

2nd circular for the 6CENGMSNS2017

The 6th Conference on Exploring Next-Generation Materials Science and Nanoscience (6CENGMSNS)

This conference was started in 2012 by volunteer researchers who belonged to the two JST PRESTO (Precursory Research for Embryonic Science and Technology) research groups “Structure Control and Function” & “Nanosystems and Emergent Functions”. Since then this conference has been regularly held every year. In recent years, intimate communication between researchers in the interdisciplinary field beyond their own has been progressively indispensable for the creation and implementation of the next generation science and technologies useful and valuable for our future. This workshop aims to trigger new cooperative research exploring interdisciplinary frontier science and to deepen mutual understanding between researchers from various fields through fruitful discussions and close friendships.

Organized by: Research Group of Exploring Next-Generation Materials Science and Nanoscience

Local organizing committee: Osamu Urakawa (Osaka University),

Akira Kakugo (Hokkaido University)

Yoshiyuki Kageyama (Hokkaido University)

Sponsored by: Frontier Chemistry Center (FCC), Faculty of Engineering, Graduate School of Chemical Sciences and Engineering, Hokkaido University

Frontier Chemistry Center
フロンティア化学教育研究センター

Date: Jan. 7 (Sat), 2017

Venue: Niseko Chomin Center, Lecture Room 2

95 Fujimi, Niseko, Abuta, Hokkaido 048-1501, JAPAN. Phone 0136-44-2221

<http://nisekoalpineaccommodation.com/niseko/niseko-community-centre-chomin/>



Registration fee: 2,000 JPY, Reception fee: 4,000JPY

Tentative Schedule

Jan 7th, 2017

13:00 Registration

13:55-14:00 Opening Remark

Session 1: Chaired by Osamu Urakawa (Osaka University)

14:00-14:25 Nobuyoshi Miyamoto (Fukuoka Institute of Technology)
Nanosheet/pNIPA composite gel

14:25-14:55 Younsoo Kim (Tokyo University)
Anisotropic Hydrogel Actuators Enabled by Uniformly Aligned Inorganic
Nano Sheets

Session 2: Chaired by Akira Kakugo (Hokkaido University)

15:05-15:35 Naoki Sakai (RIKEN)
Structure-based drug design for viral proteins

15:35-16:00 Shinichiro Nomura (Tohoku University)
Molecular robotics approach for creating artificial cells

Session 3: Chaired by Yoshiyuki Kageyama (Hokkaido University)

16:10-16:40 Thorsten Schmidt (Technische Universität Dresden)
DNA nanotechnology for biological, biophysical and plasmonic applications

16:40-17:05 Akinori Kuzuya (Kansai University)
DNA origami ...

17:05-17:30 Kensuke Osada (Tokyo University)
Control of pDNA packaging by block copolymers

19:00-21:00 Reception