

# Symposia - B05

## Chiral Micro & Nano Materials

Oct. 15 (Sunday), 2023

Conference Room: 7109, -1# floor

---

### 9:00-10:40 Session I

**Chair: Prof. Zhifeng Huang** (The Chinese University of Hong Kong)

9:00-9:35 (B05-01)

**Chiral electronic and excitonic properties in twisted bilayers** (Keynote)

Prof. Wang Yao, The University of Hong Kong, China

9:35-10:00 (B05-02)

**Series of Research on Chiral Colloidal Semiconductor Nanocrystals** (Invited)

Prof. Xiaoqing Gao, Wenzhou Institute, University of Chinese Academy of Sciences, China

10:00-10:25 (B05-03)

**Synchronous analysis of chiral mesostructured inorganic crystals by electron microscopy** (Invited)

Prof. Lu Han, Tongji University, China

10:25-10:40 (B05-04)

**Chiral Inorganic Nanoparticle-based Biosensors** (Oral)

Prof. Changlong Hao, Jiangnan University, China

10:40-11:00 Coffee Break

### 11:00-11:50 Session II

**Chair: Prof. Wang Yao** (The University of Hong Kong)

11:00-11:25 (B05-05)

**Inorganic chiral nanomaterials for disclosing the origin of homochirality** (invited)

Prof. Zhifeng Huang, The Chinese University of Hong Kong, China

11:25-11:50 (B05-06)

**Chiral plasmonics and chiral sensing** (Invited)

Prof. Tao Ding, Wuhan University, China

12:00-14:00 Lunch

### 14:00-15:40 Session III

**Chair: Prof. Pengfei Duan** (National Center for Nanoscience and Technology)

14:00-14:35 (B05-07)

**Chiral Mesostructured Inorganic Materials with Various Chiral Anisotropy** (Keynote)

Prof. Shunai Che, Shanghai Jiao Tong University, China

14:35-15:00 (B05-08)

**Constructing desired chiral structures with satisfying CPL for practice** (Invited)

Prof. Taotao Zhuang, University of Science and Technology of China, China

15:00-15:25 (B05-09)

**Engineering the Chiral Interfaces on Metal Nanostructures for Chiral Discrimination and Chiroplasmonic Sensing** (Invited)

Prof. Wenxin Niu, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China

15:25-15:40 (B05-10)

**Multielementary Alloy Chiral Nanoparticles with Strong Optical Activities** (Oral)

Dr. Lin Yang, Hong Kong Baptist University, Institute for Research and Continuing Education (IRACE), China

15:40-15:55 Coffee break

### 15:55-17:50 Session IV

**Chair: Dr. Junjun Liu** (Shenzhen Polytechnic University)

15:55-16:20 (B05-11)

**Circularly polarized luminescence properties and applications of hierarchically chiral nanomaterials** (invited)

Prof. Pengfei Duan, National Center for Nanoscience and Technology, China

16:20-16:45 (B05-12)

**Biological Effects of Chiral Nanoparticles** (Invited)

Prof. Liguang Xu, Jiangnan University, China

16:45-17:10 (B05-13)

**Synthesis of chiral nanomaterials for potential applications** (Invited)

Prof. Guangchao Zheng, Zhengzhou University, China

17:10-17:25 (B05-14)

**DNA Origami Guided Precise Fabrication of Chiral Nanostructures** (Oral)

Dr. Jinyi Dong, Suzhou Institute of Nano-Tech and Nano-Bionics, CAS, China

18:00 Dinner