

**Proteomics in Cell Biology and Disease Mechanisms
28 February – 2 March 2018**

**Wellcome Genome Campus,
Hinxton, Cambridge, UK**

Draft Conference Programme

Wednesday, 28 February

12:30-13:50	Registration
13:50-14:00	Welcome and Introductions <i>Programme Committee</i>
14:00-15:00	Keynote Lecture Activity-based proteomics – protein and ligand discovery on a global scale <i>Benjamin Cravatt</i> <i>Scripps, USA</i>
15:00-16:00	Session 1: Bioinformatics & Structural Biology
	15:00 Proteome tools for the investigation of drugs, targets and disease mechanisms <i>Bernhard Kuster</i> <i>Technical University of Munich, Germany</i>
	15:30 Membrane proteins - the lipid connection <i>Carol Robinson</i> <i>University of Oxford, UK</i>
16:00-16:30	Afternoon Tea
16:30-17:45	Session 1 continued:
	16:30 Short talk selected from submitted abstract
	16:45 Short talk selected from submitted abstract
17:00 – 17:30	Lightning talks
17:30 - 19:00	Poster Session 1 (odd numbers) with drinks reception
19:00	Dinner

Thursday, 1 March

09:00-10:30

Session 2: Interactomes

09:00 *Anne-Claude Gingras*
Lunenfeld-Tanenbaum, Canada

09:30 Development of a proteomic tool box for deciphering biomarkers of therapeutically relevant proteolytic enzymes
Jennie R. Lill
Genentech, Inc, USA

10:00 Short talk selected from submitted abstract

10:15 Short talk selected from submitted abstract

10:30-11:00

Morning Coffee

11:00-12:30

Session 3: Cell Biology/Cell Systems

11:00 *Sarah Teichmann*
Wellcome Trust Sanger Institute, UK

11:30 Proteogenomic analysis of human breast cancer
Philipp Mertins
Max Delbrück Center for Molecular Medicine, Germany

12:00 Short talk selected from submitted abstract

12:15 Short talk selected from submitted abstract

12:30-14:00

Lunch

14:00-15:45

Session 4: Spatial Proteomics

14:00 Approaches to explore the RNA binding proteome in time and space
Kathryn Lilley
University of Cambridge, UK

14:30 *Brian Burke*
Institute of Medical Biology, Singapore

15:00 Short talk selected from submitted abstract

15:45-16:15

Afternoon Tea

16:15-17:30

Session 5: Advances in PTM studies

16:15 *Chuna Choudhary*
University of Copenhagen, Denmark

16:45 New roles of protein methylation -on histones and beyond- for the regulation of stress response and miRNA biogenesis in cancer
Tiziana Bonaldi
European Institute of Oncology, Italy

17:15 Short talk selected from submitted abstract

17:30-18:00 **Lightning talks**

18:00-19:30 **Poster Session 2 (even numbers) with drinks reception**

19:30 **Dinner**

Friday, 2 March

09:00-10:30 **Session 6: Omics in Biology**

09:00 Discovery and characterization of non-annotated microproteins
Alan Saghatelian
Salk Institute for Biological Sciences, USA

09:30 *Ileana Cristea*
Princeton University, USA

10:00 Short talk selected from submitted abstract

10:15 Short talk selected from submitted abstract

10:30-11:00 **Morning Coffee**

11:00-12:45 **Session 7: New Frontiers in Proteomics**

11:00 From histones to oncogenic proteoforms: translational top-down proteomics to better understand cancer and its biology
Neil Kelleher
Northwestern University, USA

11:30 High performance peptide chromatography for illuminating the dark side of proteomes
Yasushi Ishihama
Kyoto University, Japan

12:00 Short talk selected from submitted abstract

12:15-13:15 **Keynote Lecture**
Dissecting the spatiotemporal subcellular distribution of the human proteome
Emma Lundberg
Royal Institute of Technology, Sweden

13:15-13:20	Closing remarks
13:20	Lunch (packed lunch)
13:30	Coaches depart to Cambridge City Centre and Train Station, Heathrow Airport via Stansted Airport