

XXII WORKSHOP
Mitochondria and Metabolism –
from Fundamental Mechanisms to Human Disease

Friday, 28 September 2018
Seminar room of Physiology, Pathophysiology and Biophysics (HA05 P51)

	Session I: Mitochondria and Metabolism	
10:15-10:30	Trends in mitochondrial uncoupling research	Elena Pohl <i>Vetmeduni, Vienna</i>
10:30-11:10 (30 + 10)	The expression of uncoupling proteins coincides with specific cellular metabolism	Karolina Hilde <i>Vetmeduni, Vienna</i>
11:10-11:40 (20 + 10)	Characterization of lipid droplet-mitochondria contact sites	Felix Locker <i>Vetmeduni, Vienna</i>
11:40-12:00	Coffee break	
	Session II: Bilayer membranes and molecular mechanisms	
12:00-12:30 (20 + 10)	Lipid curvature modulates function of mitochondrial membrane proteins	Olga Jovanovic <i>Vetmeduni, Vienna</i>
12:30-13:00 (20 + 10)	Physico-chemical-, electrophysiological- and <i>in vitro</i> -analysis of structurally related inorganic polyoxometalate clusters	Samuel Toth <i>Vetmeduni, Vienna</i>
13:10-13:50	Lunch break	
	Session III: Methods to study mitochondrial carrier proteins	
13:50-14:30 (30 + 10)	Molecular dynamics simulations of UCP2 protein in membranes	Mario Vazdar <i>Rudjer Boskovic Institute, Zagreb</i>
14:30-15:00 (20 + 10)	A Mg-Green fluorescence based technique to measure ATP/ADP exchange of recombinant adenine nucleotide translocase in proteoliposomes	Jürgen Kreiter <i>Vetmeduni, Vienna</i>
15:00-15:30 (20 + 10)	Insights Into Cell's Energy Factories: Analyzing Mitochondrial Phenotypes With Biolog Mitoplasts™	Enrico Tatti <i>Biolog Inc., CA</i>
15:30-16:00	Coffee break	
16:00-17:00 (45 + 15)	Invited lecture Mitochondria and disease	Hans Mayr <i>Centre for the diagnosis of metabolic and mito- chondrial disorders, Salz- burg</i>
18:00	Get together	

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