

# CSSB Networking Symposium

**Date:** 9 December 2021

**Location:** <https://desy.zoom.us/j/82370657728>; Meeting ID: 823 7065 7728; Passcode: 640171

Welcome	
9:00	Welcome & CSSB Overview Chris Meier, Scientific Director CSSB

Session 1: Molecular approaches to malaria Session Chairs: Michael Filarsky / Tim Gilberger	
9:20	Introduction: Walter and Eliza Hall Institute of Medical Research (WEHI), Australia
9:25	<b>Malaria parasite invasion, versatile structural scaffolds and alternate erythrocyte receptors</b> Wai-Hong Tham (WEHI)
9:50	<b>Discovery of novel antimalarials and their use as chemical tools to discover new biology of the malaria parasite</b> Alan Cowman (WEHI)

10:15	<b>The phospholipase PNPLA2 and its link to the malaria parasite's respiratory chain</b> Emma Pietsch, CSSB (Gilberger)
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## 10:25 Coffee Break

Session 2: Pathogen – Host Interactions Session Chairs: Jens B. Bosse / Michael Kolbe	
10:35	Introduction: University of Cambridge, United Kingdom
10:40	<b>The many ways of interfering with interferon by vaccinia virus</b> Geoffrey L. Smith (Cambridge)

11:05	<b>Structural and in vivo characterisation of the Type IX Secretion system/gliding motility motor</b> Rory Hennell James, CSSB (Marlovits)
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## 11:15 Coffee Break

Session 3: TB and structural MS Session Chairs: Thomas Marlovits / Jörg Labahn	
11:25	Introduction: Institut de Pharmacologie et de Biologie Structurale, France
11:30	<b>Metallobiology at the host-pathogen interface: the case of tuberculosis</b> Olivier Neyrolles (IPBS)
11:55	<b>Structural Mass Spectrometry of the proteasome</b> Julien Marcoux (IPBS)

12:20	<b>MS-SPIDOC: Mass spectrometry meets single particle imaging</b>
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Thomas Kierspel, CSSB (Utrecht)
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### 12:30 Lunch

#### Session 4: From transporters to SARS-CoV2

Session Chairs: Christian Löw / Thomas Gutschmann

13:15	Introduction: University of Aarhus, Centre for Structural Biology, Denmark
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13:20	<b>Structure, function and mechanism of human chloride transporter NKCC1</b> Poul Nissen (AU)
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13:45	<b>Elucidating the mechanism of a NAD-depleting RES-domain toxin</b> Ragnhild Bager Skjerning (AU)
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14:10	<b>Inhibitor screening and structural characterization of virulence factors from SARS-CoV-2</b> Spyros D. Chatziefthymiou, CSSB (Kolbe)
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### 14:20 Coffee Break

#### Session 5: Computational Systems Biology

Session Chairs: Maya Topf / Jan Kosinski

14:30	Introduction: Humboldt-Universität zu Berlin, Germany
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14:35	<b>Regulation of ion fluxes between Plasmodium falciparum and infected red blood cells.</b> Edda Klipp (HU-Berlin)
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15:00	<b>Purifying and characterizing parasite tubulins as potential drug targets</b> Simone Reber (HU-Berlin)
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15:25	<b>AI-based modeling reveals nuclear pore complexity</b> Marc Siggel, CSSB (Kosinski)
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### 15:35 Coffee Break

#### Session 6: Macromolecular complexes

Session Chairs: Kay Grünewald / Holger Sondermann

15:45	Introduction: Utrecht University, The Netherlands
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15:50	<b>A clearer picture of the ER translocon complex</b> Friedrich Förster (UU)
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16:15	<b>Elucidating the molecular mechanisms of protein aggregation in C. elegans as a living model system</b> Tessa Sinnige (UU)
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16:40	<b>Opening new opportunities for Kd determination and screening of MHC peptide complexes</b> Janine-Denise Kopicki, CSSB (Utrecht)
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#### Networking

Session Chairs: Rainer Kaufmann / Charlotte Utrecht / Martin Hällberg

16:50	Closing Remarks
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16:55	Networking
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