



***The First Symposium of Chiral Molecular Science and Technology
in Chiba University
‘-Advanced Materials Science, Biology & Nanophotonics in Chiba-’
Sponsored by Molecular Chirality Research Center (MCRC)***

2016. 2. 29. (Mon.)

- 10:00-10:15 ***Opening Remark***
Takeshi Tokuhisa (President, Chiba University)
Takashige Omatsu (MCRC Director, Chiba University)
- 10:15-11:45 ***Synthetic Chemistry***
- 10:15-10:55 C. T. Chen (National Tsing Hua University, Taiwan)
New Dimensions of Vanadyl Species in Ion Specific Sensing and Asymmetric Amplified Transcription
- 10:55-11:25 Takashi Ooi (Nagoya University, Japan)
Toward Catalytic Control of Photoinduced Radical Reactions
- 11:25-11:45 Takayoshi Arai (Chiba University, Japan)
Solid-phase Catalysis/CD-HTS and Diversity-oriented Asymmetric Catalysis (DOAC)
- 11:45-13:30 ***Lunch Break***
- 13:30-15:30 ***Photonics***
- 13:30-14:10 Kishan Dholakia (University of St. Andrews, UK)
Shaping Light for Manipulation and Biomedical Imaging
- 14:10-14:40 Hajime Ishihara (Osaka Prefecture University, Japan)
Manipulation of nanostructures by resonant optical responses
- 14:40-15:10 Kazuhiko Misawa (Tokyo University of Agriculture and Technology, Japan)
Vector-field control of ultrashort laser pulses for angular momentum transfer
- 15:10-15:30 Takashige Omatsu (Chiba University, Japan)
Nano materials science based on optical angular momentum transfer
- 15:30-16:00 ***Coffee Break***
- 16:00-17:30 ***Poster Session & Exhibition***
- 18:00-20:00 ***Welcome Reception***

2016. 3. 1. (Tues.)

- 10:00-12:00 ***Structural and Molecular Biology***
- 10:00-10:40 Thomas Meier (Imperial College London, UK)
Structure of complete rotary ATP synthase and its role as new drug target against tuberculosis
- 10:40-11:00 Takeshi Murata (Chiba University, Japan)
New technology for human membrane protein crystallography
- 11:00-11:30 Kazuhiro Maeshima (National Institute of Genetics, Japan)
Chromatin fluctuation in living mammalian cells
- 11:30-11:50 Akira Matsuura (Chiba University, Japan)
Road to cellular senescence: functional link between nuclear architecture and genome integrity
- 11:50-13:30 ***Lunch Break***
- 13:30-15:50 ***Nanoscience***
- 13:30-14:10 Ron Naaman (The Weizmann Institute of Science, Israel)
The chiral induced spin selectivity- From spintronics to water splitting
- 14:10-14:30 Toyokazu Yamada (Chiba University, Japan)
Growth of atomically-flat bcc-Fe/MgO(001) films on Fe(001)-p(1x1)O
- 14:30-15:10 David Cahen (The Weizmann Institute of Science, Israel)
Solid State Electron Transport across Peptides: Importance of Coupling to Electrodes (tentative)
- 15:10-15:30 Hisao Ishii (Chiba University, Japan)
Photoemission in atmospheric environment: from organic semiconductor to biomolecule
- 15:30-15:50 Shiki Yagai (Chiba University, Japan)
Metastable Molecular Assemblies as a New Material Design
- 15:50-16:00 ***Closing Remark***
Takashige Omatsu (MCRC Director, Chiba University, Japan)
- 16:00-17:30 ***Lab Tour***
- 17:40-19:40 ***Closing Dinner***