

# 5<sup>th</sup> Symposium on Chemical Approaches to Chirality

December 1, 2008  
Morito Memorial Hall



Chiral Materials Research Center  
Tokyo University of Science

## PROGRAM

10:25–10:30 Opening Remarks Dr. Shin Takeuchi (President, Tokyo University of Science)

10:30–11:15 **Plenary Lecture (PL-1)** Chairperson: Tsuneomi Kawasaki (Tokyo University of Science)

**Mechanical Induction of Molecular Chirality: Recent Results in a Hot Topic**  
Josep M. Ribó  
*University of Barcelona, Spain*

11:15–11:50 **Invited Lecture (IL-1)** Chairperson: Tsuyoshi Satoh (Tokyo University of Science)

**Total Synthesis of Multioxygenated Compounds  
Using Asymmetric Mukaiyama Aldol Reaction**  
Isamu Shiina  
*Tokyo University of Science, Japan*

11:50–13:00 Lunch

13:00–14:10 **Poster Session**

14:10–14:55 **Plenary Lecture (PL-2)** Chairperson: Shinichi Saito (Tokyo University of Science)

**Rationalization of the Soai Reaction:  
Search for the Link Between Essential Dynamics and Structural Needs**  
Thomas Buhse  
*Universidad Autónoma del Estado de Morelos, Mexico*

14:55–15:40 **Plenary Lecture (PL-3)** Chairperson: Yujiro Hayashi (Tokyo University of Science)

**Enantioselective Catalysis by Chiral Brønsted Acid  
through Hydrogen Bonding as Strategic Interaction**  
Masahiro Terada  
*Tohoku University, Japan*

15:40–16:00 Coffee Break

16:00–16:45 **Plenary Lecture (PL-4)** Chairperson: Takao Saito (Tokyo University of Science)

**Additive Chiral Transfer from Stereogenic Centres to Aggregates in Soft Materials**  
David B. Amabilino  
*Institute of Science of Materials of Barcelona, Spain*

16:45–17:30 **Plenary Lecture (PL-5)** Chairperson: Tadashi Nakata (Tokyo University of Science)

**Chiral Isobornyl Sulfonamides in Asymmetric Catalysis**  
Miguel Yus  
*University of Alicante, Spain*

17:30–17:35 Closing Remarks Kenso Soai (Tokyo University of Science)

17:40– Banquet

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