

# Recent Appointees in Polymer Science

Programme for 21<sup>st</sup> RAPS meeting  
2<sup>nd</sup>-3<sup>rd</sup> September 2021

Zoom:

Meeting ID: 365 638 2980

Passcode: RAPS2021



## Thursday 2<sup>nd</sup> September:

Session 1 – Chair Nick Warren	
13:00	<b>Introduction</b>
13:10	<b>Plenary: Prof Remzi Becer</b>
14:00	<b>Dr Jenny Garden</b> <i>Cooperative Multimetallic Main Group Complexes as Highly Active Ring-Opening Polymerisation Catalysts</i>
14:15	<b>Dr Lucy Arkinstall</b> <i>DNA–polymer conjugates via the graft-through polymerisation of native DNA in water</i>
14:30	<b>Neha Yadav</b> <i>Cyclic carbonates as synthons for preparation of green polymers</i>
14:45	<b>Break</b>

Session 2 – Chair: Paul Wilson	
15:00	<b>Dr Nikolay Kondratyev</b> <i>Dithienylethenes: From scalable synthesis towards photoresponsive hydrogen-bonded polymers and biomedical applications</i>
15:15	<b>Dr Yasmmeen Jhons</b> <i>The Hydrogen Bonding Interactions of Supramolecular Side Chain Polymers</i>
15:30	<b>Dr Resat Aksakal</b> <i>Synthesis of Uniform Star-shaped Macromolecules</i>
15:45	<b>Dr Amrita Sikder</b> <i>Precise control over the supramolecular nanostructures of <math>\pi</math>-amphiphiles via manipulation of H-bonding</i>
16:00	<b>Break</b>

Session 3 – Chair: Lee Fielding	
16:15	<b>Dr Calum Ferguson</b> <i>Classical polymer photocatalysts</i>
16:30	<b>Dr Seb Sprick</b> <i>Solution-processible polymer photocatalysts for hydrogen production from water</i>

16:45	<b>Dr Sebastien Rochat</b> <i>Functional Porous Polymers for Energy Conversion and Storage</i>
17:00	<b>Dr Sam Parkinson</b> <i>Evaluating size and charge effects on the uptake of polymer nanoparticles into Arabidopsis Thaliana roots</i>
17:15	<b>Breakout session - <a href="#">Link</a></b>

20:30	<b>Quiz</b> Detail to follow
-------	---------------------------------

## Friday 3<sup>rd</sup> September:

9:00	<i>Flash presentations: self-guided</i>
10:00	<b>Breakout session- <a href="#">Link</a></b>

<b>Session 4 – Chair: Rob Dawson</b>	
11:00	<b>Attaullah Soomro</b> <i>Novel Polymer thermal degradation of PVC incorporated in MMT</i>
11:15	<b>Dr Spyridon Varlas</b> <i>Controlling the supramolecular self-assembly of nucleobase-containing block copolymer nanostructures</i>
11:30	<b>Dr Stephen Fielden</b> <i>Synthetic Membrane Trafficking</i>
11:45	<b>Dr Lee Fielding</b> <i>Investigating the preparation of sterically-stabilised latexes and polymer/graphene oxide nanocomposite particles</i>
12:00	<b>Lunch and breakout session - <a href="#">Link</a></b>

<b>Session 5 – Chair: Clare Mahon</b>	
13:00	<b>RAPS announcements</b>
13:15	<b>Dr Evelina Liarou</b> <i>Photoinduced Dynamic (Re)shaping of Macromolecules</i>
13:30	<b>Dr Maria Chiara Arno</b> <i>Does nanoparticle shape influence material properties?</i>
13:45	<b>Dr Hannes Houck</b> <i>Shining Light on Poly(ethylene glycol): From Polymer Modification to 3D Laser Printing of Water Erasable Microstructures</i>
14:00	<b>Break - <a href="#">Link</a></b>
14:15	<b>Dr David Fengwei Xie</b> <i>Biopolymer materials and composites: Design, processing and unexpected properties</i>

14:30	<b>Dr Jessica Yu</b> <i>Telodendrimer micelles: a robust and versatile delivery platform offering enhanced stability and high drug loading</i>
14:45	<b>Dr Noelia D Falcon</b> <i>Prefunctionalised PLGA microparticles with dimethylaminoethyl moieties promote surface cell adhesion at physiological condition</i>
15:00	<b>Dr Jake McClements</b> <i>Thermal Detection of Cardiac Biomarker Troponin I Using a Molecularly Imprinted Polymer Nanoparticle-Based Sensor Platform</i>
15:15	<b>Break- <a href="#">Link</a></b>

<b>Session 6 – Chair: Tom Swift</b>	
15:45	<b>Dr Bernhard Schmidt</b> <i>Aqueous multi-phase systems and stimulus sensitive water-in-water emulsions</i>
16:00	<b>Dr Andrew Hook</b> <i>Use of ToF-SIMS to characterise polysaccharides</i>
16:15	<b>RAPS announcements</b>
16:30	<b>Plenary: Dr Emily Pentzer</b>
17:20	<b>Closing remarks</b>