

KEYSTONE SYMPOSIA

on Molecular and Cellular Biology

GPCR Signaling Drug Discovery - Modeling from Molecules to Cells (S8)

October 25-28, 2020 • ShanghaiTech University • Pudong, Shanghai, China

Scientific Organizers: Raymond Stevens, Beili Wu, Andrej Sali and Bei B. Zhang

Organized in Collaboration with ShanghaiTech University

Scholarship Deadline: July 8, 2020 / Abstract Deadline: July 23, 2020 / Discounted Registration Deadline: August 25, 2020

SUNDAY, OCTOBER 25

Arrival and Registration

MONDAY, OCTOBER 26

Imaging Across Scales – Molecules I

Bei B. Zhang, Pfizer Inc., USA

Making a Silent Receptor Talk – Discovery of Small Molecule GLP1-R Agonist

Malcolm Weir, Heptares, UK

GPCR Structure Based Drug Discovery

Beili Wu, Shanghai Institute of Materia Medical, CAS, China

GPCR Structure-Function

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

Imaging Across Scales – Molecules II

Bridget Carragher, New York Structural Biology Center, USA

Cryo-EM

Claudio Ciferri, Genentech, Inc., USA

Cryo-EM and Drug Discovery

Kurt Wüthrich, ETH Zürich, Switzerland

NMR Drug Discovery

Short Talk(s) Chosen from Abstracts

Poster Session 1

TUESDAY, OCTOBER 27

Imaging Across Scales – Cells I

Kate L. White, University of Southern California, USA

Toward the Three Dimensional Structure of the Pancreatic Beta Cell

Fei Sun†, Chinese Academy of Sciences, China

Integrating Multiple Microscopies for Biology

Wolfgang P. Baumeister, Max Planck Institute of Biochemistry, Germany

Cryo-Electron Tomography

Zaida (Zan) Luthey-Schulten, University of Illinois at

Urbana-Champaign, USA

Whole Cell Modeling

Short Talk(s) Chosen from Abstracts

Imaging Across Scales – Cells II

Bo Huang, University of California, San Francisco, USA

Mapping the Inner World of Cells

Andrej Sali, University of California, San Francisco, USA

Integrative Modeling of the Cell

Speaker to be Announced

Short Talk(s) Chosen from Abstracts

Poster Session 2

WEDNESDAY, OCTOBER 28

Imaging Across Scales – Beyond the Cell I

Scott E. Fraser, University of Southern California, USA

Adding Dimensions to Multiplex and Multimodal Imaging

Speaker to be Announced

Hongdi Li, United Imaging Healthcare America, Inc, USA

Total-Body Molecular Imaging for Translational Medicine

Michel Bouvier, University of Montreal, Canada

GPCR Biosensors and the Fuller Picture of Cell Signaling

Short Talk(s) Chosen from Abstracts

Imaging Across Scales – Beyond the Cell II

Carol V. Robinson, University of Oxford, UK

Mass-Spec Based Proteomic Mapping

Speaker to be Announced

Speaker to be Announced

Short Talk Chosen from Abstracts

Meeting Wrap-Up: Outcomes and Future Directions (Organizers)

THURSDAY, OCTOBER 29

Departure