

## XXIII WORKSHOP

### New insights in the role and function of mitochondrial uncouplers

Thursday, 21 February 2019

Seminar room of Physiology, Pathophysiology and Biophysics (HA05 P51)

|                          |                                                                                                                       |                                                                 |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|
| 12:40-12:45              | Opening                                                                                                               | <b>Olga Jovanovic</b><br><i>Vetmeduni, Vienna</i>               |
|                          | <b>Session I:<br/>Uncoupling proteins in health and disease</b>                                                       |                                                                 |
| 12:45-13:15<br>(20 + 10) | UCP4 expression in murine temporal lobe epilepsy                                                                      | <b>Felix Locker</b><br><i>Vetmeduni, Vienna</i>                 |
| 13:15-13:45<br>(20 + 10) | Strategies for the advanced differentiation of mESC to mature cardiac tissue                                          | <b>Taraneh Beikbaghban</b><br><i>Vetmeduni, Vienna</i>          |
| 13:45-14:00              | Coffee break                                                                                                          |                                                                 |
|                          | <b>Session II:<br/>Molecular mechanisms of action of mitochondrial uncouplers</b>                                     |                                                                 |
| 14:00-14:30<br>(20 + 10) | Membrane lipids regulate uncoupling efficiency of 2,4 dinitrophenol                                                   | <b>Olga Jovanovic</b><br><i>Vetmeduni, Vienna</i>               |
| 14:30-15:00<br>(20 + 10) | The role of positively charged amino acids at the protein lipid interface of the adenine nucleotide translocase (ANT) | <b>Jürgen Kreiter</b><br><i>Vetmeduni, Vienna</i>               |
| 15:00-15:40<br>(30 + 10) | Molecular dynamics simulations of translocation of fatty acids along ANT1 protein                                     | <b>Mario Vazdar</b><br><i>Rudjer Boskovic Institute, Zagreb</i> |
| 15:40-16:00              | Coffee break                                                                                                          |                                                                 |
|                          | <b>Invited lecture</b>                                                                                                |                                                                 |
| 16:00-17:00<br>(45 + 15) | Novel routes to activate adipocyte thermogenesis                                                                      | <b>Dr. Tobias Fromme</b><br><i>Technical University Munich</i>  |
| 18:00                    | Get together                                                                                                          | <i>Restaurant "Dschunke"</i>                                    |

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