Linderstrøm-Lang Symposium 2021

Protein structure and function

Friday November 19, 2021

Linderstrøm-Lang Centre for Protein Science
Department of Biology, University of Copenhagen
Lundbeck Foundation Auditorium, Copenhagen Biocenter,
Ole Måløes Vej 5, 2200 Copenhagen N

08:30 – 09:00 Breakfast snack and poster set-up

09:00 – 09:05 **Jakob R. Winther** (Linderstrøm-Lang Centre)
Welcome

Session 1 Chair: Henriette Autzen (Linderstrøm-Lang Centre)

09:05 – 09:45 **Eva Kummer** (Novo Nordisk Foundation Center for Protein Research, University of Copenhagen)
Translation mechanisms in mammalian mitochondria

09:45 – 10:25 **Stephan Pless** (Department of Drug Design and Pharmacology, University of Copenhagen)
From protein semi-synthesis to cardiac arrhythmias – an attempt at translational protein science

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10:25 – 11: 10 Coffee Break + Poster viewing

Session 2 Chair: Karen Skriver (Linderstrøm-Lang Centre)

11:10 – 11:50 **Joe Rogers** (Department of Drug Design and Pharmacology, University of Copenhagen)
Mutational landscape of de novo cyclic peptides

12:00 – 13:30 **Lunch + Posters**

Session 3 Chair: Martin Willemoes (Linderstrøm-Lang Centre)

13:30 – 14:10 **Bengt Mannervik** (Department of Biochemistry and Biophysics, Stockholm University)
Novel functions of glutathione transferases via redesign of primary, secondary, and tertiary structures

14:10 – 14:50 **Petrine Wellendorph** (Department of Drug Design and Pharmacology, University of Copenhagen)
Novel small-molecule interaction with the CaMKIIa hub domain

14:50 – 15:20 Coffee Break + Poster viewing

Session 4 Chair: Kaare Teilum (Linderstrøm-Lang Centre)

15:20 – 16:00 **Alicia Lundby** (Department of Biomedical Sciences, University of Copenhagen)
Chasing the molecular substrate of the cardiac disorder ARVC by a data driven approach

16:00 – 16:40 **Helena Safavi** (Department of Biomedical Sciences, University of Copenhagen)
Weaponized peptide hormones from animal venoms

16:40 – 18:00 End of day - Beer, Snacks & Posters

The Danish scientist Kaj Ulrik Linderstrøm-Lang (1896-1959) was one of the most influential pioneers in the area of protein structure and function from the 1940's until his death in 1959. Among his lasting contributions to protein chemistry are the terms primary, secondary and tertiary structure. The Linderstrøm-Lang Centre for Protein Science at the University of Copenhagen seeks follow in the footsteps of the research pioneered by Linderstrøm-Lang investigating protein structure, function and dynamics on a number of levels.