



UNIVERSITY OF  
OXFORD



Register here:



Registration Deadline:  
Thu , 20 March 2025

Available spaces: 80  
(first come first served)

<https://forms.office.com/e/tCqrTajEZ2>

Email: [Samantha.Pearce@materials.ox.ac.uk](mailto:Samantha.Pearce@materials.ox.ac.uk)  
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# The Oxford Advanced Materials Network Launch

## Tuesday, 25 March 2025

### Corpus Christi College

Merton Street, Oxford, OX1 4JF

Arrival 10.30 h - Departure 16.00 h (incl. networking lunch)





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Next generation applications including energy generation and storage systems, medical devices, functional lightweight composites, autonomous vehicles, packaging, and multi-functional materials such as conducting glasses, fibres, and smart polymers critically depend on the design and controlled, sustainable manufacturing of materials. Input from across different departments will be essential to create real innovation in these areas.

Advanced computational methods have reached a stage that allows the rapid theoretical design of new materials and accurate prediction of their physical properties, thereby allowing experimental synthesis and characterisation to be focused on the most promising sub-set of materials.

The Network for Advanced Materials takes an interdisciplinary approach to tackling materials challenges by designing materials across the length scale with end-user applications in mind whereby high-speed computing, rational modelling, experimentalists and participating industry partners mutually inform each other.

The combination of fundamental concepts, new designs, applied science, and classical research and development plays a pivotal role in attracting industry partners to the Oxford Advanced Materials Network. Core to the network is our systems approach and the regular exchange with policymakers and society.





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## Programme:

- 10.30 Arrival & Coffee
- 11.00 Welcome & Intro
- 11.15 Short presentations
- 11.45 Intro & Panel discussion Advanced Materials
- 13.00 Networking Lunch & Coffee
- 14.30 Advanced Materials in Academia & Industry
- 15:30 Closure
- 16:00 Departure

## Speakers and invited Attendees:

### Cristina Russo

*Director for Prosperity, Directorate-General Research & Innovation*

### Dr Thanuja Galhena

*Head of Advanced Materials, Department of Business and Trade*

### Prof David Knowles

*CEO, Henry Royce Institute, UK*

### Prof Peter Gumbsch

*Director Fraunhofer Institute for Mechanics of Materials IWM, Germany*

### Prof Lars Montelius

*Co-Chair Advanced Materials Initiative 2030*

### Prof Magnus Berggren (tbc)

*Director for the WISE initiative on Advanced Material Science for Sustainability, Member of the Research & Technology Council at EU*

### Prof Iain Bomphray

*Director of the Lightweight Manufacturing Centre, National Manufacturing Institute Scotland*

### Clare Sibley

*Senior Manager- Materials and Process Engineering, Fortescue Zero*

### Prof Dermot O'Hare

*MPLS Associate for Business Engagement and Innovation, University of Oxford*

### Prof Peter Nellist FRS

*Head of Department, Department of Materials, University of Oxford*

### Prof Nicole Grobert

*Lead of the Oxford Advanced Materials Network, Department of Materials, University of Oxford*

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