



British Crystallographic Association



## Biological Structures Group Winter Meeting 2020 Friday 18<sup>th</sup> December

### “Celebrating Rosalind Franklin's 100-year Birthday: New Structures, New Challenges”

Our Winter meeting celebrates Rosalind Franklin's 100<sup>th</sup> Birthday with a line-up of world-leading international speakers presenting some of the newest and exciting achievements in structural biology, including a substantial number of presentations related to SARS-CoV-2.

We are also delighted that Professor Matthew Cobb from the University of Manchester will open our meeting with a historical account of the life and times of Rosalind Franklin.

In addition to organising meetings, a key role of the BCA Biological Structures Group is to promote the development of structural biology, particularly through supporting workshops, training and other events aimed at students and early career researchers. We receive many requests for support and profits from this meeting will be used to support as many of those events as we are able.

Please note that we have tried to keep registration costs low. However, if you are a student and/or young researcher and are in need to support to attend this meeting then please contact our secretary Dr. Mark Roe (M.Roe@sussex.ac.uk) to discuss your circumstances.

#### Registration Packages:

**Standard Rate** (incl. membership for the British Crystallographic Association 2021) - **£60**

**Standard Rate** (without membership) – **£40**

**Student Rate** (incl. membership for the British Crystallographic Association 2021) - **£35**

**Student Rate** (without membership) – **£20**

All proceeds of the meeting are used to support workshops, crystallographic meetings and bursaries.

To register please use this link: <https://www.eventsforce.net/hg3/188/register>

The BSG committee thanks Swiss-CI for support for this meeting.

**SWISSCI**

Time	Program
<b>10:30 – 10:35</b>	Session 1: Chair Kate Brown (University of Cambridge) Kate Brown – Welcome
<b>10:35 – 11:05</b>	<b>Matthew Cobb</b> (University of Manchester, UK) – <i>The life and times of Rosalind Franklin.</i>
<b>11:05 – 11:35</b>	<b>Briony Yorke</b> (University of Bradford, UK) – Early Career Prize Lecture - <i>Developing new tools for time-resolved crystallography.</i>
<b>11:35 – 12:05</b>	<b>Elena Seiradake</b> (University of Oxford, UK) - <i>Receptor-ligand complexes in the brain: combining structural and biological methods to understand the biology.</i>
<b>12:05 – 13:00</b>	Lunch Break
<b>13:00 – 13:30</b>	Session 2: Chair Mike Hough (University of Essex) <b>Andrea Thorn</b> (HARBOUR, Hamburg University, Germany) – <i>The Coronavirus Structural Taskforce: A 2020 effort.</i>
<b>13:30 – 14:00</b>	<b>Patrick Cramer</b> (Max Planck Institute, Göttingen, Germany) - <i>Coronavirus RNA polymerase: structure and inhibition by remdesivir.</i>
<b>14:00 – 14:30</b>	<b>Jason McLellan</b> (University of Texas, Austin, USA) - <i>Development of Antibodies and Vaccine Antigens for SARS-CoV-2.</i>
<b>14:30 – 15:00</b>	Coffee/Tea Break
<b>15:00 – 15:30</b>	Session 3: Chair Ivo Tews (University of Southampton) <b>Donald Benton</b> (Crick Institute, London, UK) - <i>Structural basis of SARS-CoV-2 receptor binding.</i>
<b>15:30 – 16:00</b>	<b>Tânia Custódio</b> (DESY/EMBL, Hamburg, Germany) - <i>Selection and structural analysis of synthetic nanobodies neutralizing SARS-CoV-2.</i>
<b>16:00 – 16:30</b>	<b>Sjors Scheres</b> (LMB, Cambridge, UK) - <i>Cryo-EM single-particle analysis to atomic resolution.</i>
<b>16:30 – 16:35</b>	Kate Brown – Close
<b>16:35 – 17:00</b>	Post-meeting Get-Together