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DAN FIZIOLOGIJE 2024

Workshop: GPCR Structure & Function

**Velika dvorana/Slovenska akademija znanosti in umetnosti
Novi trg 3, Ljubljana, Slovenija
10. 12. 2024**

PROGRAM/PROGRAMME

10.12.2024

Velika dvorana, Slovenska akademija znanosti in umetnosti (SAZU)
Novi trg 3, Ljubljana

08:30-08:50 REGISTRACIJA/REGISTRATION (preddverje Velika dvorana)

08:50-09:00 OTVORITEV/OPENING Tatjana Avšič Županc
(podpredsednica SAZU/Vice-President SASA)

Chairs: Nina Vardjan & Robert Zorec, DAN FIZIOLOGIJE 2024

09:00-09:45 **Tomaž Bratkovič** (UL FFA): *Nobelova nagrada iz fiziologije ali medicine 2024: Odkritje mikro RNA: nov pogled na uravnavanje izražanja genov (predavanje v slovenščini/lecture in Slovenian)*

Chairs: Robert Zorec & Maja Potokar, Workshop GPCR Structure and Function

09:45-10:20 **Franz Hagn** (Muenchen, Germany): Plasticity of GPCRs and G-proteins probed by structural methods

10:20-10:55 **Xiangyu Liu** (Beijing, PR China): A Survival Pressure Selection Method for GPCR drug screening

10:55-11:30 **COFFEE/TEA** (Prešernova dvorana)

11:30-11:50 **Robert Zorec** (UL MF, Ljubljana, Slovenia): Introduction: Function of the orphan receptor *GPR27*

11:50-12:10 **Duško Lainšček & Maja Potokar** (National Institute of Chemistry & UL MF, Ljubljana, Slovenia): Properties of the *GPR27* knock-out mice

12:10-12:30 **Danaja Kuhanec** (UL MF, Ljubljana, Slovenia): Second messengers and *GPR27* activation by surrogate *GPR27* agonists

12:30-12:50 **Ena Sanjković** (UL MF, Ljubljana, Slovenia): Citrate measurements in single cells: regulation of the coupling between glycolysis and mitochondrial metabolism studied by surrogate agonists of *GPR27*

12:50-13:50 **RAZPRAVA/DISCUSSION**

13:50-16:00 **KOSILO & MREŽENJE/LUNCH & NETWORKING** (Prešernova dvorana)