

37th conference

Bioenergetics 2024

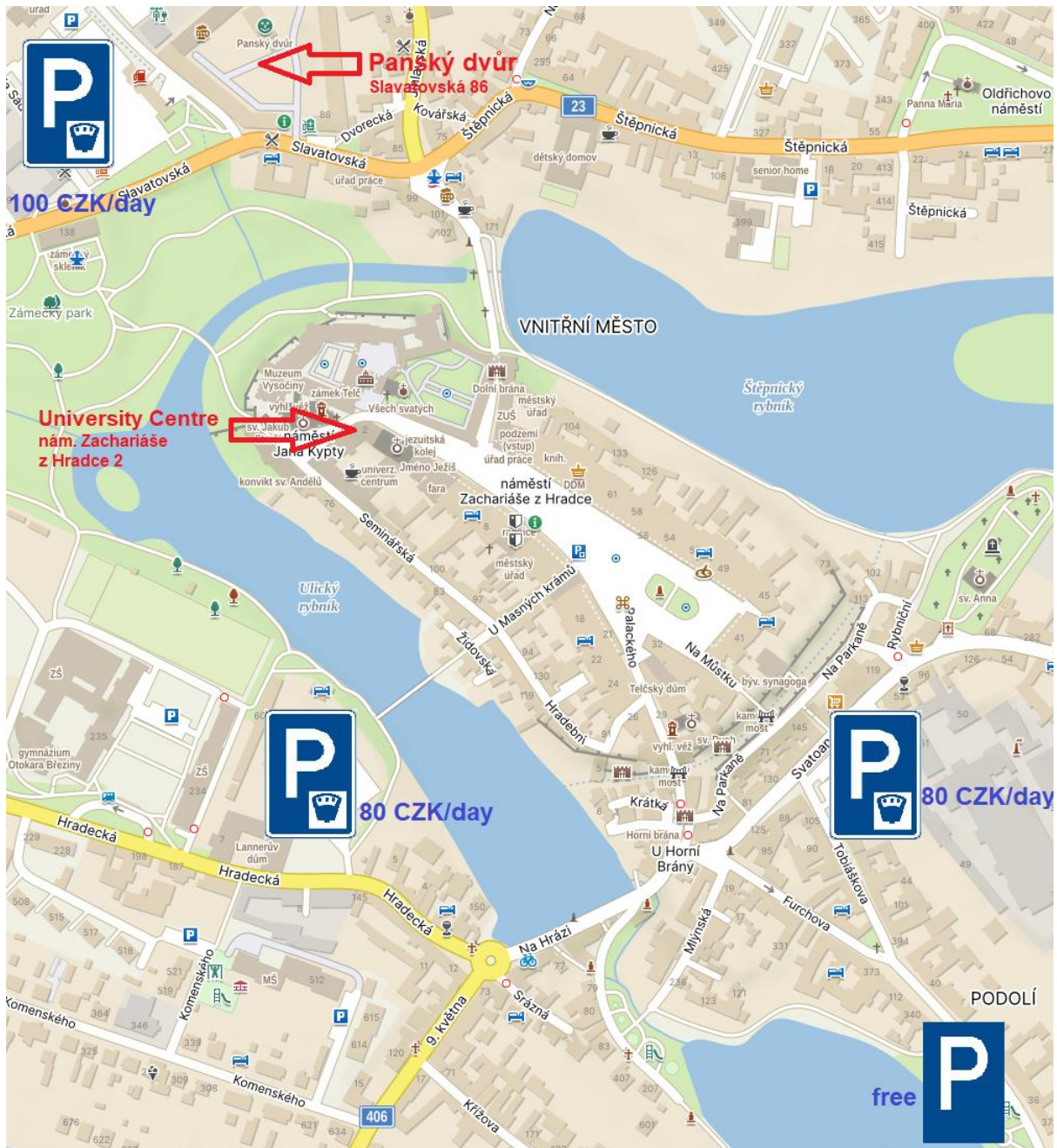
May 20-22, 2024

Telč



University Centre Telč

Nám. Zachariáše z Hradce 2, 58865 Telč



- **University Centre (UC):** Accommodation, scientific program
- **Panský dvůr (PD):** Dinner and social program

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**NÁRODNÍ
PLÁN OBNOVY**



Program

Monday, May 20

15:30-15:50 **Registration**

15:50-16:00 **Welcome and practical information**

16:00-17:20 **Session I**

Lecture hall P2

Chairs: Habiba Hayat, Jana Křížová

16:00-16:20 Zuzana Naháčka: Miro1 adaptor protein modulates horizontal transfer of mitochondria

16:20-16:40 Isaiah Sabinari: Modelling progressive NAFLD in C57BL/6J mice: one diet composition, two different weight gain and liver phenotypes

16:40-17:00 Kristina Bardová: Leptin surge and obesity

17:00-17:20 Sakina Poonawala: Indirect calorimetry and food intake

17:20-17:50 **Coffee break and poster session**

Dining room

17:50-19:10 **Session II**

Lecture hall P2

Chairs: Eva Doleželová, Soňa Koničková

17:50-18:10 Marko Mitrović: The impact of Obesity and Aging on the Metabolic Effects of Acute Exercise: Targeting FAHFA Metabolism in White Adipose Tissue

18:10-18:30 Anna Vávrová: The measurement of the cost of physical activity

18:30-18:50 Sara Stanić: Prolonged FGF21 treatment increases energy expenditure and induces weight loss in obese mice independently of UCP1 and adrenergic signalling

18:50-19:10 Eliška Haasová: Mouse-strain-specific imprinting effect of ambient temperature on muscle proteome

Since 19:30 **Dinner and social hour**

Panský dvůr

Tuesday, May 21

7:30-9:00 **Breakfast** **Dining room**

9:00-15:30 **Individual program**

15:30-16:50 **Session III** **Lecture hall P2**

Chairs: Michaela Kunzová, Marko Mitrović

15:30-15:50 Habiba Hayat: Role of Von Willebrand Domain-containing Protein 8 (Vwa8) in Brown fat thermogenesis

15:50-16:10 Michal Kněžů: Role of COX6B subunit in cytochrome c oxidase

16:10-16:30 Soňa Koníčková: Multiple paradigms of mitochondrial ATP synthase defects

16:30-16:50 Petr Pecina: Metabolic rearrangements in OXPHOS disorders

16:50-17:20 **Coffee break and poster session** **Dining room**

17:20-19:00 **Session IV** **Lecture hall P2**

Chairs: Michal Kněžů, Sara Stanić

17:20-17:40 Jana Křížová: First patient with primary coenzyme Q deficiency

17:40-18:00 Markéta Tesařová: Sulfur metabolism in patients with mitochondrial disease

18:00-18:20 Eva Doleželová: Nutritional stress as a signal for differentiation?

18:20-18:40 Michaela Kunzová: F_0F_1 ATP synthase in trypanosomes: when going back(wards) is an option

18:40-19:00 Hassan Hashimi: Cryptic mitofilin proteins bend the rules of how MICOS acts on mitochondria in trypanosomes

19:00-19:10 **Closing remarks**

Since 19:30 **Dinner and social hour** **Panský dvůr**

Wednesday, May 22

7:30-9:00 **Breakfast** **Dining room**

Before 9:00 **Check-out**