

# **3rd Tsinghua-Bristol Joint Symposium on Frontier of Nanoscience and Nanotechnology**

**Lecture Hall 301, Department of Chemistry, Tsinghua University,  
Monday, August 28, 2017**

## **Morning Session 1**

Chair: Prof. Xi Zhang

<b>9:00</b>	<b>Opening Remarks &amp; Introduction to the Department of Chemistry at Tsinghua</b> Prof. Xun Wang (Tsinghua University)
<b>9:10</b>	<b>Ordering of Soft Matter: What X-ray Scattering of Amphiphiles Tells us about Protein Crystallization, Electroactive Amphiphiles and Air Pollution</b> Dr. Annela Seddon (University of Bristol)
<b>9:40</b>	<b>Advanced Characterization Methods for Self-Assembled Organization on Nanoparticles</b> Prof. Francesco Stellacci (Ecole Polytechnique Fédérale de Lausanne)
<b>10:10</b>	<b>Sub-1 nm Ultrathin Nanocrystals for Energy Conversion</b> Prof. Xun Wang (Tsinghua University)
<b>10:40</b>	<b>Group Photo &amp; Coffee Break</b>

## **Morning Session 2**

Chair: Prof. Huaping Xu

<b>11:00</b>	<b>Modulating Thermoresponsive Hydrogels Using Nanoparticles, for Additive Manufacture of Shape-Changing Soft Materials</b> Kate Oliver (University of Bristol)
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<b>11:15</b>	<b>Supramolecular Chemotherapy: Decreased Cytotoxicity and Enhanced Activity of Antitumor Drugs by Host-Guest Chemistry</b> Zehuan Huang (Tsinghua University)
<b>11:30</b>	<b>Nanoporous Protein Crystal Biohybrid Materials</b> Noha Abu El Magd (University of Bristol)
<b>11:45</b>	<b>Two-Dimensional Functional Nanostructures through the Self-Assembly of Charge-Terminated Crystallisable Homopolymers</b> Sam Pearce (University of Bristol)
<b>12:00</b>	<b>Lunch</b>

## Afternoon Session 1

Chair: Dr. Annela Seddon

<b>14:00</b>	<b>New Routes to Tuneable Functional Organic Nanowires</b> Prof. Charl FJ Faul (University of Bristol)
<b>14:30</b>	<b>Dynamic Selenium Chemistry</b> Prof. Huaping Xu (Tsinghua University)
<b>15:00</b>	<b>Lack of Co-localisation for Fluorescently Labelled Gold Labels Used in Correlative Light Electron Microscopy</b> Dr. Henkjan Gersen (University of Bristol)
<b>15:30</b>	<b>Targeting "Undruggable" Therapeutic Protein Targets: K-Ras and Tau</b> Dr. Yongxiang Chen (Tsinghua University)
<b>16:00</b>	<b>Coffee Break</b>

## Afternoon Session 2

**Chair: Prof. Guangtao Li**

<b>16:20</b>	<b>Smart Glyco-Nanomaterials as Novel Anti-Cancer Drug Delivery Systems</b> Sadiyah Sheikh (University of Bristol)
<b>16:35</b>	<b>Self-Assembly Behaviors Regulate Anticancer Activity of Platinum Coordinated Selenomethionine</b> Tianyu Li (Tsinghua University)
<b>16:50</b>	<b>Fluorescently Loaded Pluronic® P407 Micelles: A Model Drug Delivery System to Examine Carrier Internalization and Cargo Release in Epithelial Cells using in vitro Models</b> Tania Castillo (University of Bristol)
<b>17:05</b>	<b>Sticky Stem Cells: Reengineering the Cell Membrane using Nanobiohybrid Materials</b> Rosalia Cuahtecotzi (University of Bristol)
<b>17:20</b>	<b>AIE-Doped Poly(ionic liquid) Photonic Spheres: A Distinct Sensing Platform for Discriminating a Broad Variety of Multianalytes</b> Wanlin Zhang (Tsinghua University)
<b>17:35</b>	<b>On the Synergistic Interaction of Elements Involved in the Strontium Niobates Synthesis via Ionic Liquids</b> Omar Gomez (University of Bristol)
<b>17:50</b>	<b>Examining Self-Assembled Peptide Nanoparticles by Cryo-Electron Microscopy</b> Jen Coombs (University of Bristol)
<b>18:05</b>	<b>Closing Remarks</b> Prof. Charl FJ Faul (University of Bristol)
<b>18:30</b>	<b>Dinner</b>