

## Program Tiselius symposium August 28, 2025

<i>Session 1</i>	<i>Chairs Mikael Widersten &amp; Erik Marklund</i>
09:00 – 09:05	<b>Ylva Ivarsson</b> (Chemistry - BMC, UU, Sweden) Welcome Remarks
09:05 – 09:15	<b>Helena Danielson</b> (Chemistry - BMC, UU, Sweden) Tiselius and Biochemistry in Uppsala
09:15-09:20	<b>Eva Tiselius Bohlin</b> Memories and reflections as daughter to Arne
09:20 – 09:45	<b>Lori Passmore</b> (MRC LMB, Cambridge, UK) Molecular insights into the mRNA poly(A) tail machinery
09:45 – 09:55	<b>Maria Selmer</b> (ICM, UU, Sweden) Doublet decoding of tRNASer3 demonstrates plasticity of ribosomal decoding center.
09:55 – 10:20	<b>Arne Elofsson</b> (Stockholm University, Sweden) Towards a complete human interactome
10:20 – 10:45	<i>Coffee Break and poster session (odd numbers)</i>
<i>Session 2:</i>	<i>Chair Ylva Ivarsson</i>
10:45 – 11:10	<b>Katja Luck</b> (IMB, Mainz, Germany) Variant characterization in the intrinsically disordered human proteome
11:10 – 11:20	<b>Laszlo Dobson</b> (Institute of Molecular Life Sciences, Budapest, Hungary) Insights into pathogen sorting systems with the combination of structural modeling and deep learning
11:20 – 11:30	<b>Liuqun Zhao</b> (ICM, UU, Sweden) $\Delta 133p53\alpha$ and $\Delta 160p53\alpha$ isoforms of the tumor suppressor protein p53 exert dominant-negative effect primarily by co-aggregation
11:30 – 11:40	<b>Axel Leppert</b> (ICM, UU, Sweden) Combining native MS, Mass Photometry, and AI-Based Modeling to capture LLPS-specific interactions.
11:40 – 12:05	<b>Markku Varjosalo</b> (University of Helsinki, Finland) Exploring Protein-Protein Interactions in Disease and Therapy
12:05 – 12:10	<b>Jesper Hedberg</b> Testa Center/Testa Challenge
12:10 – 13:25	<i>Lunch Break and poster session (odd and even numbers)</i>
<i>Session 3:</i>	<i>Chair Sebastian Westenhoff</i>
13:25 – 13:50	<b>Richard Neutze</b> (University of Gothenburg, Sweden) Time-resolved serial crystallography studies of conformational changes in cytochrome c oxidase
13:50 – 14:00	<b>Gabriel Ducrocq</b> (Chemistry – BMC, UU, Sweden) CryoSphere - single particle heterogenous reconstruction from cryoEM
14:00 – 14:10	<b>Sofia Badolato</b> (DBB, Stockholm University, Sweden) Gating principles of proton transport in dissected modules of respiratory Complex I

14:10 – 14:20	<b>Laura Muras</b> (ICM, UU, Sweden) Deciphering the mechanochemical determinants of nucleosome positioning
14:20 – 14:45	<b>Katja Petzold</b> (KI & UU, Sweden) Dancing RNA: How RNA structural dynamics is the key to function
14:45 – 15:15	Coffee Break and poster session (even numbers)
<i>Session 4:</i>	
15:15 – 15:40	<i>Chairs Moritz Senger &amp; Helena Danielson</i> <b>Geoff Holdgate</b> (ex-AstraZeneca, UK) The Value of Traditional Skills: Enzymology & Biophysics in Early Drug Discovery
15:40 – 15:50	<b>Guillaume Gaullier</b> (Chemistry - Ångström, UU, Sweden) Structures of active and inactive carboxysomal carbonic anhydrase
15:50 – 16:00	<b>Kushal Sengupta</b> (Max Planck Institute for Chemical Energy Conversion, Mülheim an der Ruhr, Germany) Understanding the Reaction Mechanism of Vanadium Nitrogenase: Insights from Spectroscopy and Biochemistry
16:00 – 16:25	<b>Philip Ash</b> (University of Leicester, UK) Electrifying the future of crystallography: combining techniques for mechanistic insight
16:25 – 16:30	<b>Sebastian Westenhoff</b> (Chemistry – BMC, UU, Sweden) Closing Remarks <i>End</i>

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#### QR code for abstract book

