PROGRAMME

WEEK ONE:

Wednesday, 14 March 2018

8:30 – 9:00  Welcome and Introduction to the Course  Venue
Course Directors  HRI-S7

9:00 – 12:00  Students’ self-presentations  HRI-S7

12:00 – 13:00  Lunch  HRI-S7

13:00 – 14:00  W1: Introduction to the Practical Sessions  HRI-S7
Sumana Sanyal
HKU – Pasteur Research Pole, Hong Kong SAR
Rakesh Sharma
The University of Hong Kong, Hong Kong SAR

14:00 – 14:30  Break  HRI-S7

14:30 – 19:00  W1: Practical workshop  HRI-S7
Part A: SILAC-labeling of HeLa cells producing virus-like particles of dengue or Zika virus

19:00 –  Welcome Reception  HRI-7FI

Thursday, 15 March 2018

8:30 – 10:30  L1: New mass spectrometric techniques  HRI-S7
Zhongping Yao
The Hong Kong Polytechnic University, Hong Kong SAR

10:30 – 11:00  Break  HRI-S7

11:00 – 13:00  L2: Chemoproteomics for ubiquitin and protease biology  HRI-S7
Benedikt Kessler
University of Oxford, UK

13:00 – 14:00  Lunch  HRI-S7

14:00 – 16:00  L3: Role of ubiquitin-like proteins in host-pathogen interactions  HRI-S7
Liliana Radoshevich
Institut Pasteur, France

16:00 – 16:30  Break  HRI-S7

16:30 – 19:00  W2: Practical workshop  HRI-S7
Introduction to software analysis
Friday, 16 March 2018

8:30 – 10:30  **L4:** Quantitating proteome dynamics in primary T lymphocytes  
Oreste Acuto  
University of Oxford, UK  

10:30 – 11:00  **Break**

11:00 – 13:00  **L5:** Proteomic approaches to understand ER quality control and organelle biogenesis  
Pedro Carvalho  
University of Oxford, UK  

13:00 – 14:00  **Lunch**

14:00 – 16:00  **L6:** Applications of proteomics to biomarker discovery for disease diagnoses and prognoses  
Terence Chuen-Wai Poon  
University of Macau, Macau

16:00 – 16:30  **Break**

16:30 – 19:00  **W3:** Practical workshop  
*Introduction to software analysis*

Saturday, 17 March 2018

10:00 – 12:30  **W4:** Practical workshop  
*Part B: Enrichment of phosphorylated peptides on TiO2 beads*

WEEK TWO:

Monday, 19 March 2018

9:00 – 11:00  **L7:** Cancer secretome and tumor progression  
Sara Zanivan  
Cancer Research UK Beatson Institute, UK  

11:30 – 11:30  **Break**

11:30 – 12:30  **L8:** Matrisomic: applications to cancer biology  
Alexandra Naba  
University of Illinois at Chicago, USA  

12:30 – 13:30  **Lunch**

13:30 – 14:30  **L8:** Matrisomic: applications to cancer biology  
Alexandra Naba  
University of Illinois at Chicago, USA  

14:30 – 15:00  **Break**
15:00 – W5: Practical workshop  
Part C: Analyses of mass spectra using Proteome Discoverer/Scaffold  

**Tuesday, 20 March 2018**

9:00 – 11:00  
L9: A functional screening platform to investigate inflammasome activation during infection  
**Florian Schmidt**  
University of Bonn, Germany  

11:30 – 11:30 Break  

11:30 – 12:30  
L10: Characterization of novel viral evasion pathways using quantitative proteomics  
**Paul Lehner**  
Cambridge Institute for Medical Research, UK  

12:30 – 13:30 Lunch  

13:30 – 14:30  
L10: Characterization of novel viral evasion pathways using quantitative proteomics  
**Paul Lehner**  
Cambridge Institute for Medical Research, UK  

14:30 – 15:00 Break  

15:00 – W6: Practical workshop  
*Data analysis*  

**Wednesday, 21 March 2018**

9:00 – 11:00  
L11: Quantitative multiplexed proteomics to investigate host-pathogen interactions  
**Michael Weekes**  
Cambridge Institute for Medical Research, UK  

11:30 – 11:30 Break  

11:30 – 12:30  
L12: Chemical proteomic tools for post translational lipid modifications in virus infections  
**Remigiusz Serwa**  
Imperial College London, UK  

12:30 – 13:30 Lunch  

13:30 – 14:30  
L12: Chemical proteomic tools for post translational lipid modifications in virus infections  
**Remigiusz Serwa**  
Imperial College London, UK
14:30 – 15:00 Break

15:00 – W7: Practical workshop HRI-S7
   Data analysis

**Thursday, 22 March 2018**

9:30 – 11:30 L13: Functional strategies to isolate ubiquitylated proteins during flavivirus infections HRI-S7
   Sumana Sanyal
   HKU-Pasteur Research Pole, Hong Kong SAR

11:30 – 12:30 Lunch

14:00 – W8: Practical workshop HRI-S7
   Exam preparation

**Friday, 23 March 2018**

All day Oral Exam HRI-S7

19:00 Award Dinner TBA

Remarks: L = Lecture   W = Workshop