



PROTEIN ENGINEERING AND DESIGN: FROM DEVELOPMENT TO IMPACT

Friday November 15, 2024

Hotel Radisson Blu Scandinavia, Copenhagen

Amager boulevard 70, 2300 Copenhagen

PROGRAM

08:30 – 09:00	Breakfast snack
09:00 – 09:05	Jakob Winther (Linderstrøm-Lang Centre) <i>Welcome</i>
SESSION 1	Chair: Kresten Lindorff-Larsen (Linderstrøm-Lang Centre)
09:05 – 09:40	Birte Höcker (Universität Bayreuth, Germany) <i>Protein Design 2.0</i>
09:40 – 9:55	Nancy Forde (Simon Fraser University, USA) <i>Repurposing non-motor proteins to make novel molecular motors</i>
09:55 – 10:10	Sören von Bülow (Linderstrøm-Lang Centre) <i>Prediction of phase separation propensities of disordered proteins from sequence</i>
10:10 – 10:40	COFFEE BREAK + POSTER SET-UP
SESSION 2	Chair: Karen Skriver (Linderstrøm-Lang Centre)
10:40 – 11:15	Andrea Thorn (Universität Hamburg, Germany) <i>Perspectives on the future of structural biology: Challenges and opportunities</i>
11:15 – 11:30	Fabian Hecker (Technical University Denmark) <i>Hyperpolarized water via UV-generated radicals to study the hydration of proteins</i>
11:30 – 11:45	Bram Mylemans (University of Bristol) <i>De novo design of minimal proteins for targeted protein degradation</i>



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11:45 – 12:30	LUNCH
12:30 – 13:15	POSTER SESSION
SESSION 3	Chair: Birthe B. Kragelund (Linderstrøm-Lang Centre)
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13:15 – 13:50	Daniel Otzen (Århus University, Denmark) <i>The Hunt for Cushion Crusher: finding and developing enzymes to recycle plastic</i>
13:50 – 14:25	Sarel Fleishmann (Weizmann Institute of Science, Israel) <i>Computational protein design for health and sustainability research</i>
14:25 – 15:40	POSTER VIEWING AND COFFEE
SESSION 4	Chair: Kaare Teilum (Linderstrøm-Lang Centre)
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15:40 – 16:15	Anastassia Vorobieva (Vrije Universiteit Brussel, Belgium) <i>De novo design of transmembrane beta-barrels with defined shapes and functions</i>
16:15 – 16:50	Dek Woolfson (University of Bristol, UK) <i>Combining rational and computational approaches to protein design</i>
16.50 – 17:00	Jakob Winther (Linderstrøm-Lang Centre) <i>Closing remarks</i>
17:00 – 18:00	Social event - Beer, Snacks & Posters
18.00 – 21.00	Symposium dinner in hotel restaurant