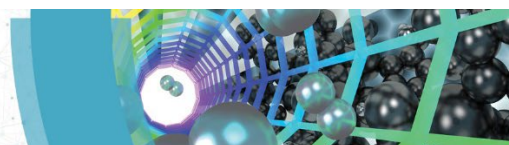


# MSDE Symposium 2023

18 May 2023 | London, UK and online



## Final Programme

All times shown are BST (UTC+1).

All talks will take place in person unless otherwise indicated.

### Pre-conference session (online-only) - Wednesday May 17<sup>th</sup>

14:00	<b>Online poster session</b> All welcome – for both online and in-person delegates.  An opportunity for delegates attending online to present their poster and discuss it with other delegates. In-person poster presenters are also welcome to upload a digital version of their poster and present it in this session.
15:00	Close of formal session. Online networking rooms remain open.

### Thursday May 18<sup>th</sup> 2023

09:00	Registration and refreshments	
09:45	Welcome and Introductions Juan de Pablo Editorial Board Chair, <i>MSDE</i> <i>University of Chicago, USA</i>	
09:55	Introduction to <i>MSDE</i> and the Symposium Maria Southall Executive Editor, <i>MSDE</i>	
Session 1 Chair: Juan de Pablo		
10:00	Linda Broadbelt <i>Northwestern University, USA</i>	Developing Strategies for Polymer Redesign and Recycling Using Reaction Pathway Analysis
10:35	Luke Connal <i>Australian National University, Australia</i>	Sustainable and compostable plastic alternative from your morning coffee
11:10	Niall Mac Dowell <i>Imperial College London, UK</i>	What does systems thinking tell us about molecular challenges for net zero?
11:45	Lunch and posters	
Session 2 Chair: LaShanda Korley		
13:15	Marc-Olivier Coppens <i>University College London, UK</i>	Nature-Inspired Solutions for Molecular Systems Design in Healthcare and Biomedical Engineering
13.50	Pat Stayton <i>University of Washington, USA</i>	Engineering Polymeric Prodrugs For Global Health and Cancer Immune Therapy
14:25	Refreshments	
Session 3 Chair: Claire Adjiman		
14.55	Heather Kulik <i>MIT, USA</i>	Materials discovery in challenging spaces with machine learning:

		from transition metal complexes to metal-organic frameworks
15:30	Rob Riggleman <i>University of Pennsylvania, USA</i>	Molecular Design of Polymer Networks
<b>Session 4</b> <b>Panel Discussion on Molecular Engineering</b> <b>Chair: Juan de Pablo</b>		
16:15	<b>Welcome</b> Juan de Pablo Editorial Board Chair, <i>MSDE</i> <i>University of Chicago, USA</i>	
16:20	Claire Adjiman <i>Imperial College London, UK</i> Andrew Ferguson (virtual panellist) <i>University of Chicago, USA</i> LaShanda Korley <i>University of Delaware, USA</i> Marc-Olivier Coppens <i>University College London, UK</i>  <i>Other panellists TBD</i>	
17:15	Closing remarks and poster prize presentations Juan de Pablo and Maria Southall	
17:30	Close of symposium	