

IMC21

The 21st International Microscopy Congress

31 August - 4 September 2026, Liverpool, UK

Pre-Congress Events 30 August 2026

Sponsored by

JEOL

Congress Programme

Welcome



Nigel Browning
IMC21 Chair

On behalf of the Scientific Programme Committee, the International Federation of Societies for Microscopy (IFSM), the University of Liverpool, Liverpool City Region and the Royal Microscopical Society, it is our pleasure to welcome you to the 21st International Microscopy Congress (IMC21).

Our vision for the Congress is to provide a global platform for speakers and delegates to share impactful and outstanding research that will inspire new generations of microscopists, promote new collaborative directions across diverse scientific disciplines and contribute to the advancement of microscopy.

In consultation with IFSM and the national societies that make up our community, we have included cross-cutting symposia that celebrate Liverpool City Region's long history of instrument development and scientific advances - including the contributions of Dr Albert Crewe, the father of the modern Scanning Transmission Electron Microscope (STEM). The programme also reflects the Region's more recent role at the forefront of AI and digital innovation. We are confident we have prepared a superb scientific programme which will facilitate debate, encourage academic and commercial exchanges and leave delegates challenged and inspired to shape new microscopy horizons for the future.

To honour Liverpool's rich culture and history, we have integrated the key values of collaboration and integration, diversity, excellence and innovation, into every aspect of the congress to create a truly inclusive experience. We aim to deliver a fantastic Congress for all our delegates , and to leave a legacy of scientific excellence and global impact.

In addition to academic credentials and cultural richness, Liverpool is a vibrant and exciting city with excellent delegate facilities at the Liverpool Experience Campus (LEX), situated here on the city's iconic waterfront. LEX has won the 'Best UK Conference Centre Award' seven times and is ideally suited to host IMC21 in what is one of the most visited tourist destinations in the UK.

Welcome to IMC21. Here's to a great few days of science ahead!

Please note: All information is correct at the time of printing. Please check the IMC21 website for the latest updates - www.imc21.org.uk



Eva Olsson
President of IFSM

It is my great pleasure to welcome you all to the 21st International Microscopy Congress (IMC21) in Liverpool, on behalf of the International Federation of Societies for Microscopy (IFSM), the Royal Microscopical Society (RMS), the University of Liverpool, Liverpool City Region and the Scientific Programme Committee. The congress gathers participants from all over the world.

The mission of IFSM is to contribute to the advancement of microscopy in all aspects. The IMC's are among the most important activities of IFSM and they constitute an international meeting place for all colleagues involved in microscopy. The multifaceted purposes of the IMC's are reflected in their many activities with the many symposia addressing the current most important developments, the exhibition that offers opportunities to try out the latest developments and technology, the young scientist assembly (YSA) that aims to inspire and support our early career researchers, the pre-congress workshops that covers exciting topics and techniques, the IFSM

medal symposium where groundbreaking developments in microscopy are awarded and the social activities that further promotes discussion and interaction among all congress participants. IFSM supports young scientists and the YSA held at the IMC congresses was constituted by IFSM with the purpose of encouraging, promoting networking for and supporting the early career researchers.

The IMC21 builds on the many contributions and voluntary work of all people involved in the planning and organisation of the congress. We wish to thank the RMS, the local organisation committee, the international scientific advisory board, the scientific programme committee, the members of the executive committee of IFSM, the YSA organising committee, the symposia chairs, the organisers of the pre-congress workshops and the sponsors. The exhibition is a key and inspiring gathering place and we thank the sponsor companies and exhibitors who provide financial and equipment support. It is with anticipation that we look forward to all presentations of recent work with special highlights of plenary speakers, IFSM medal awardees and keynote speakers.

It is with high expectations that we look forward to IMC21 in Liverpool and to meeting you all!

Registration

The registration kiosks will be open in the atrium of the exhibition centre during the following times (all times are BST):

Sunday 30 August: 1400 – 1830

Monday 31 August: 0800 - 1830

Tuesday 1 September: 0800 – 1830

Wednesday 2 September: 0830 – 1830

Thursday 3 September: 0830 – 1830

Friday 4 September: 0830 - 1200

Registration Queries Desk

The registration queries desk is located outside the exhibition hall You can also contact the organisers by telephone: +44 (0)7545 438 793.

Badges

Delegates and exhibitors are kindly requested to wear their badges during all congress events. Admittance to the conference sessions, exhibition and social events will be refused if the required badge cannot be presented.

Wi-Fi

Free Wi-Fi is available throughout LEX.

Congress App

The IMC21 congress app offers a wide range of features including:

- Search and select sessions to create your own agenda
- Connect with colleagues and speakers
- Identify exhibitors to add to your itinerary
- View venue information

How to access the app

Step 1. Search for 'IMC21' in your App Store and download the app.

Step 2. Enter your email address.

Step 3. Go to your inbox for an email with the One Time Code (OTC) from vFairs.

Step 4. Copy across the OTC from the email to the app in the field called OTC.

Step 5. Update your profile, take a tour of the app and start to network with other delegates.

Refreshment Breaks

All delegates will be able to obtain free tea and coffee all day in the exhibition hall.

Additional refreshments will be available during the poster sessions on Monday - Thursday from 1730 – 1830.

Mel-Build

Thank you to Mel-Build for sponsoring the refreshment breaks.

Congress Information

Congress Information

There will also be a number of free water points around the exhibition hall.

Thank you to Quantum Detectors for sponsoring the reusable water bottles and water coolers.

Breakfast, lunches and snacks will be available to purchase from the catering kiosks within the exhibition hall from Monday to Thursday.

Lunch is included in congress delegate registration.

Staff at the catering kiosks will scan your badge to validate your lunch purchase. This can be done once per day.

One scan will cover the cost of either:

Meal Deal 1: a sandwich or salad, a snack and a drink, or

Meal Deal 2: a substantial hot food item and a drink

Additional card payment will be required to cover purchases beyond this.

Transport and Parking

For more information and to plan your travel arrangements please visit the LEX website - lexliverpool.com/visiting-us/travelling-here

Exhibition Opening Times

The exhibition will be open Monday – Thursday, 0930 - 1830 (all times are BST).

Poster Sessions

There will be four poster sessions; Monday – Thursday, 1730 – 1830.

Posters can be viewed during the lunch breaks and also during the dedicated poster sessions. Authors will be next to their posters during the relevant poster session in order to answer any questions.

Sustainability

The IMC21 organisers and the Royal Microscopical Society are committed to reducing waste, lessening our impact on the environment and making IMC21 as sustainable as possible.

We have already made a number of improvements to the way we operate at the RMS.

Sustainable Initiatives

- Promoting the use of public transport to our attendees
- Choosing a sustainable venue, with excellent transport links
- Reusing existing event materials like pens and notepads where possible
- Where possible, using local suppliers and vendors
- Including vegan options and sustainable catering

How can you help?

- Prioritise sustainable travel options to IMC21, Liverpool has an extensive public transport network
- Help to minimise waste by bringing your own reusable items
- Make use of the recycling facilities within the venue
- Consider going vegan for one day
- Utilise digital versions of documents and programmes, most of which can be found in the congress app

Accessibility

The IMC21 organisers and the Royal Microscopical Society are committed to making IMC21 a welcoming and inclusive environment for everyone.

Venue

LEX are committed to providing experiences and events that are accessible to everyone. Being an accessible venue is incredibly important to them, which is why they work with AccessAble to highlight the accessibility and usability of their venues. Their end goal is to make sure that

every visit to our campus is an enjoyable one, regardless of your accessibility requirements.

Of course, accessibility is about more than just physical facilities: at LEX, it's their culture and attitude that sets them apart. As an organisation, they are aligned with the "Attitude is Everything" Charter of Best Practice – and they currently hold Gold Status. They are committed to further improvement to continually ensure venue accessibility.

Quiet Room (Room 4A)

IMC21 is proud to have a quiet room available on site at the congress. This is a free space for attendees to decompress from the hustle and bustle of the congress and will be equipped with noise defenders, fidget toys and puzzles, as well as different seating options.

Attendees can enter the room on their own, and stay as long as they would like, all we ask is that you are respectful of others in the room. This room is not designed to be a working space, and we kindly ask that attendees refrain from using it as a meeting/ work space.

Prayer Room (Room 15)

A prayer room is available on site for those that would like to use it.

Lactation Room (Organisers Office C)

As part of efforts to make LEX breastfeeding friendly, they have achieved the Breastfeeding Mayoral Quality Mark from Liverpool Bambis. As a venue, they welcome parents to breastfeed babies in any area of their premises, and aim to provide a comfortable and safe environment for this to take place.

They understand that some people prefer privacy when breastfeeding, and a room has been allocated to allow our attendees to breastfeed in private should they wish.

Confirmed plenary speakers at IMC21 (all times are BST):



Y. Shirley Meng
University of Chicago, USA

Microcopy for Building a Better Battery
Monday 31 August, 0900 - 0950, Auditorium

Dr. Y. Shirley Meng is the Liew Family Professor at the Pritzker School of Molecular Engineering at the University of Chicago. Dr. Meng is the director of Energy Storage Research Alliance (ESRA), an innovation hub funded in 2024 by US Department of Energy, Office of Science.

She is the principal investigator of the research group - Laboratory for Energy Storage and Conversion (LESC), that was established at University of California San Diego since 2009. She held the Zable Chair Professor in Energy Technologies at UC San Diego from 2017-2022 and founded the Sustainable Power and Energy Center (SPEC) in 2016. Dr. Meng has received several prestigious awards.



Joanne Etheridge
Monash University, Australia

101 Things to do with an energetic electron
Tuesday 1 September, 0900 - 0950, Auditorium

Joanne Etheridge is an Australian Research Council Laureate Fellow in the School of Physics and Astronomy at Monash University. She obtained a degree and PhD in physics from the University

Plenary Speakers

Plenary Speakers

of Melbourne and RMIT University, respectively, before appointments at the University of Cambridge in the Department of Materials Science and Metallurgy and Newnham College, including a Rosalind Franklin Research Fellowship and a Royal Society University Research Fellowship. She returned to Melbourne to join Monash University where she established the Monash Centre for Electron Microscopy. She conducts research in the theory and development of new electron scattering methods for determining the atomic and electronic structure of condensed matter. She applies these methods to understand structure-property relationships in functional materials, including materials for controlling light, energy generation and storage. She is a Fellow of the Australian Academy of Science.



Peter Rosenthal
Francis Crick Institute, UK

Nanographia: cryo-EM observations of viruses and cells

Wednesday 2 September, 0900 - 0950, Auditorium

Peter Rosenthal obtained a BA in physics from Harvard College and a PhD in biophysics from Harvard University, Cambridge, Massachusetts.

He then moved to the Medical Research Council (MRC) Laboratory of Molecular Biology in Cambridge, UK, before joining the Division of Physical Biochemistry at the MRC National Institute for Medical Research in 2005 (now part of the Francis Crick Institute).



Sergei V. Kalinin
University of Tennessee, Knoxville, USA

From Data to Agency: Electron Microscopy for 21st-Century Materials Discovery and Direct Atomic Fabrication
Thursday 3 September, 0900 - 0950, Auditorium

Sergei V. Kalinin is a Weston Fulton chair professor at the University of Tennessee, Knoxville. From 2022 to 2023, he was a principal scientist at the Amazon Grand Challenge (moon shot factory). Before then, he spent 20 years at Oak Ridge National Laboratory as a corporate fellow and group leader at the Center for Nanophase Materials Sciences.

Sergei has co-authored >700 publications, with a total citation of >63,000 and an h-index of >120.

IFSM Symposium Plenary Speakers



Jennifer Zenker
(IFSM Eduard Kellenberger Medal 2023)
Australian Regenerative Medicine Institute, Monash University

Friday 4 September, 0915 - 0945, Auditorium

Jennifer Zenker's scientific journey started at the University of Lausanne (Switzerland), where she obtained her PhD in Neurobiology, receiving the Amicitia PhD Excellence Prize. Next stop was Australia, starting her PostDoc at EMBL Australia (Monash University), shortly followed by

a move to Singapore to IMCB, A*STAR. During her Postdoc, Jennifer specialised in live imaging of early mouse embryos which led to several seminal discoveries, including first author publications in Science (2017), Cell (2018) and Nature Protocols (2017). She was also awarded three international postdoctoral fellowships, from the prestigious Human Frontier Science Fellowship, German and Swiss National Science Foundation.

She then embarked as an independent group leader at the Australian Regenerative Medicine Institute (ARMI, Monash). Her research group contributed to the generation of iBlastoids (Nature, 2021) and discovered RNA asymmetries in early mouse embryos (Nature Communications, 2023).



Lukáš Palatinus
(John Cowley Medal 2025)
Institute of Physics of the Czech Academy of Sciences

Friday 4 September, 0945 - 1015, Auditorium



Niklas Dellby
(Vernon Cosslet Medal 2025)
Nion Co.

Friday 4 September, 1045 - 1115, Auditorium



Jose Maria Carazo
(Eduard Kellenberger Medal 2025)
Spanish National Center for Biotechnology

Friday, 4 September, 1115 - 1130, Auditorium

Jose Maria Carazo Garcia (h factor = 61, 14.244 citations (ISI Web of Science December 09, 2025), h factor = 75, 21.997 citations (Google Scholar, December 09, 2025))), born in 1959, studied Physics at University of Granada, Spain, and obtained his PhD in Biology at University Autonoma, Madrid, Spain (1984). After the post-doc period at Wadsworth Center of the NYS Department of Health (USA) with Nobel Laureate Prof. Joachim Frank, he joined the National Center of Biotechnology as head of the Biocomputing Unit in 1989, where he was appointed full professor of the Spanish National Research Council (CSIC) in 2005.

Professor Carazo has a sustained experience in the field of Three-dimensional Electron Microscopy under cryogenic conditions (cryo-EM), especially in the methods development area. His laboratory has opened whole new areas in the field, naming just as example the successful family of Maximum Likelihood algorithms (developed in Madrid from 2007 to 2011) or the very much used EMDataBank (started from the European Union project "Bioimage" that he coordinated from 1996 to 1999).

Plenary Speakers

Monday 31 August

0830 - 0900: Opening Ceremony *Auditorium*

0900 - 0950: Plenary Lecture **Y. Shirley Meng** - Microcopy for Building a Better Battery *Auditorium*

0950 - 1035: Refreshment Break *Exhibition Hall*

1035 - 1220	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe *Room 3B*	Surface Sensitive Microscopy, Analysis and Sample Manipulation (SEM, FIB, Helium Microscopy and LEEMS and PEEMS etc) *2N (Hall 2)*	Quantitative and Multimodal 3D Imaging in the Physical Sciences *Room 11A* Quantum Detectors	Semi-conductors, Quantum and ICT *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)* Quantum Design UK and Ireland

1220 - 1340: Lunch *Exhibition Hall*

1340 - 1525	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe *Room 3B*	Surface Sensitive Microscopy, Analysis and Sample Manipulation (SEM, FIB, Helium Microscopy and LEEMS and PEEMS etc) *2N (Hall 2)*	Quantitative and Multimodal 3D Imaging in the Physical Sciences *Room 11A* Quantum Detectors	Semi-conductors, Quantum and ICT *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)* Quantum Design UK and Ireland

1525 - 1545: Refreshment Break *Exhibition Hall*

1545 - 1730	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe *Room 3B*	Surface Sensitive Microscopy, Analysis and Sample Manipulation (SEM, FIB, Helium Microscopy and LEEMS and PEEMS etc) *2N (Hall 2)*	Quantitative and Multimodal 3D Imaging in the Physical Sciences *Room 11A* Quantum Detectors	Semi-conductors, Quantum and ICT *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)* Quantum Design UK and Ireland

1730 - 1830: Poster Session I *Exhibition Hall*

Instrumentation

Monday 31 August

Functional Ceramics and Oxides	Phase Transformations and High-Speed Dynamics: Real-Time Microscopy of Evolving Materials	Earth and Planetary Materials	Energy Storage and Conversion	Electron Microscopy - Cryo-EM - Innovations in Macromolecular Structure Determination	Light Microscopy - Volumetric Imaging
Room 4B	*Room 13*	*Room 11C*	*1C (Auditorium)*	*Room 12*	*Room 11B*
	Quantum DETECTORS				
Functional Ceramics and Oxides	Phase Transformations and High-Speed Dynamics: Real-Time Microscopy of Evolving Materials	Earth and Planetary Materials	Energy Storage and Conversion	Electron Microscopy - Cryo-EM - Innovations in Macromolecular Structure Determination	Light Microscopy - Democratisation and Widening Access to Microscopy
Room 4B	*Room 13*	*Room 11C*	*1C (Auditorium)*	*Room 12*	*Room 11B*
	Quantum DETECTORS				
Functional Ceramics and Oxides	Phase Transformations and High-Speed Dynamics: Real-Time Microscopy of Evolving Materials	Earth and Planetary Materials	Energy Storage and Conversion	Electron Microscopy - Cryo-EM - Innovations in Macromolecular Structure Determination	
Room 4B	*Room 13*	*Room 11C*	*1C (Auditorium)*	*Room 12*	
	Quantum DETECTORS				

Scan to access full scientific programme

1430 - 1630
IFSM EC Meeting
Room 14

1630 - 1730
Committee of Asia Pacific Societies for Microscopy (CAPSM) Annual General Meeting
Room 14

1730 - 1930
EMS Executive Board Meeting
Room 14

Physical Sciences | **Life Sciences** | **Other**

Tuesday 1 September

0900 - 0950: Plenary Lecture **Joanne Etheridge** - 101 Things to do with an energetic electron *Auditorium*

0950 - 1035: Refreshment Break *Exhibition Hall*

	Instrumentation						
1035 - 1220	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe *Room 3B*	Surface Sensitive Microscopy, Analysis and Sample Manipulation (SEM, FIB, Helium Microscopy and LEEMS and PEEMS etc) *2N (Hall 2)*	Quantitative and Multimodal 3D Imaging in the Physical Sciences *Room 11A* Quantum Detectors	Semi-conductors, Quantum and ICT *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)* Quantum Design UK and Ireland

1220 - 1340: Lunch *Exhibition Hall*

1340 - 1525	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe *Room 3B*	Advances in Spectroscopy and Spectral Imaging Techniques *2N (Hall 2)*	Quantitative and Multimodal 3D Imaging in the Physical Sciences *Room 11A* Quantum Detectors	Semi-conductors, Quantum and ICT *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)* Quantum Design UK and Ireland

1525 - 1545: Refreshment Break *Exhibition Hall*

1545 - 1730	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe *Room 3B*	Advances in Spectroscopy and Spectral Imaging Techniques *2N (Hall 2)*	Quantitative and Multimodal 3D Imaging in the Physical Sciences *Room 11A* Quantum Detectors	**Semi-conductors, Quantum and ICT** ***1B (Auditorium)***	**Nanomaterials and Catalysts** ***1A (Auditorium)*** Quantum Design UK and Ireland

1730 - 1830: Poster Session 2 *Exhibition Hall*

Tuesday | September

Functional Ceramics and Oxides *Room 4B*	Radiation Damage and Nuclear Energy: Microscopy at Extreme Conditions *Room 13*	Structural Materials, Metals and Alloys *Room 11C*	Energy Storage and Conversion *1C (Auditorium)*	Electron Microscopy - Cryo-EM - Innovations in Macromolecular Structure Determination *Room 12*	Multimodal Imaging - Correlated Imaging Across Length Scales *Room 11B*
Functional Ceramics and Oxides *Room 4B*	Radiation Damage and Nuclear Energy: Microscopy at Extreme Conditions *Room 13*	Structural Materials, Metals and Alloys *Room 11C*	Energy Storage and Conversion *1C (Auditorium)*	Multimodal Imaging - Neurosciences *Room 12*	Multimodal Imaging - Correlated Imaging Across Length Scales *Room 11B*
Functional Ceramics and Oxides ***Room 4B***	**Radiation Damage and Nuclear Energy: Microscopy at Extreme Conditions** ***Room 13***	**Structural Materials, Metals and Alloys** ***Room 11C***	Energy Storage and Conversion *1C (Auditorium)*	Multimodal Imaging - Neurosciences *Room 12*	Multimodal Imaging - Correlated Imaging Across Length Scales *Room 11B*

Scan to access full scientific programme

1230 - 1300
EMAG AGM
Room 3A

1545 - 1800
The International Science Slam
Room 14

1730 - 1830
EMS Extra-ordinary Council Meeting
Room 13

Physical Sciences | **Life Sciences** | **Other**

Wednesday 2 September

0900 - 0950: Plenary Lecture **Peter Rosenthal** - Nanographia: cryo-EM observations of viruses and cells *Auditorium*

0950 - 1035: Refreshment Break *Exhibition Hall*

	Electron Diffraction and 4D-STEM	Dynamical, in-situ and Environmental Microscopy	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe	Advances in Spectroscopy and Spectral Imaging Techniques	Advances in Phase Imaging Techniques	Two-Dimensional Materials	Nanomaterials and Catalysts
1035 - 1220	*2F (Hall 2)*	*Room 3A*	*Room 3B*	*2N (Hall 2)*	*Room 11A*	*1B (Auditorium)*	*1A (Auditorium)*
	NanoMEGAS				Quantum Detectors		Quantum Design UK and Ireland

1220 - 1340: Lunch *Exhibition Hall*

	Electron Diffraction and 4D-STEM	Dynamical, in-situ and Environmental Microscopy	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe	Advances in Spectroscopy and Spectral Imaging Techniques	Advances in Phase Imaging Techniques	Two-Dimensional Materials	Nanomaterials and Catalysts
1340 - 1525	*2F (Hall 2)*	*Room 3A*	*Room 3B*	*2N (Hall 2)*	*Room 11A*	*1B (Auditorium)*	*1A (Auditorium)*
	NanoMEGAS				Quantum Detectors		Quantum Design UK and Ireland

1525 - 1545: Refreshment Break *Exhibition Hall*

	Electron Diffraction and 4D-STEM	Dynamical, in-situ and Environmental Microscopy	Innovating Microscopy End-to-End: Hardware, Automation, and AI in Honour of Albert Crewe	Advances in Spectroscopy and Spectral Imaging Techniques	Advances in Phase Imaging Techniques	Two-Dimensional Materials	Nanomaterials and Catalysts
1545 - 1730	*2F (Hall 2)*	*Room 3A*	*Room 3B*	*2N (Hall 2)*	*Room 11A*	*1B (Auditorium)*	*1A (Auditorium)*
	NanoMEGAS				Quantum Detectors		Quantum Design UK and Ireland

1730 - 1830: Poster Session 3 *Exhibition Hall*

Instrumentation

Wednesday 2 September

	Soft Materials, Polymers, Pharma-ceuticals and Beam Sensitive Materials *Room 13* Quantum DETECTORS	Structural Materials, Metals and Alloys *Room 11C*	Energy Storage and Conversion *1C (Auditorium)*	Electron Microscopy - Cryo-ET - Macromolecular Imaging in Cells, Organoids and Tissue *Room 12*	Light Microscopy - Resolution Revolution *Room 11B*
Magnetic behaviour and Ferroelectrics *Room 4B*	Soft Materials, Polymers, Pharma-ceuticals and Beam Sensitive Materials *Room 13* Quantum DETECTORS	Structural Materials, Metals and Alloys *Room 11C*	Energy Storage and Conversion *1C (Auditorium)*	Electron Microscopy - Cryo-ET - Macromolecular Imaging in Cells, Organoids and Tissue *Room 12*	Multimodal Imaging - Imaging Pathogen Biology from Structure to Mechanism *Room 11B*
Magnetic behaviour and Ferroelectrics *Room 4B*	Soft Materials, Polymers, Pharma-ceuticals and Beam Sensitive Materials *Room 13* Quantum DETECTORS	Structural Materials, Metals and Alloys *Room 11C*		Electron Microscopy - Cryo-ET - Macromolecular Imaging in Cells, Organoids and Tissue *Room 12*	Multimodal Imaging - Imaging Pathogen Biology from Structure to Mechanism *Room 11B*

Scan to access full scientific programme

1035 - 1220
ICMA Vendors Session
Room 4B

1225 - 1340
EMS General Assembly
Room 3A

1545 - 1730
ICMA Vendors Session
1C (Auditorium)

1930 - 2230
Gala Dinner
Hall 2

Physical Sciences | **Life Sciences** | **Other**

Thursday 3 September

0900 - 0950: Plenary Lecture **Sergei Kalinin** - From Data to Agency: Electron Microscopy for 21st-Century Materials Discovery and Direct Atomic Fabrication *Auditorium*

0950 - 1035: Refreshment Break *Exhibition Hall*

1035 - 1220	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*		Advances in Spectroscopy and Spectral Imaging Techniques *2N (Hall 2)*	Advances in Phase Imaging Techniques *Room 11A* Quantum DETECTORS	Two-Dimensional Materials *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)*

1220 - 1340: Lunch *Exhibition Hall*

1340 - 1525	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Scanning Probe Microscopy and Advanced Light Microscopy *1C (Auditorium)*	Advances in Spectroscopy and Spectral Imaging Techniques *2N (Hall 2)*	Advances in Phase Imaging Techniques *Room 11A* Quantum DETECTORS	Two-Dimensional Materials *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)*

1525 - 1545: Refreshment Break *Exhibition Hall*

1545 - 1730	Electron Diffraction and 4D-STEM *2F (Hall 2)* NanoMEGAS	Dynamical, in-situ and Environmental Microscopy *Room 3A*	Scanning Probe Microscopy and Advanced Light Microscopy *1C (Auditorium)*	Advances in Spectroscopy and Spectral Imaging Techniques *2N (Hall 2)*	Advances in Phase Imaging Techniques *Room 11A* Quantum DETECTORS	Two-Dimensional Materials *1B (Auditorium)*	Nanomaterials and Catalysts *1A (Auditorium)*

1730 - 1830: Poster Session 4 *Exhibition Hall*

Instrumentation

Phys

Thursday 3 September

Magnetic behaviour and Ferroelectrics *Room 4B*	Soft Materials, Polymers, Pharma-ceuticals and Beam Sensitive Materials *Room 13* Quantum DETECTORS	Structural Materials, Metals and Alloys *Room 11C*	Electron Microscopy - Volume Imaging *Room 12*	Multimodal Imaging - Biomineralisation *Room 11B*	Enabling Technologies - Machine Learning in Biological Imaging *Room 14*
Magnetic behaviour and Ferroelectrics *Room 4B*	Soft Materials, Polymers, Pharma-ceuticals and Beam Sensitive Materials *Room 13* Quantum DETECTORS	Structural Materials, Metals and Alloys *Room 11C*	Electron Microscopy - Volume Imaging *Room 12*	Light Microscopy - Live Imaging Cells, Tissues, Organs and Organisms *Room 11B*	Enabling Technologies - Machine Learning in Biological Imaging *Room 14*
	Soft Materials, Polymers, Pharma-ceuticals and Beam Sensitive Materials *Room 13* Quantum DETECTORS		Electron Microscopy - Volume Imaging *Room 12*	Light Microscopy - Live Imaging Cells, Tissues, Organs and Organisms *Room 11B*	Enabling Technologies - Machine Learning in Biological Imaging *Room 14*

Scan to access full scientific programme

1545 - 1730
IFSM General Assembly
Room 3B

sical Sciences

Life Sciences

Other

Friday 4 September

Scan to access full scientific programme

0900 - 0915	Welcome & Introductions
0915 - 0945	Plenary Lecture **Jennifer Zenker (IFSM Eduard Kellenberger Medal 2023)** *Auditorium*
0945 - 1015	Plenary Lecture **Lukáš Palatinus (John Cowley Medal 2025)** *Auditorium*
1015 - 1045	Refreshment Break
1045 - 1115	Plenary Lecture **Niklas Dellby (Vernon Cosslet Medal 2025)** *Auditorium*
1115 - 1145	Plenary Lecture **José María Carazo (Eduard Kellenberger Medal 2025)** *Auditorium*
1145 - 1200	Presentation of Medals to Awardees & Diplomas
1200 - 1215	Closing Remarks
1215 - 1220	Introduction to IMC22, Berlin

IFSM Symposium & Awards

Delegate Welcome Reception

Sunday 30 August, 1900 - 2030, Hall 2

Network with colleagues from around the world and introduce yourself to the wider world of microscopy at the delegate welcome reception.

HITACHI

TECHNOORG LINDA

Thank you to Hitachi High-Tech Corporation and Technoorg Linda Ltd for sponsoring the delegate welcome reception.

Gala Dinner

Wednesday 2 September, 1930 - 2230, Hall 2

The gala dinner will take place in Hall 2 of the convention centre and will include a drinks reception and entertainment. This is always a memorable highlight of IMC, providing the perfect opportunity to catch up with friends and colleagues in an informal setting. Admission to the gala dinner is by ticket only. If you booked a ticket alongside your registration, details will be printed on



the back of your badge. This event is now sold out and we are unable to issue further tickets during IMC21.

Thank you to JEOL. for sponsoring the gala dinner.

Poster Sessions

Monday 31 August – Thursday 3 September, 1730 – 1830, Exhibition Hall

Once the congress sessions have finished for the afternoon, the daily poster sessions allow you to browse the IMC21 poster areas and discuss the research with the authors. The IMC21 poster areas will house over 800 posters incorporating all the congress symposia within the three main themes.

Poster sessions are free to attend and open to congress and exhibition visitors alike. There is no need to book in advance, just turn up.

Thank you to the generous sponsors of IMC21;

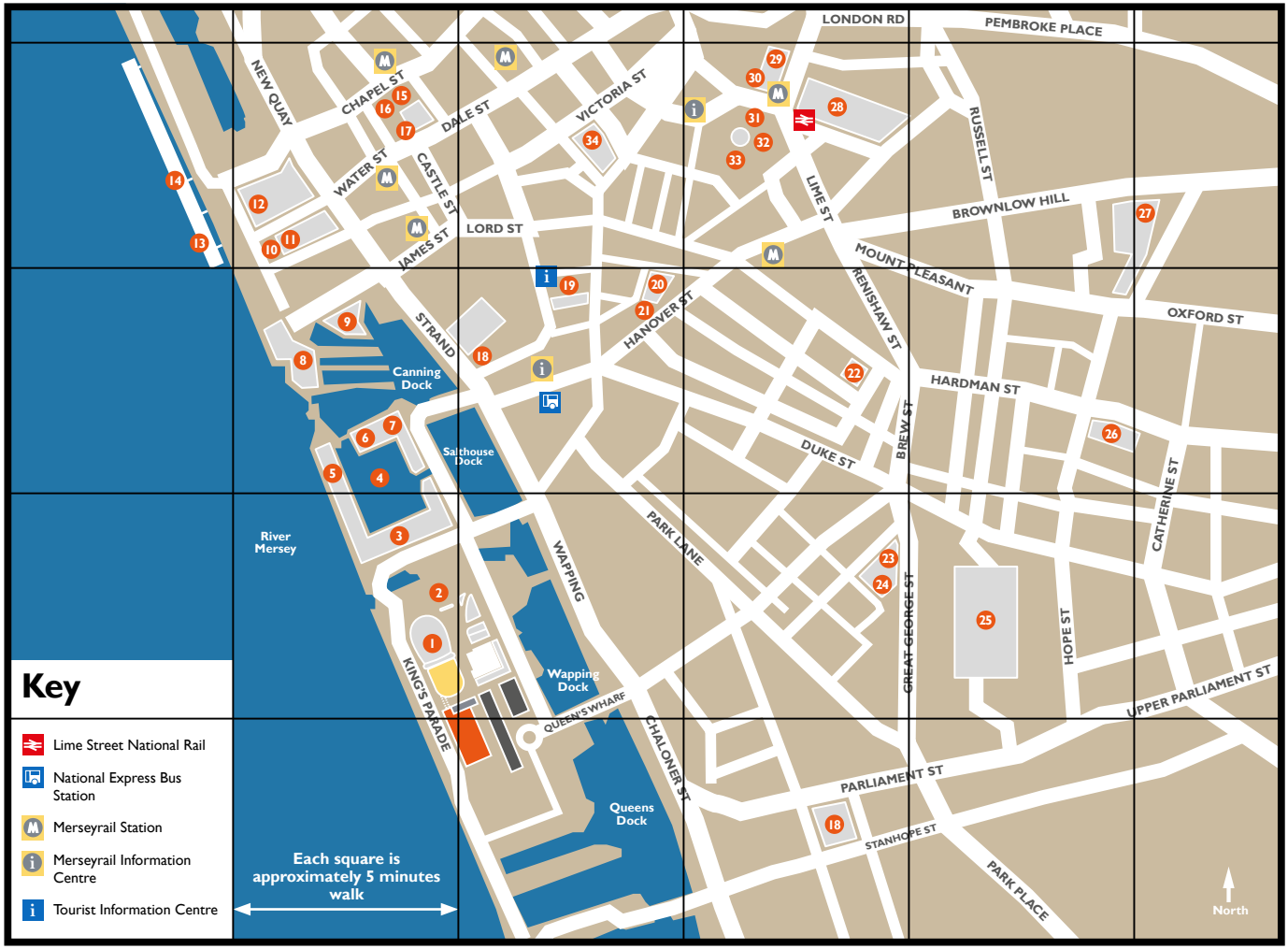
Platinum Sponsor

Gold Sponsors

Silver Sponsor

Social Events & Sponsors

Liverpool


LONDON RD
PEMBROKE PLACE
NEW QUAY
CHAPEL ST
DALE ST
VICTORIA ST
WATER ST
CASTLE ST
LORD ST
JAMES ST
LIME ST
RUSSELL ST
BROWNLOW HILL
MOUNT PLEASANT
OXFORD ST
RENSHAW ST
HANOVER ST
STRAND
Canning Dock
Salthouse Dock
HARDMAN ST
DUKE ST
BREW ST
CATHERINE ST
River Mersey
PARK LANE
WAPPING
KING'S PARADE
Wapping Dock
QUEEN'S WHARF
GREAT GEORGE ST
HOPE ST
UPPER PARLIAMENT ST
CHALONER ST
Queens Dock
PARLIAMENT ST
STANHOPE ST
PARK PLACE
North
Each square is approximately 5 minutes walk
Key
Lime Street National Rail
National Express Bus Station
Merseyrail Station
Merseyrail Information Centre
Tourist Information Centre

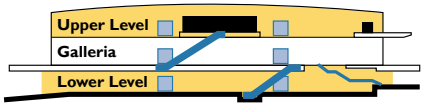
1. Liverpool Experience Campus (LEX)
2. Wheel of Liverpool
3. The Beatles Story
4. Royal Albert Dock Liverpool
5. Tate Liverpool
6. International Slavery Museum
7. Merseyside Maritime Museum
8. Museum of Liverpool
9. Open Eye Gallery
10. The Beatles Statue
11. British Music Experience
12. Royal Liver Building 360 Tour
13. Mersey Ferries
14. Liverpool Cruise Terminal
15. Exchange Flags
16. Western Approaches
17. Liverpool Town Hall
18. Liverpool Sign
19. Liverpool ONE
20. Bluecoat Display Centre
21. The Bluecoat
22. FACT
23. Chinese Arch
24. Black-E Community Centre
25. Liverpool Cathedral
26. Liverpool Philharmonic Hall
27. Metropolitan Cathedral
28. Liverpool Lime Street Station
29. St John's Gardens
30. St George's Hall
31. Royal Court Theatre
32. St John's Shopping Centre
33. St John's Beacon
34. Metquarter

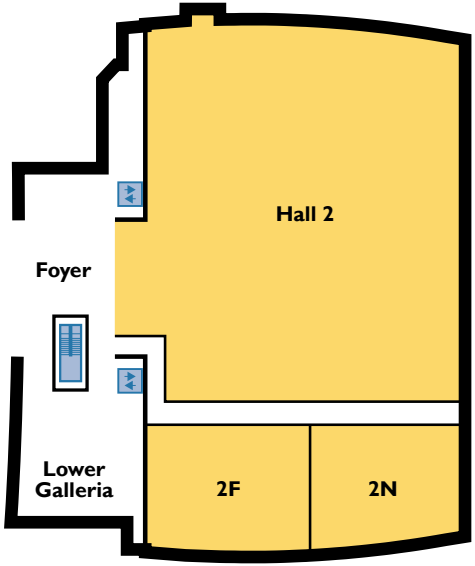


Liverpool Experience Campus

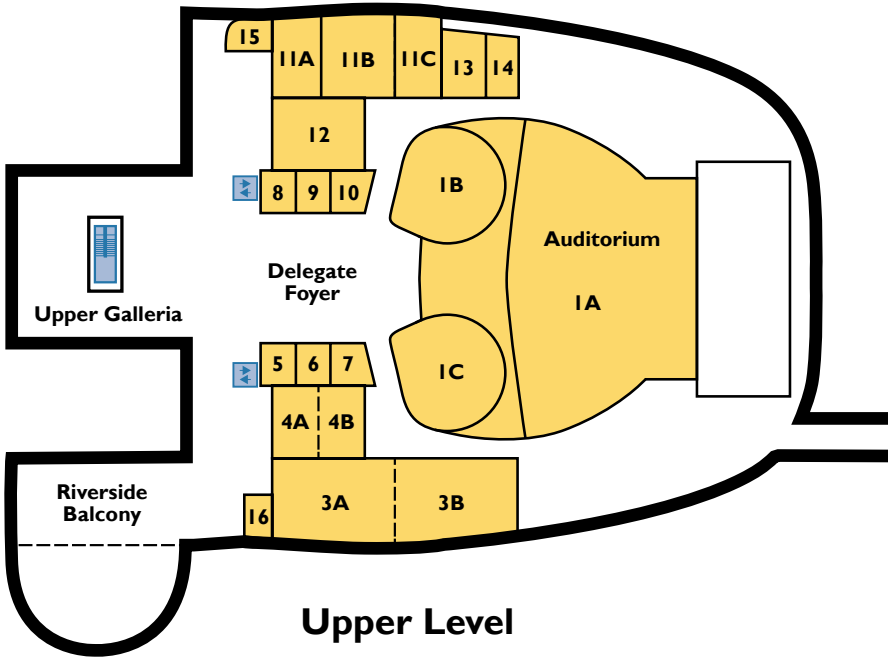
Liverpool Experience Campus

Convention Centre

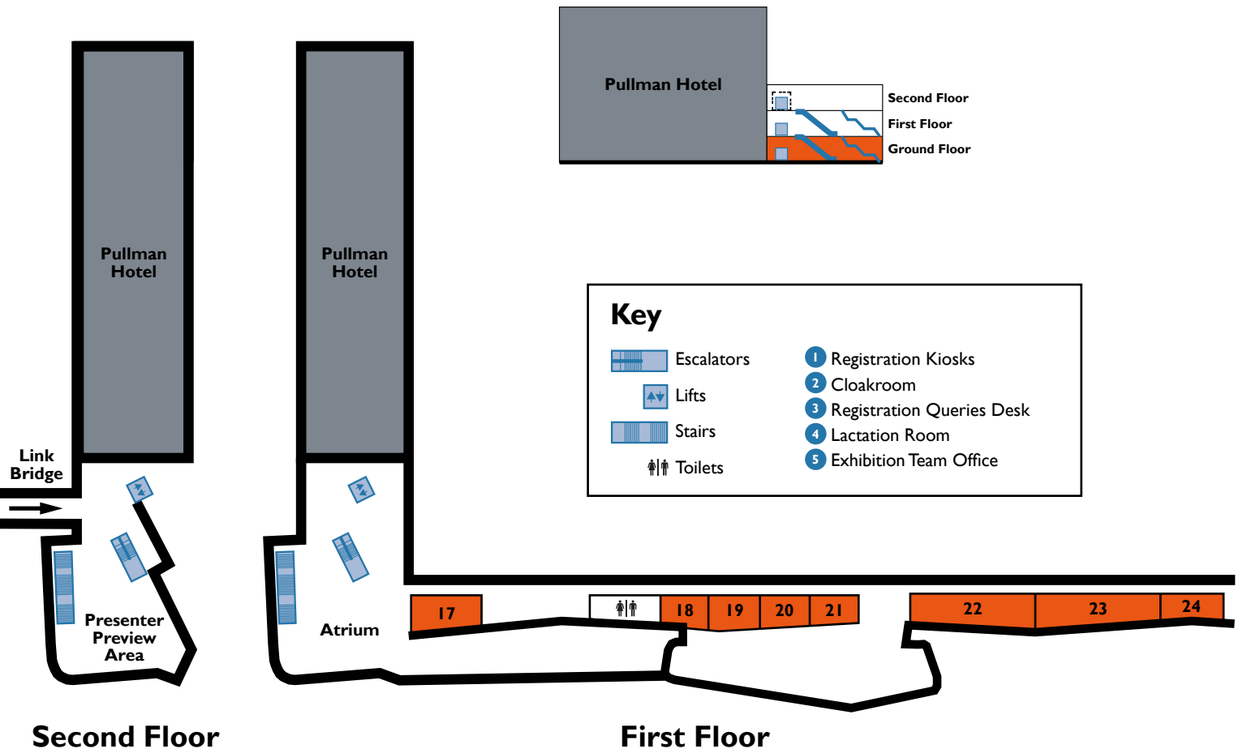


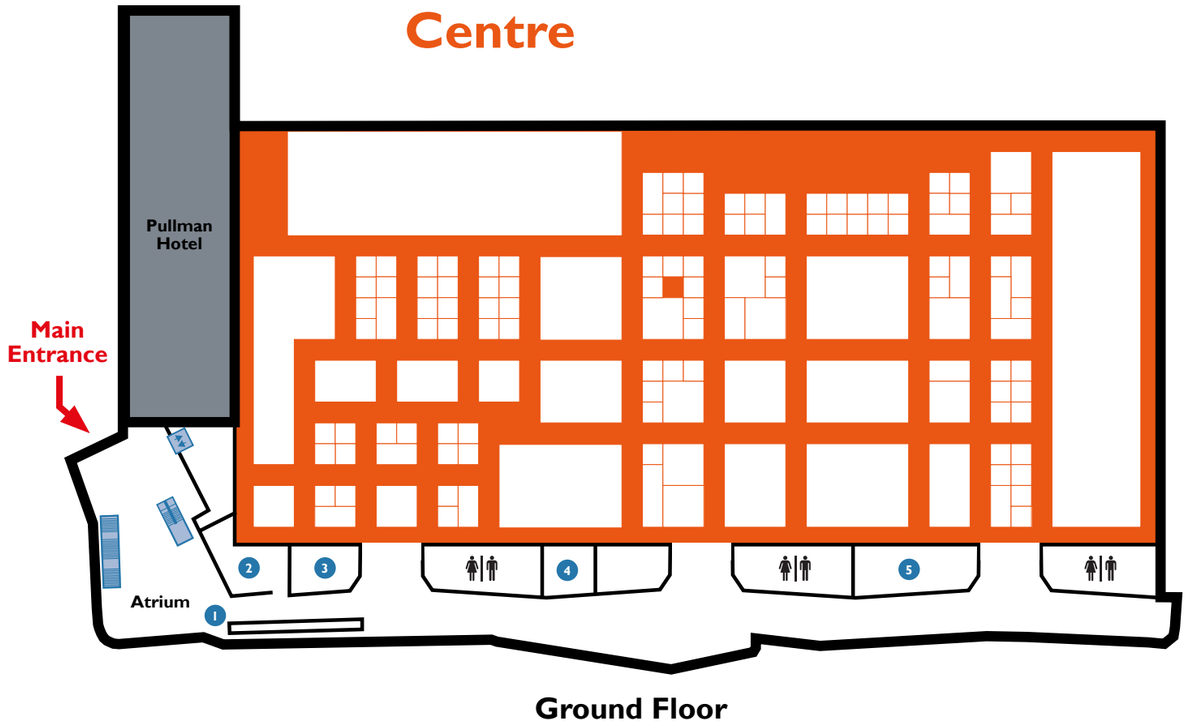


Lower Level



Upper Level





Liverpool Experience Campus

Exhibition Floorplan



Exhibition Opening Times

The exhibition will be open Monday 31 August – Thursday 3 September, 0930 - 1830 (all times are BST).

Exhibitor List

101 DRTEM / Single Particle
102 INORSS (UK) TECHNOLOGY LIMITED
103 Noblegen Cryogenics
105 Science Path
106 oxxius
107 CrestOptics Spa
108 Axiom Scientific Ltd
109 DECTRIS Ltd.
113 Chipnova
114 MicroSupport
115 ELLIOT SCIENTIFIC LTD
117 NanoMEGAS - Advanced Tools for Electron Diffraction
117 Quantum Design UK and Ireland Ltd
118 Simple Origin Inc.
119 Delong Instruments
121 ModuleSci
122 HWL Scientific Instruments GmbH
123 TOPTICA Photonics
124 SmarAct Group
125 Bruker
128 Tietz Video and Image Processing Systems GmbH
129 Kashiyama Europe GmbH
131 Mel-Build
137 JEOL
149 Hitachi High-Tech Corporation
157 Hummingbird Scientific
159 VitroTEM
160 EMSIS
161 Norcada
162 European Microscopy Society (EMS)
163 The Japanese Society of Microscopy
164 Korean Society of Microscopy (APMC14 & IAMNano)
209 Judges Scientific
213 Evident
217 ZEISS
229 SenseAI Vision
230 Spellman High Voltage
231 Graticules Optics Ltd
232 HREM Research Inc.
233 Tescan
237 Micro to Nano
238 Technoorg Linda Ltd.
247 Oxford Instruments
249 Park Systems
253 Direct Electron

254 OHTAMA CO., LTD.
255 Insight Chips
256 Ferrovac
257 NEWTEC Scientific
258 condenZero
309 CN Tech
310 scryptIQ Ltd
311 IMC21 Poster Helpdesk
312 Northern Light Microscopy
313 RAITH GmbH
314 Polaron
315 Electron Microscopy Sciences
317 abberior instruments
318 ZoNexus
320 Agilent Technologies
321 Scimed-SEC-Waviks
322 IMC22 Berlin
323 TRAD Tests & Radiations
324 SiriusXT Ltd.
325 Confocal NL
326 Meiwafosis Co., Ltd.
327 University of Liverpool
328 3D-Micromac.com
329 Kleindiek Nanotechnik
330 Agar Scientific (A Calibre Scientific Company)
331 Diatome Ltd
332 Tousimis
333 Gatan, Inc.
335 National X-ray Computed Tomography
336 Doctor X
337 ZepTools
341 point electronic GmbH
342 XEI Scientific, Inc.
343 YPS
344 Hamamatsu Photonics UK Limited
344 NKT Photonics Ltd
345 DAEIL SYSTEMS
347 CIQTEK Co., Ltd.
351 Protochips, Inc.
355 Systron EMV GmbH
356 Quantum Detectors
357 Thermo Fisher Scientific
377 DENSsolutions
379 SAES HIGH VACUUM
380 Fischione Instruments
381 DELMIC
385 Ted Pella, Inc
386 Kammrath & Weiss GmbH
388 Henry Royce Institute
389 AdvaScope
391 Kims Reference Corp.
401 ConnectomX Ltd.
402 Photon Lines Ltd
402 Tomocube
408 3i - Intelligent Imaging Innovations
409 Mascotek Scientific
413 TMC Vibration Control
414 Seismion GmbH
419 SEM
420 SuPro Instruments Limited
421 PNDetector GmbH
425 Blue Scientific Ltd
426 CRYTUR
429 Demcon kryoz
430 Zhejiang Qiyue Technology Co., Ltd.
431 LUXOR
436 Brnoregion Microscopy
437 Semplor
438 Sioux Technologies
440 ibss Group, Inc.
441 ATTOLIGHT AG
442 Digital Surf
444 Bioimaging UK
446 Bestron GmbH
447 Royal Microscopical Society
452 Journal of Microscopy

Exhibition Floorplan

Quick Links

Congress App Download Links

App Store

Google Play Store

Scientific Programme

Visit Liverpool Tourist Information

IFSM

International Federation of Societies for Microscopy (IFSM)

The International Federation of Societies for Microscopy's (IFSM) aim is to contribute to the advancement of microscopy in all its aspects. It comprises microscopy societies from all around the world.

The University of Liverpool

'For advancement of learning and ennoblement of life' has been the mission of the University of Liverpool (UoL) since it was founded in 1881. To this day, these values focus our efforts as we strive to achieve our ambitions and tackle the grand challenges of the age.

RMS

Royal Microscopical Society

The Royal Microscopical Society (RMS) is dedicated to furthering the science of microscopy. It does that through a wide range of activities that support research and education in microscopy, and through enabling microscopists to make advances and developments in microscopy, cytometry and imaging.

Find out more about the Royal Microscopical Society