

37<sup>th</sup> conference

# Bioenergetics 2024

May 20-22, 2024

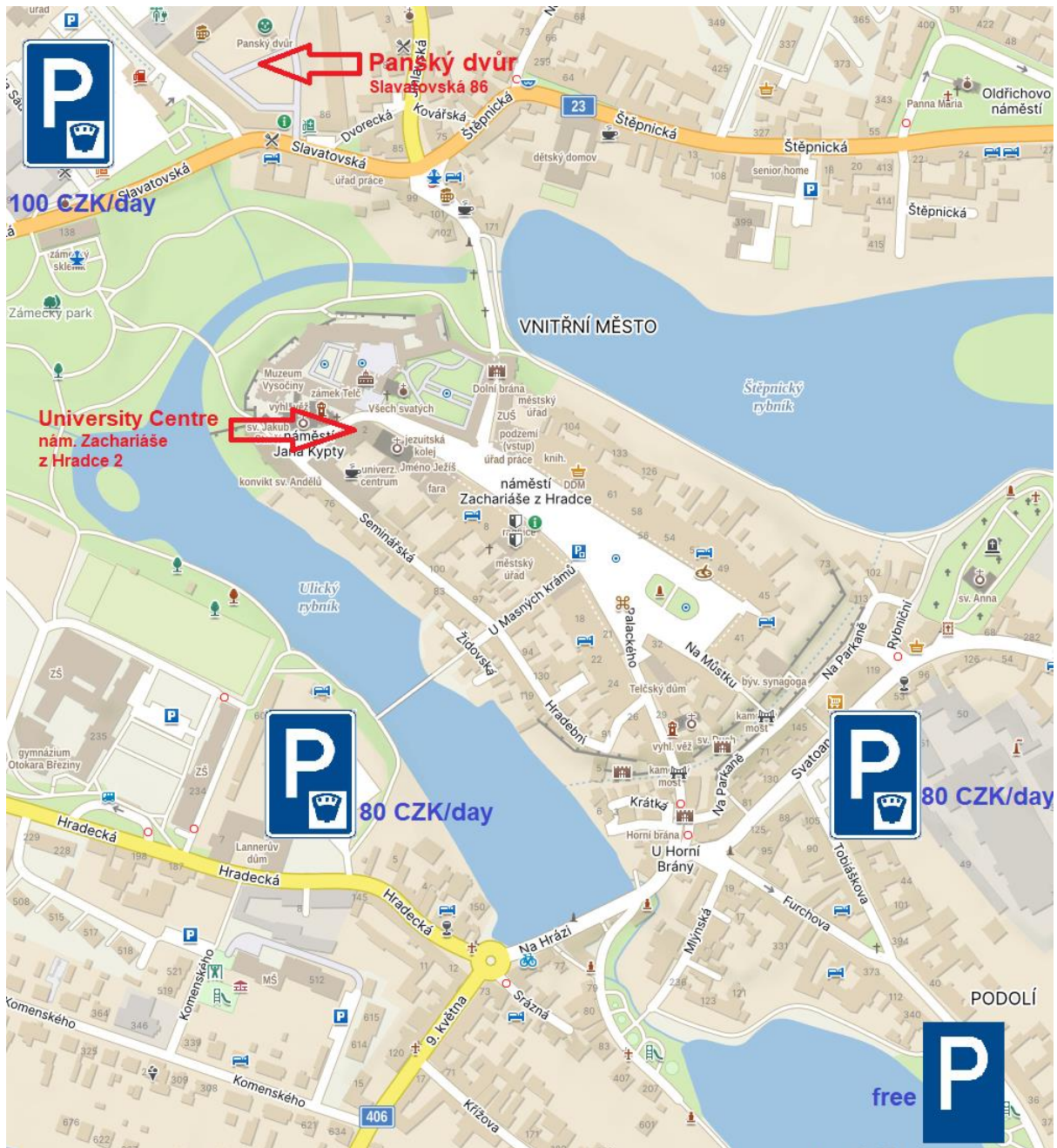
Telč



**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**