Friday 20 May 2022

14:15  |  Tea / Coffee

15:00  |  Sabine Flitsch  (Manchester)  
      |  Introduction

15:05 – 15:35  |  Ali Tavassoli  (Southampton)  
                |  Platforms for the generation and high-
                |  throughput screening of microcycle libraries

15:35 – 15:55  |  Andrew Beekman  (UEA)  
                |  Peptide directed binding for protein-protein interaction targets in cancer

15:55 – 16:25  |  Martina Delbianco  (MPI Potsdam)  
                |  Synthetic carbohydrate-based materials

16:25  |  Tea / Coffee

16:55 – 17:15  |  Jack Rowbotham  (Manchester)  
                |  Bio- and ChemoBio-hybrid catalysis for atom-efficient synthesis of complex isotopically labelled molecules

17:15 – 17:35  |  Maria Marin  (UEA)  
                |  Two-photon fluorescent (nano)probes for a versatile intracellular detection of nitric oxide

17:35 – 17:55  |  Jesko Köhnke  (Glasgow)  
                |  One-step enzymatic conversion of peptides to alkaloids

18:30  |  Dinner

20:00 – 20:30  |  Nina Hartrampf  (Zurich)  
                |  New directions in flow-based protein synthesis

20:30 – 21:00  |  Julea Butt  (UEA)  
                |  Electromicrobiology: Insights and Opportunities
Saturday 21 May 2022

**07:45**
**Breakfast**

**08:50 – 09:10**
Clare Megarity (Manchester)
*Confocal recycling of NADP(H) and ATP by a nanoconfined four-enzyme cascade simultaneously driven by electrical and chemical energy in The Electrochemical Leaf*

**09:10 – 09:30**
Joanna McGouran (Dublin)
*A radical approach to activity-based protein profiling*

**09:30 – 10:00**
Luiz Pedro Carvalho (Crick)
*From antibiotic action to resistance, via enzymes*

**10:00**
**Tea / Coffee**

**10:30 – 11:00**
James Errey (Evotec)
*Engineering our future*

**11:00 – 11:20**
Andrew Jamieson (Glasgow)
*Design and synthesis of α-conotoxin peptidomimetics: potent and stable blockers of human muscle-type acetylcholine receptors*

**11:20 – 11:50**
Yi Jin (Manchester)
*Chloride, the hidden Janus factor in OXA-48 catalysis*

**11:50 – 12:10**
Peter 't Hart (MPI)
*Solid-phase peptide modification via deaminative photochemical Csp¹-Csp¹ bond formation using Katritzky salts*

**12:30**
**LUNCH**

**15:45**
**Tea / Coffee**

**16:45 – 17:15**
Tom Grossman (Amsterdam)
*Constrained peptides mimic a viral suppressor of RNA silencing*

**17:15 – 17:35**
Nicholas Mitchell (Nottingham)
*Site-Selective Modification of Peptides and Proteins via Interception of Free-Radical-Mediated Desulfurization*

**17:35 – 18:05**
Olalla Vazquez (Marburg)
*In Vivo Optochemical Control of Histone Methyltransferases*

**18:05 – 18:25**
Ben Schumann (Imperial / Crick)
*Chemical Precision Tools to investigate SARS-CoV2 transmissibility*

**18:45**
**Reception**

**19:15**
**Dinner**
*Followed by Poster Viewings*
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
<th>Title</th>
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<tbody>
<tr>
<td>07:45</td>
<td>Breakfast</td>
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<tr>
<td>09:00 – 09:30</td>
<td>Helen Hailes (UCL)</td>
<td>Enzymatic single-step reactions and the construction of biocatalytic cascades to alkaloids</td>
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<td>09:30 – 09:50</td>
<td>Ellis O’Neill (Nottingham)</td>
<td>The complex chemistry of the alga Euglena gracilis</td>
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<td>09:50 – 10:10</td>
<td>Stephen Butler (Loughborough)</td>
<td>Supramolecular Enzyme Assays Utilising Lanthanide Luminescence</td>
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<td>10:10</td>
<td>Tea / Coffee</td>
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<td>10:40 – 11:10</td>
<td>Andy Wilson (Leeds)</td>
<td>Modulation of Interactions Employing Intrinsically Disordered Short Motifs</td>
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<td>11:10 – 11:30</td>
<td>Anne Conibear (TU Wien)</td>
<td>Structural Subtleties of Protein Posttranslational Modifications</td>
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<td>11:30 – 11:50</td>
<td>Matteo Trande (Manchester)</td>
<td>Silicatein-α protein as a biocatalyst for organosiloxanes manipulation, improving its solubility by protein engineering</td>
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<td>11:50 – 12:10</td>
<td>Boris Vauzeilles (ICSN)</td>
<td>New borinic probes for fast detection and imaging of hydrogen peroxide</td>
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<td>12:30</td>
<td>Lunch and Departure</td>
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