AGENDA

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中国科学院化学研究所

ACS PUBLICATIONS SYMPOSIUM
INNOVATION IN MOLECULAR SCIENCE
IN PARTNERSHIP WITH ICCAS **BEIJING, CHINA | OCT 23-25, 2016**

ACS全球科技研讨会：分子科学前沿

SUNDAY OCTOBER 23

	Registration
14:00–14:15	Opening Remarks
14:15–18:10	**PLENARY 1: FUNCTIONAL MOLECULAR MATERIALS**
14:15–15:00	KEYNOTE From Discrete Metal Complexes and Coordination Motifs to Supramolecular Assembly, Nanostructures and Functions **VIVIAN YAM,** *University of Hong Kong, China*
15:00–15:30	Ferroelectric Molecular Magnets and Single-Ion Magnets **SONG GAO,** *Peking University, China*
15:30–16:00	Coffee break
16:00–16:30	Designed Construction of Zeolitic Nanoporous Materials **JIHONG YU,** *Jilin University, China*
16:30–17:00	Interfacing Nanomaterials with Biology: Applications in Therapeutics and Diagnostics **VINCENT ROTELLO,** *University of Massachusetts Amherst, USA*
17:00–17:30	Stimuli-Responsive Functional Supramolecular Systems **HE TIAN,** *East China University of Science and Technology, China*
17:30–17:40	Quinoid-Type Optoelectronic Materials **ZHU XIAOZHANG,** *Institute of Chemistry, Chinese Academy of Sciences, China*
17:40–17:50	Supramolecular Studies on PDI- and NDI-based Opto-electronic Materials **ZHAO DAHUI,** *Peking University, China*
17:50–18:00	Optimizing the Nanostructure of Electrode Materials for Improved Battery Performance **CAO ANMIN,** *Institute of Chemistry, Chinese Academy of Sciences, China*
18:00–18:10	Three-dimensional Protonic Conductivity in Porous Organic Cage Solids **LIU MING,** *University of Liverpool, UK*
18:30–19:30	Dinner
19:30–20:30	Evening Event

MONDAY OCTOBER 24

8:30–12:25	**PLENARY 2: MOLECULAR CATALYSIS AND SELECTIVE SYNTHESIS**
8:30–9:15	KEYNOTE Iron Catalysis for Organic Synthesis **EIICHI NAKAMURA,** *University of Tokyo, Japan*
9:15–9:45	Cooperative Catalysis in Asymmetric Synthesis and CO_2 Transformation **KUILING DING,** *Shanghai Institute of Organic Chemistry, China*
9:45–10:15	Photocatalytic Water Dissociation on Oxide Surfaces **XUEMING YANG,** *Dalian Institute of Chemical Physics, Chinese Academy of Sciences, China*
10:15–10:45	Coffee break
10:45–11:15	Asymmetric Catalysis with Peptides and Other Bioinspired Catalysts **HELMA WENNEMERS,** *ETH Zürich, Switzerland*
11:15–11:45	Privileged Chiral Spiro Catalysts **QI-LIN ZHOU,** *Nankai University, China*
11:45–11:55	Bio-inspired Chiral Primary Amine Catalysis **SANZHONG LUO,** *Institute of Chemistry, Chinese Academy of Sciences, China*
11:55–12:05	Does Each Atom Count in the Reactivity of Vanadia Nano-Clusters? **HE SHENGGUI,** *Institute of Chemistry, Chinese Academy of Sciences, China*
12:05–12:15	From Molecular Catalysis to Functional Materials: The Versatile Toolbox of Functional Insertion Polynorbornenes **JEROME CLAVERIE,** *Sherbrooke University, Canada*
12:15–12:25	Ligand-Controlled Cobalt-Catalyzed Transfer Hydrogenation of Alkynes: Stereodivergent Synthesis of Z- and E-Alkenes **QIANG LIU,** *Tsinghua University, China*
12:25–14:00	Lunch & Poster Session 1

MONDAY OCTOBER 24

14:00–18:00	PLENARY 3: **SUPRAMOLECULAR SELF-ASSEMBLY**
14:00–14:45	KEYNOTE Designing Function in Porous Molecular Solids **ANDREW I. COOPER,** *University of Liverpool, United Kingdom*
14:45–15:15	Surface Molecular-Assembly Engineering: Method and STM Imaging **LI-JUN WAN,** *University of Science and Technology of China/ICCAS, China*
15:15–15:45	Abiological Self-Assembly: Predesigned Metallacycles and Metallacages via Coordination **PETER J. STANG,** *University of Utah, USA*
15:45–16:15	Coffee break
16:15–16:45	Nanopatterning of Semiconductor Surfaces with Self-Assembling Block Copolymers: Polymers and Plasmonics **JILLIAN BURIAK,** *University of Alberta, Canada*
16:45–17:15	Supramolecular Free Radicals **XI ZHANG,** *Tsinghua University, China*
17:15–17:25	Carbon Electrode-Molecule Junctions: A Reliable Platform for Molecular Electronics **GUO XUEFENG,** *Peking University, China*
17:25–17:35	Functional Bistable Rotaxanes: Synthesis, Function and Controllable Self-Assembly **QU DA-HUI,** *East China University of Science and Technology, China*
17:35–17:45	Stimuli-Responsive Functional Materials via Hierarchical Self-Assembly Involving Coordination Interactions **YANG HAI-BO,** *East China Normal University, China*
17:45–17:55	Hydrogen-Bonded Supramolecular Polymer-Based Fluorescent Nanoparticles **QING-ZHENG YANG,** *Beijing Normal University, China*
18:30–20:00	Evening Event

TUESDAY OCTOBER 25

8:30–12:10	PLENARY 4: **THE CHEMISTRY-BIOLOGY INTERFACE**
8:30–9:00	Interrogating DNA Structure and Folding Dynamics with a Protein Nanopore **CYNTHIA J. BURROWS,** *University of Utah, USA*
9:00–9:30	DNA Nanostructures and Networks for Molecular Medicine **WEIHONG TAN,** *Hunan University, China and University of Florida, USA*
9:30–10:00	Diverse Ways to Control Biological Networks **LUHUA LAI,** *Peking University, China*
10:00–10:30	Coffee break
10:30–11:00	Magnetic Nanoparticles: A Precision Tool for Cell Imaging and Activations **JINWOO CHEON,** *Yonsei University, South Korea*
11:00–11:30	Molecular Mechanism Analyses of Toxicities of Nanomaterial & Nanomedicine: Nano-Bio Interface Interactions **YULIANG ZHAO,** *National Center for Nanoscience and Technology, China*
11:30–11:40	Design of Optical Functional Conjugated Molecules for Sensing and Biomedical Applications **WANG SHU,** *Institute of Chemistry, Chinese Academy of Sciences, China*
11:40–11:50	Harnessing Intracellular Protein Chemistry for Precision Nanomedicine **WANG MING,** *Institute of Chemistry, Chinese Academy of Sciences, China*
11:50–12:00	Pathological Condition Driven Polymeric Self-Assembly for Drug Delivery and Bioimaging **WANG HAO,** *National Center for Nanoscience and Technology, China*
12:00–12:10	Self-Assembly of Organic Molecules for Bioimaging and Cancer Therapy **XIE ZHIGANG,** *Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China*
12:10–12:20	Deep Cavitand Acts as a Fluorescence Displacement Sensor for Lysine Methylation **ZHONG WENWAN,** *University of California, Riverside, USA*
12:20–14:00	Lunch & Poster Session 2
14:00–18:00	PLENARY 5: **SUSTAINABLE CHEMISTRY AND ENERGY**
14:00–14:45	KEYNOTE CO_2 + H_2O + Sunlight --> Chemical Fuels + O_2 **PEIDONG YANG,** *University of California, Berkeley, USA*
14:45–15:15	Conversion of CO_2 and Biomass into Chemicals and Energy Materials **BUXING HAN,** *Institute of Chemistry, Chinese Academy of Sciences, China*
15:15–15:45	Coffee break
15:45–16:15	Chemistry of and Catalysis by Nanoparticles **SCOTT ANDERSON,** *University of Utah, USA*
16:15–16:45	Two-Dimension-Conjugated Polymer Donor Materials for Polymer Solar Cells **YONGFANG LI,** *Institute of Chemistry, Chinese Academy of Sciences, China*
16:45–17:30	Panel Discussion: Future Challenges for the Field
17:30–17:45	Poster Prize Award Presentation
17:45–18:00	Closing Remarks