

Program 2nd symposium

“Protein Misfolding in Human Proteinopathies”

By CIMED network Protein Assembly and Biological Drugs, Stockholm Proteostasis network and UU Amyloid network

Date: 13th of October 2025

Place: Birkeaulan, Karolinska Hospital, Campus South

Time	Presentation	Title
09:00 09:10	Welcome Petter Höglund, KI	Opening and welcome by Head of MedH, KI
Session 1. Chair: Sofie Nyström, LiU		
09:10 09:50	Keynote Lecture Lea Sistonen, Åbo Akademi University, Finland	Function of Heat Shock Factors in Cell Stress and Cancer
09:50 10:10	Melissa Milazzo, University of Milan, Italy	Biochemical and structural characterisation of toxic protein aggregates from cats affected by AA amyloidosis to design future treatments
10:10 10:30	Nicole G. Metzendorf, UU	Somatostatin / Neprilysin as a potential treatment strategy for Alzheimer's Disease – protein-based and gene therapy approaches
10:30 10:50	break	
Session 2. Chair: Samir El Andaloussi, KI		
10:50 11:10	Marie Arsenian-Henriksson, KI	Exploring coreMYC as a druggable switch in the c-MYC transactivation domain
11:10 11:30	Willem Molenkamp, KI	Where does secondary nucleation take place? Identifying the binding site of Bri2 BRICHOS on α -synuclein fibrils
11:30 11:50	Suman De, University of Sheffield, United Kingdom	Same intermediate aggregates form during amyloid- β fibrillation in vitro and in vivo
11:50 13:00	lunch	
Session 3. Chair: Maria Masucci, KI		
13:00 13:40	Keynote Lecture Harm Kampinga, University of Groningen, the Netherlands	J-domain proteins: potent chaperones to combat protein aggregation diseases
13:40 14:00	Ilaria Piazza, SU	Decoding proteostasis through proteome-wide biophysics
14:00 14:20	Koen Jurgens, SU	Mechanistic insights of how ataxin-3 binding is regulated by conformational changes in AAA+ ATPase VCP/p97
14:20 14:40	Laura Orellana, KI	Protein dynamics simulations and mutations – from computers to animal models
14:40 15:00	break	
Session 4. Chair: Maria Eriksdotter, KI		
15:00 15:40	Keynote Lecture Frederic Rousseau, University of Leuven, Belgium	Mapping the Structural Landscape and Interactome of Amyloids
15:40 16:00	Per Hammarström, LiU	Propagation of amyloid fibrils
16:00 16:40	Panel discussion. “The future of treatments in human proteinopathies” <i>Moderators:</i> Gunilla Westermark (UU), Nico Dantuma (KI), Jan Johansson (KI) <i>Panel:</i> Lea Sistonen (Åbo), Harm Kampinga (Groningen), Frederic Rousseau (Leuven), Per Hammarström (LiU)	
16:40 16:50	Conclusions. Axel Abelein (KI)	

Organization committee: Axel Abelein, Jan Johansson, Nico Dantuma, Gunilla Westermark

Online program and registration:

<https://news.ki.se/calendar/2nd-symposium-on-protein-misfolding-in-human-proteinopathies>



**Karolinska
Institutet**