

28-29 MAY 2018
The 5th Fudan-UC Berkeley
WORKSHOP on
**MATERIALS
BEYOND**

复旦大学江湾校区 | 先进材料实验室 | 一楼报告厅

5月28日 (周一)

08:50-09:00 Opening

09:00-09:35 **Omar Yaghi** (UC Berkeley)

Harvesting Water from Air

09:35-10:10 **Takuzo Aida** (University of Tokyo)

Polymers with Anomalous Properties

10:10-10:35 Break/Photo

10:35-11:10 **Lars Samuelson** (Lund University)

Novel Approaches towards Functional III-V
and III-Nitride Nano-Materials

11:10-11:45 **Bianxiao Cui** (Stanford University)

The Role of Membrane Curvature at
the Cell-Nanomaterial Interface

13:30-14:05 **Peidong Yang** (UC Berkeley)

Liquid Sunlight

14:05-14:40 **Shuhong Yu** (USTC)

Bio-Inspired Synthesis and Assembly of Functional Materials

14:40-15:15 **Matthew Hill** (CSIRO & Monash University)

Towards Practical Application of MOFs

15:15-15:35 Break

15:35-16:10 **Fan Zhang** (Fudan University)

Near-Infrared Multiplexed Biodetection

16:10-16:45 **David Fairen-Jimenez** (University of Cambridge)

The Role of High-throughput Computational Screening
in Materials Discovery and Engineering

5月29日 (周二)

09:00-09:35 **Dongyuan Zhao** (Fudan University)

Oriented Assembly of Functional Mesoporous Materials

09:35-10:10 **Bartosz Grzybowski** (UNIST, Korea)

Droplets, Reactors, and Micromachines Actuated by Light

10:10-10:45 **Yujie Xiong** (USTC)

Coupling Solar Energy into Catalytic Reactions

10:45-11:05 Break

11:05-11:40 **Dan Wang** (Inst. Proc. Eng., CAS)

Multi-Shelled Hollow Nanostructured Materials

11:40-12:15 **Angang Dong** (Fudan University)

Designing New Functional Materials
by Colloidal Nanocrystal Assembly

13:30-14:05 **Luke Lee** (UC Berkeley)

Quantum Biological Electron Tunneling (QBET) Junctions and
its Applications in Life Sciences and Medicine

14:05-14:40 **Feihe Huang** (Zhejiang University)

Pillararene-Based Nonporous Adaptive Crystals
for Separation and Adsorption

14:40-15:15 **Qiaowei Li** (Fudan University)

MOFs with Multicomponents in Order

15:15-15:35 Break

15:35-16:10 **Theresa Reineke** (University of Minnesota)

Controlled Polymer Assemblies to Promote Drug Delivery
and Cellular Genome Editing

16:10-16:45 **Yanguang Li** (Soochow University)

Engineering Bismuth-Based Nanostructures for Electrocatalytic
and Solar Conversion of CO₂

16:45-16:55 Closing



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