



RSC-TJU Symposium on Antibacterial Agents: Chemistry & Mechanism of Actions

Programme Agenda

27 August 2015, Tianjin University, Tianjin, China

Meeting Room No. 8, Conference Building (会议楼第 8 会议室)

Chair: Prof Jay Siegel, *Dean, School of Pharmaceutical Science & Technology, Tianjin University*

| Time | Event | Session Chair |
|-------|--|---|
| 09:00 | Introduction and welcome | |
| 09:20 | Advanced methods for antibiotic discovery from actinomycetes Jeff Errington, <i>Centre for Bacterial Cell Biology, Newcastle University, UK</i> | Matthias Bureik, <i>Tianjin University</i> |
| 10:50 | The challenge of discovering and developing novel microbial natural product antibiotics to fight infectious diseases Olga Genilloud, <i>Fundación MEDINA, Spain</i> | |
| 10:20 | Coffee break | |
| 10:50 | Structure-based approach toward development of NDM-1 and ESBL inhibitors Qingzhi Gao, <i>School of Pharmaceutical Science & Technology, Tianjin University, China</i> | Yan Zhang, <i>Tianjin University</i> |
| 11:20 | Introduction to chemical databases and literature tools provided by the Royal Society of Chemistry Serin Dabb, <i>Executive Editor, Data at the Royal Society of Chemistry, UK</i> | |
| 11:50 | Group photo & Lunch | |
| 14:30 | Discovery, biosynthesis and bioengineering of novel polyketide antibiotics Gregory L Challis, <i>Department of Chemistry, University of Warwick, UK</i> | Kenneth Woycechowsky, <i>Tianjin University</i> |
| 15:00 | Phylogenetic evolution, mechanism and application of antibiotic glycosyltransferases Jianjun Qiao, <i>School of Chemical Engineering & Technology, Tianjin University, China</i> | |
| 15:30 | Coffee break | |
| 16:00 | A two-prong approach to understanding and combating resistance to aminoglycosides Sylvie Garneau-Tsodikova, <i>College of Pharmacy, University of Kentucky, USA</i> | Youcai Zhang, <i>Tianjin University</i> |
| 16:30 | Design of wide-spectrum inhibitors targeting coronaviruses Haitao Yang, <i>School of Life Sciences, Tianjin University, China</i> | |
| 17:00 | Close | |