



Day One – 9th April 2025

11:00 Registration

13:00 Welcome and Introduction

13:20 Global Thought Leaders Panel Discussion

15:20 *The 40 Shades of Green Chemistry*
Paul Anastas
Yale University

16:00 Coffee Break

16:30 *Green Chemistry: The Molecular Mechanisms of Sustainability in
Entrepreneurship Connecting Academia and Industry*
John C. Warner
Technology Greenhouse

17:10 Delegate Information Session

17:20 Reception - Poster Session and Exhibitors
Sponsored by Almac

19:00 Day One - Close

20:00 Conference Delegate Banquet



Day Two – 10th April 2025

08:50 Welcome and Introduction

09:00 *Teaching Green Chemistry in a Changing World*
Martyn Poliakoff
University of Nottingham

09:40 *Bio-Based Platform Chemicals from Local Plant Oils by Selective Semi-Hydrogenation and Homogeneous Catalysis*
Thomas Seidensticker
TU Dortmund

10:00 *Accelerating Development of Green Chemistry Technologies Through Cross-Sector Collaboration*
Adelina Voutchkova
ACS Green Chemistry Institute

10:40 Coffee Break

11:00 *From Flexible to Adaptive: Dynamic Systems to Control the Performance of Catalysts*
Walter Leitner
Max Planck Institute for Chemical Energy Conversion

11:40 *Sustainable Chemistry & Engineering for Education, Outreach and Recruitment*
Kevin Morgan
Queen's University Belfast

12:00 *Electrochemical Biomass Depolymerization: Will Complex Catalysts Trigger High Product Selectivity?*
Adam Slabon
Bergische Universität Wuppertal

Flash Session One

	James Metcalf	<i>Atmospheric Degradation of New “Green” Solvents</i>
12:20	Philippa Jacob	<i>Machine Learning for Polymer Biodegradability</i>
	Víctor Sans Sangorrín	<i>Digital Synthetic Platforms for the Efficient Capture and Valorisation of Carbon Dioxide into Added Valued Chemicals</i>
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12:50	Steve Howdle University of Nottingham	<i>Sustainable Monomers and Polymers</i>
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13:10	Lunch	
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14:00	Peter Licence University of Nottingham	<i>Come In Number 49, Your Time Is Up: Insights into Speciation and Circularity</i>
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14:40	C.K. Bella Institute of Sustainability for Chemicals, Energy and Environment	<i>Small but Feisty: How Singapore Turns CO2 Problems into Greener Solutions</i>
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15:00	Andreas J. Vorholt Max Planck Institute for Chemical Energy Conversion	<i>New Ways of Building Carbon Chains - From Fischer Tropsch to New Synthetic Routes</i>
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15:20	Stefan Mix Almac	<i>Genes to GMP: How API Manufacture is 'Going Green' with Engineered Enzymes</i>
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15:40	Coffee Break	
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16:00	Antonio Patti Monash University	<i>Biobased Reversible Photo-Responsive Polymers for Useful Applications</i>
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16:20	Pedro Lozano Rodriguez University of Murcia	<i>Ionic Liquids Technology for Polyurethane Foam Waste Depolymerization</i>

Flash Session Two

16:40	Jane Mueller	<i>IN Silico Informed metaGenomic Harvesting Technology - (INSIGHT) - How a Smart Platform Can Accelerate the Timelines of Genes-to-GMP</i>
	TBC	<i>TBC</i>
	TBC	<i>TBC</i>

17:10	<i>Crude Glycerol – Microbial Substrate for Production of Intermediates and Recombinant Enzymes</i>
	Martin Rebroš
	Slovak University of Technology

17:30	<i>Green Catalytic Chemistry for the Energy Transition</i>
	Johannes A. Lercher
	TU München

18:10	Poster Session and Exhibitors
	Sponsored by Institute of Chemistry of Ireland

19:30	Day Two - Close
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Day Three – 11th April 2025

08:50 Welcome and Introduction

09:00 *Hotspot Driven Research in Green and Sustainable Chemistry*
Philip Jessop
Queen's University at Kingston

Flash Session Three

09:40 **Shanika Yadav** *Inspiring Innovation in Green Chemistry - Startup Support Network KOALA*

Sarmad Ahmad Qamar *Bioplastics from 'Annurca' Apple Cellulose Doped with Polyphenolic Compounds for 'Active' Food Packaging Applications*

Neil Robinson *Measuring Nuclear Spin Dynamics in Sustainable Engineering Systems*

10:10 *Recent Developments in Asymmetric Synthesis and Catalysis*
Pat Guiry
University College Dublin

10:50 Coffee Break

ACS GCI Pharmaceutical Roundtable Workshop
Green Chemistry Tools and Metrics to Design Sustainable Processes

Nathan McCormack Ipsen

11:10 **David Entwistle** Codexis

Isamir Martinez ACS GCI

Adelina Voutchkova ACS GCI

13:10 Lunch

14:00 *Mechanochemistry and Aging-Based Methods as Novel Tools to Transform Biopolymers into High Value Materials*
Audrey H. Moores
McGill University

14:40 *The Journey from Lab to Industry – A Sustainable Recycling Technology for Rare Earth Magnets*
Peter Nockemann
Queen's University Belfast

15:00 *Catalysis and Sustainability from Atom to Planetary Scale*
Javier Pérez-Ramírez
ETH Zurich

15:40 Poster and Flash Prizes
Sponsored by Royal Society of Chemistry and ACS Publications

16:00 Conference Close
Chris Johnson
Department for Science, Innovation and Technology