

XXXVI WORKSHOP
**Molecular Mechanisms of Mitochondrial Membrane
Transport Regulation**

Venue: Seminar room HA05P51

Date: 24.02.2026

09:30 – 09:35	<i>Opening remarks</i>	Giorgia Roticiani
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Session 1 Chair: Giorgia Roticiani

09:35 – 10:05	<i>Dual Function of the mitochondrial carrier family: between substrate exchange and FA – induced proton transport</i>	Jürgen Kreiter
10:05 – 10:35	<i>How acidic is the lipid/water interface of artificial membranes? Approaches to local pH measurements</i>	Olga Jovanovic
10:35 – 10:55	<i>Impact of physicochemical properties on the membrane conductance induced by nitrogen-containing uncouplers</i>	Alina Pashkovskaya

10:55 – 11:05 Break

Session 2 Chair: Jürgen Kreiter

11:05 – 11:25	<i>Production of UCP1 in a cell-free system</i>	Sarah Bardakji
11:25 – 11:55	<i>All atom dynamic simulations of UCP1 Cryo-EM structure</i>	Sanja Vojvodic
11:55 – 12:25	<i>Molecular mechanisms of UCP1-mediated proton transport</i>	Giorgia Roticiani

12:25 – 13:00 Lunch break

Session 3 Chair: Sanja Vojvodic

13:00 – 13:30	<i>Engineering access to neuronal UCP function</i>	Piotr Piszczek
13:30 – 14:00	<i>Utilization of nanodiscs for the characterization of UCP2 and OGC</i>	Michael Hoffmann
14:00 – 14:30	<i>From cell penetrating peptides to disordered proteins in biological environments - molecular level insights</i>	Mario Vazdar

14:30 – 14:40 Break

Session 4 Chair: Olga Jovanovic

14:40 – 15:10	<i>Metabolic rescue of LETM1 patient fibroblasts</i>	Clara Abobocioae
15:10 – 15:40	<i>Lipid monolayers at biological interfaces - Tackling medicinal issues using non animal methods</i>	Katarina Vazdar

15:40 – 16:00 Break

INVITED TALK

16:00 – 17:00	<i>Optical control of membrane transport with photoswitchable lipids</i>	Peter Pohl Johannes Kepler University, Linz
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17:00 – 17:05	Closing remarks	Elena Pohl
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18:00 **Dinner**