

Hybrid Conference Agenda

Start (BST)	Finish (BST)	Presenter details
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Monday, 10 October 2022

11:30	12:30	Registration with lunch
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12:30	12:40	Welcome
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Scientific Programme Committee:

[Ileana Cristea, Princeton University, USA](#)

[Angus Lamond, University of Dundee, UK](#)

[Emma Lundberg, Stanford University, USA & KTH Royal Institute of Technology, Sweden](#)

[Matthias Mann, Max Planck Institute of Biochemistry, Germany](#)

12:40	13:40	Keynote 1
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Introduction to the session

Chair: Matthias Mann

Moderator: Emma Lundberg

12:40	13:40	Single Cell and Deep Visual Proteomics for Biomedicine Matthias Mann, Max Planck Institute of Biochemistry, Germany
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13:40	13:55	Comfort break
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13:55	15:30	Session 1: Infectious Diseases
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Introduction to the session

Chair: Ileana Cristea

Moderator: Matthias Mann

13:55	14:25	Viral E protein neutralizes BET protein-mediated post-entry antagonism of SARS-CoV-2 Melanie Ott, Gladstone Institutes, University of California, San Francisco, USA - VIRTUAL
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14:25	14:55	Trypanosome proteomics Mike Ferguson, University of Dundee, UK
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14:55	15:10	Functional multi-omics reveals a noncanonical mechanism of COVID-19 pathogenesis and multifaceted COVID-19 therapeutics <i>Xian Chen, University of North Carolina at Chapel Hill, USA</i>
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15:10	15:25	Quantitative temporal analysis of modified vaccinia Ankara <i>Marisa Oliveira, University of Cambridge, UK</i>
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15:30	16:15	Refreshment Break
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16:15	17:45	Session 2: Structure to function
		Introduction to the session <i>Chair: Emma Lundberg</i> <i>Moderator: Ileana Cristea</i>
16:15	16:45	Orchestration of RNA and protein re-localization upon cellular stress Kathryn Lilley University of Cambridge, UK
16:45	17:00	Proteome-wide analysis of ubiquitylation site stoichiometry <i>Gabriela Prus, University of Copenhagen, Denmark</i>
17:00	17:15	The proximal proteome of G-Quadruplexes <i>Georges Blattner, Institute of Molecular Biology gGmbH</i>
17:15	17:45	Big data in biology: what the pandemic has taught us Ewan Birney, EMBL-EBI, UK
17:45		Presentation and welcome reception sponsored by Evosep
18:30		Dinner
18:30		Cash bar

Tuesday, 11 October 2022

07:30	09:30	Breakfast
09:30	11:00	Session 3: Technology
		Introduction to the session <i>Chair: Angus Lamond</i> <i>Moderator: Emma Lundberg</i>
09:30	10:00	Love thy neighbor – unraveling the tumor microenvironment using multiplexed imaging Leeat Keren, Weizmann Institute of Science, Israel
10:00	10:30	Biophysical proteomics Mikhail Savitski, EMBL, Heidelberg, Germany
10:30	10:45	Functional catalogue of proximity-dependent degraders and stabilizers in the human proteome <i>Mikko Taipale, University of Toronto, Canada</i>
10:45	11:00	Cell-type resolved dissection of pancreatic islet biology on the proteome and phosphoproteome level <i>Marvin Thielert, Max Planck Institute of Biochemistry, Germany</i>

11:00	11:30	Refreshment break
11:30	13:00	Session 4: Cell Biology
		Introduction to the session <i>Chair: Ileana Cristea</i> <i>Moderator: Matthias Mann</i>
11:30	12:00	Proteomic analysis of human diversity and its impact for drug discovery using iPS cells <i>Angus Lamond, University of Dundee, UK</i>
12:00	12:15	Quantitative multi-organ proteomics of SARS-CoV-2 infection <i>Lisa Schweitzer, Max Planck Institute of Biochemistry, Germany</i>
12:15	12:30	Subcellular proteomics identifies novel insulin-stimulated protein translocation events in adipocyt <i>Olivia Conway, University of Cambridge, UK</i>
12:30	12:45	Identification of Novel Protein-Metal Interactions by Multiplexed Quantitative Mass Spectrometry <i>Rose Fields, University of Washington, USA</i>
12:45	13:00	Proteomic analysis identifies a transitory interferon signature and hallmarks of delayed recovery in the neutrophil proteomes of COVID-19 patients <i>Alejandro Brenes, University of Dundee, UK</i>
13:00	14:30	Lunch
14:30	16:00	Session 5: PTMs and Protein Complexes
		Introduction to the session <i>Chair: Emma Lundberg</i> <i>Moderator: Angus Lamond</i>
14:30	15:00	Proteomic exploration of the properties of ubiquitylation <i>Chuna Choudhary, University of Copenhagen, Denmark</i>
15:00	15:30	Human Viruses Rewire Membrane Contact Sites for Pro-Viral Organelle Remodeling <i>Ileana Cristea, Princeton University, USA</i>
15:30	15:45	Personalised phosphoproteomics identifies functional signalling <i>Elise Needham, University of Cambridge, UK</i>
15:45	16:00	Systematic characterization of proline hydroxylation using hydrophilic interaction chromatography (HILIC) and MS-based proteomic analysis to reveal novel PHDs substrates <i>Hao Jiang, University of Dundee, UK - VIRTUAL</i>
16:00	16:45	Refreshment break

16:45 17:45 Keynote 2

Introduction to the session

Chair: Matthias Mann

Moderator: Ileana Cristea

16:45 17:45 Mapping the spatiotemporal proteome architecture of human cells

[Emma Lundberg, Stanford University, USA & KTH Royal Institute of Technology, Sweden](#)

17:45 19:30 Poster Session

17:45 18:15 Poster session lightning talks

18:15 19:30 Poster session

19:30 Conference Dinner

19:30 Cash bar

Wednesday, 12 October 2022

07:30 09:30 Breakfast

09:30 11:15 Session 6: Clinical and Translational Applications

Introduction to the session

Chair: Angus Lamond

Moderator: Matthias Mann

09:30 10:00 Proteomic investigation of host responses to SARS-CoV-2

[Tiannan Guo, Westlake University, China - VIRTUAL](#)

10:00 10:30 TBC

Michael Weekes, University of Cambridge, UK

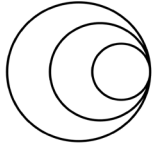
10:30 11:00 Recent advances in quantitative proteomics applied to immunology and cancer

[Steve Carr, Broad Institute, USA](#)

11:00 11:15 Multiplexed validation of anti-GPCR antibodies

Ilana Kotliar, The Rockefeller University, USA

11:15 11:30 Comfort Break



11:30	12:30	Keynote 3
		Introduction to the session <i>Chair: Ileana Cristea</i> <i>Moderator: Angus Lamond</i>
11:30	12:30	Strategies for non-canonical cancer antigen discovery <i>Nicola Ternette, University of Oxford, UK</i>
12:30	12:45	Closing remarks
		Scientific Programme Committee: <i>Ileana Cristea, Princeton University, USA</i> <i>Angus Lamond, University of Dundee, UK</i> <i>Emma Lundberg, Stanford University, USA & KTH Royal Institute of Technology, Sweden</i> <i>Matthias Mann, Max Planck Institute of Biochemistry, Germany</i>
12:45	13:45	Lunch
13:45		Coach to Stansted & Heathrow departs
13:55		Coach to Cambridge City Centre and Train Station departs