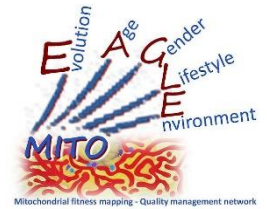


COST Action MitoEAGLE WG1

Electron supply to the Q-junction: assessment of mitochondrial respiration, H₂O₂ flux and the redox state of the Q-pool

Innsbruck, Austria
2018 November 19-22



Programme

Day 1 Monday, November 19

Workshop	
19:30	Welcome Dinner

Day 2 Tuesday, November 20

Workshop 2	
09:00-10:00	Peter R. Rich: Electrochemical properties of ubiquinone and monitoring of its redox state with the Q electrode
10:00-10:30	Timea Komlodi: Electron supply to the Q-junction in isolated mouse brain mitochondria. Latest results with cyclic voltammetry
10:30-11:00	<i>Coffee/Tea</i>
11:00-13:00	Demo-Experiment: Cyclic voltammetry and the Q2k. Various quinone derivatives
13:00-14:30	<i>Lunch</i>
14:30-15:30	Q-electrode: intact cells and mitochondrial preparations. Harmonization of SOPs. (Optional time for further experiments)
15:30-16:00	<i>Coffee/Tea</i>
16:00-17:00	Christos Chinopoulos: The mammalian mitochondrial Quinome
17:00-17:30	Erich Gnaiger: Comments on Bioenergetics 4.
	<i>Christkindlmarkt in Innsbruck</i>

Day 3 Wednesday, November 21

Workshop 3	
09:00-10:00	Tony Moore: AOX in plants and transgenic mice and the extent to which activity in both is regulated by changes in steady-state Q redox poise.
10:00-10:30	Maria Luisa Genova: Respiratory supercomplexes: evidence for separate though interconnected compartments of Coenzyme Q ₁₀ in mammalian mitochondria.
10:30-11:00	<i>Coffee / Tea</i>
11:00-12:00	Christos Chinopoulos: Endogenous quinones sustain NADH oxidation by a residual complex I activity during anoxia, supporting substrate-level phosphorylation
12:00-12:30	Discussion
12:30-14:00	<i>Lunch</i>
14:00-15:00	Alena Zikova: Introduction about the bioenergetics of Leishmania and Trypanosoma
15:30-16:00	Discussion
16:00-16:30	<i>Coffee/Tea</i>
16:30-18:00	Discussion: open questions and joint publications
19:30	<i>Dinner</i>

Day 4 Thursday, November 22

Workshop 4	
09:00-10:30	Joint publication: Cyclic voltammetry, Q-electrode, SOPs, further project discussions
10:30-11:00	<i>Coffee / Tea</i>