

# Keio University International Symposium on

# Advanced Technologies for

# Mechano-biology and Regenerative Medicine

Sep. 21st (Fri), 2018

## Scope

Toward the realization of regenerative medicine, engineering technologies for constructing biological functional tissues *in vitro* have become important. In particular, the importance of "mechanical stimulation" is re-recognized in "formation of matured tissues" required for advanced medical treatment and personalized drug testing. This international symposium aims to invite researchers with diverse backgrounds relating the topics from the world, to provide a forum for active discussions and to disseminate the latest research results to the world. The topic of the symposium is not limited to mechanobiology and regenerative medicine: it includes a wide variety of scientific topics and technologies based on medicine, mechanical engineering, materials science, biophysics, optical imaging technology. We also aim to find an opportunity for the future international collaborations by forming networking between researchers and students.

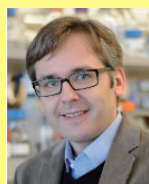
## Invited Speakers



**John Lock**  
University of New South  
Wales



**James Friend**  
University of California,  
San Diego



**Thomas Zwaka**  
Icahn School of Medicine  
at Mount Sinai



**Hyung-suk Lee**  
Yonsei University



**Kazuya Kabayama**  
Osaka University



**Jun Fujita**  
Keio University



**Michinao Hashimoto**  
Singapore University of  
Technology and Design



**Noriko Hiroi**  
Sanyo-onoda City University

## Topics

- Regenerative medicine
- Stem cell differentiation
- 3D tissue engineering
- Mechanobiology
- Bioinspired surface
- Biomaterials
- Cell/tissue imaging
- Cell/tissue biophysics
- Ultrasonic cell/tissue manipulation
- 3D printing technology
- Microfluidics/MEMS

## Symposium committee

- |                  |                |
|------------------|----------------|
| Hiroaki Onoe     | Keiichi Fukuda |
| Kenjiro Takemura | Jun Fujita     |
| Shogo Miyata     | Shugo Tohyama  |
| Yuta Kurashina   |                |

## Venue

Keio University



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MMR, Yagami Campus, Keio University  
(3-14-1 Hiyoshi, Kouhoku-ku, Yokohama, Kanagawa, 223-8522, Japan)

