

XXXV WORKSHOP

Updates on our research on mitochondrial carriers.

Venue: Marc Aurel Landgasthaus
2404 Petronell-Carnuntum – Austria
Conference Room

Date: 25.09.2025 –
26.09.2025

25.09.2025

14:00 – 14:10	Opening Remarks	Jürgen Kreiter
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Session 1: Electrophysiology of Membrane-Active Synthetic Molecules
Chair: Jürgen Kreiter

14:10 – 14:50	The Mechanisms of Mitochondrial Uncoupling Elucidated by 2,4-Dinitrophenole	Olga Jovanovic
14:50 – 15:30	Concentration Dependent Action of Ibuprofen on UCP1 and Lipid Bilayers	Giorgia Roticiiani

15:30 – 16:00 Coffee Break

Session 2: Physico-Chemical Investigations of DNP Derivatives
Chair: Michael Hoffmann

16:00 – 16:40	The Influence of DNP Derivatives on the pH Dependent ζ -Potential of Lipid Membranes	Eghosasere Egbon
16:40 – 17:20	The Influence of Membrane Composition on the Conductive Properties of UCP1 by DNP Derivatives	Alina Pashkovskaya

17:20 – 17:30 Break

17:30 – 18:10	Current Debate in BAT Research	Elena E. Pohl
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From 18:30 Dinner – Dining Room of Hotel
Extra Activities

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26.09.2025

From 6:30

Breakfast

Session 3: Novel Approaches to Study Mitochondrial Carriers.

Chair: Olga Jovanovic

9:00 – 9:40	Preliminary Results of Studies on the Aspartate/ Glutamate Carrier 1 in Model Systems.	Jürgen Kreiter
9:40 – 10:10	Challenges in the His-Tag Purification of UCP1 from Inclusion Bodies.	Deepa Subba

10:10 – 10:30

Coffee Break

Session 4: New Insights into Mitochondrial Membrane Proteins.

Chair: Giorgia Roticiiani

10:30 – 11:10	The 2-Oxoglutarate/Malate Carrier Protein in Mild Uncoupling and Beyond	Michael Hoffmann
11:10 – 11:50	LETM Domain Role in the LETM1-TMBIM5 Interaction	Clara Abobocioae

11:50 – 12:00	Closing Remarks	Elena E. Pohl
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From 13:00

Visit to the Roman Museum and City