

**Nanomaterials Colloquium**  
**-From molecules to nanomaterials-**  
**Sep.28, 2013**  
**Room C**

Chaired by Masato Kakihana (Tohoku Univ.) and Hidero Unuma (Yamagata Univ.)

**Sep. 28 (Sat.)**

**10:00 – 11:30   Chaired by Hidero Unuma -**

- 28C1   Mitsuo Umetsu (Tohoku University, Japan)  
      "Smart bio-design for interface molecules between nanomaterials"
- 28C2   Yoshimune Nonomura (Yamagata University, Japan)  
      "Fractal agar gel: a biomimetic system with hydrophilic and hierarchical properties"
- 28C3   Sayaka Uchida (The University of Tokyo, Japan)  
      "Polyoxometalate-Based Functional Ionic Crystals"

**13:30 – 15:30   Chaired by Yoshimune Nonomura -**

- 28C4   Tsukasa Yoshida (Yamagata University, Japan)  
      "Inorganic Nanostructures for Organic Solar Cells"
- 28C5   Hirotomo Nishihara (Tohoku University, Japan)  
      "Energy storage in nanocarbons and nanocomposites"

**Chaired by Masato Kakihana-**

- 28C6   Feng Dang (Nagoya University, Japan)  
      " $\text{SrTiO}_3$  nanocubes and their self-assembled film for thermoelectric application"
- 28C7   Masato Kurihara (Yamagata University, Japan)  
      "Development of Low-temperature Sintering Silver and Copper Nanoparticles toward Realization of Printed Electronics"