

2021 ISMB Symposium, 7-8 January

The 2021 ISMB Symposium was held in honour of its founding director, [Prof Gabriel Waksman](#).

The Symposium took place online via **Microsoft Teams** on **Thursday 7th and Friday 8th January 2021**.

Programme

Day 1, Thursday 7th January 2021, 10:00-16:30 (GMT)

Session 1, 10:00-12:00 (120 minutes). Chair: **Jerome Gouge**

10:00 Welcome by **Finn Werner** and Introduction by **David Latchman**

10:20-10:40 **Remi Fronzes**, IECB, France

'A structural biology tale of bacterial swords and shields'

10:45-11:05 **Sebastian Geibel**, University of Würzburg, Germany

'Structural biology of type VII secretion systems'

11:10-11:30 **Anthony Roberts**, ISMB, UK

'Building the cilium with ATP-driven molecular motors'

11:35-11:55 **Carolyn Moores**, ISMB, UK

'Switching kinesin motors on and off'

Session 2, 13:00-14:45 (105 minutes). Chair: **Kostas Thalassinos**

13:00-13:20 **Jim Naismith**, Rosalind Franklin Institute, UK

'Insights from structural biology into infectious diseases, Covid19 and bacteria'

13:25-13:45 **Han Remaut**, Vrije Universiteit Brussel, Belgium

'Curli – structure, function and application of a bacterial amyloid pathway'

13:50-14:10 **Giulia Zanetti**, ISMB, UK

'A complex COPII network revealed by cryo-electron tomography'

14:15-14:35 **Stefan Howorka**, ISMB, UK

'Biomimetic membrane pores made from DNA'

Session 3, 15:10-16:25 (100 minutes). Chair: **Snezana Djordjevic**

15:10-15:40 **Jorge Galan**, Yale School of Medicine, US

'The Salmonella type III secretion machine'

15:50-16:20 **John Kuriyan**, Berkeley College of Chemistry, US

'Deep Mutagenesis of a DNA Polymerase Clamp Loader System'

Day 2, Friday, 8th January, 2021, 10:00-15:00 (GMT)

Session 4, 10:00-12:00 (90 minutes). Chair: **Phil Robinson**

10:00-10:20 **Harry Low**, Imperial College London, UK

'Bacterial Vipp1 and PspA are members of the ancient ESCRT-III membrane remodelling superfamily'

10:25-10:45 **Amandine Marechal**, ISMB, UK

'Mitochondrial respiratory super-complexes'

10:50-11:10 **Anastasia Mylona**, ISMB, UK

'A temporal phosphorylation code controls the function of c-Jun/JNK signaling in transcription and cancer'

11:15-11:35 **John Christodoulou**, ISMB, UK

'Protein Folding on the Ribosome' 11:15-11:35

Session 5, 13:00-14:30 (90 minutes). Chair: **Andres Ramos**

13:00-13:30 **Ann Stock**, Centre for Advanced Biotechnology and Medicine, USA [-5hrs]

'Transcription factors as antimicrobial drug targets: exploring the sensitivity of two-component system output to response regulator sufficiency'

13:35-13:55 **Finn Werner**, ISMB, UK

'A paradigm shift in archaeal transcription regulation'

14:00-14:30 **Helen Saibil**, ISMB, UK

'The evolution of structural biology at the ISMB'

14:30 Closure and concluding remarks by **Frances Brodsky**