz (Director of Mechanobiology Institute, NUS and
Emeritus Professor at Columbia University)
“Engineering Regeneration and Cancer Through Suppression of Rigidity Sensing”
- 16:50-17:00 Closing remarks, Group photo

About Professor Michael P. Sheetz



Professor Michael P. Sheetz is one of the pioneers in the field of mechanobiology and biomechanics. He has been worked on molecular mechanisms of how physical force is sensed by the cell and transduced into cellular signaling. He and colleagues were awarded the 2012 Albert Lasker Basic Medical Research Award for their research about “Motor proteins that contact muscles and enable cell movement”.

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Kengaku group,
Institute for Integrated Cell-Material Sciences (iCeMS),
Kyoto University Insitute for Advance Study (KUIAS)
kengaku-g@icems.kyoto-u.ac.jp

