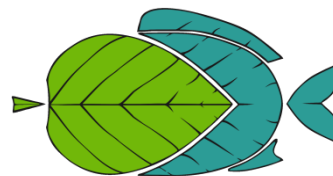


BIOSFERA – PROGRAM

21st September 2018

Biotechnical faculty – Department of biology



8.30 – Registracija / Registration

9.00 Uvodni nagovor / Introductory speech (prof. dr. Marko Kreft)

9.15 dr. Klemen Koselj
B1 Netopirji med propelerji in frizbiji: razgaljenje prilagoditvenih izzivov za eholoakcijo /
Bats versus propellers and frisbees: illuminating adaptive challenges for echolocation

9.45 **Jan Gojznikar**
Pregled filogeografije palearktičnih netopirjev rodu *Hypsugo* /
Phylogeography of Palaearctic *Hypsugos* – an overview

10.00 **Manca Velkavrh**
Pomen odmrlega drevja v habitatu belohrbtega detla (*Dendrocopos leucotos lilfordi*) v severovzhodni Sloveniji / Importance of Deadwood in White-Backed Woodpecker's (*Dendrocopos leucotos lilfordi*) Habitat in South-East Slovenia

10.15 **Teja Volk**
Analiza lokomocije pri izbranih vrstah slepih postranic (*Niphargus*) iz jamskih jezer in potokov /
Locomotory behaviour in selected *Niphargus* species from cave lakes and streams

10.30 **Filip Kūzmič**
Plevelna vegetacija Evrope / Weed vegetation of Europe

10.45 - 11.45 Predstavitve plakatov 1 in odmor za kavo /
Poster session 1 and coffee break

11.45 doc. dr. Nada Kraševc
B1 Kaj nam lahko proteini, ki tvorijo pore, povedo o prenosu genov pri glivah? /
What can pore-forming proteins tell about the gene transfer in fungi?

12.15 **Kajetana Bevc**
Stabilnost in učinkovitost transfekcije plazmidov brez gena za antibiotično rezistenco za izražanje mišjega, pasjega in humanega interlevkina 12 / Stability and transfection efficiency of antibiotic-free plasmids encoding mouse, canine and human interleukin 12

12.30 **Tajda Klobučar**
Vloga dinamičnega proteina LIN28A v mišjih pluripotentnih matičnih celicah / Uncovering the role of dynamic protein LIN28A in mouse pluripotent stem cells and embryos

12.45 **Matea Maruna**
Ionizirajoče sevanje vpliva na prisotnost MHC-1 in PD-L1 na plazmalemi treh mišjih tumorskih celičnih liniji in vitro / The effect of ionizing radiation on the expression of MHC-1 and PD-L1 on three murine tumor cell lines in vitro

13.00 **Metka Petrič**
Regulacija fagocitoze: Vloga NME1 proteina pri zagotavljanju energije dinaminu med odcepitvijo veziklov / Powering phagosome scission: does NME1 protein provide GTP to dynamin?

13.15 -14.30 Predstavitve plakatov 2 in odmor za kosilo /
Poster session 2 and lunch break

14.30 prof. dr. Mojca Kržan

B1 Prednost in omejitve metod za študij farmakoloških receptorjev /
The possibilities to study histamine and serotonin receptors

15.00 **Katarina Šoln**

Vpliv izvlečkov korenin invazivnega japonskega in češkega dresnika na oksidativni stres pri kalicah redkvice / Effect of invasive Japanese and Bohemian knotweed rhizome extracts on oxidative stress in radish seedlings

15.15 **Sara Tekavec**

Vloga lipoproteinov in signalne poti ERK pri zaščiti kardiomiocit pred stresom ER / The role of lipoproteins and ERK signalling pathway in protecting cardiomyocytes from the ER stress

15.30 **Patrik Prša**

Nedestruktivne metode za oceno zdravstvenega stanja in fiziološkega stresa pri močerilu / Non-destructive methods for assessing health and physiological stress in *Proteus anguinus*

15.45 **Tea Janko**

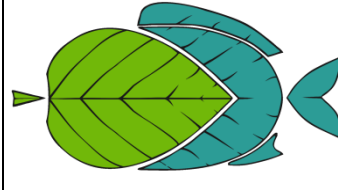
Atipičen celični metabolizem pri pljučni fibrozi / Abberant cellular metabolism in lung fibrosis

16.00 **Kaja Stradovnik**

Funkcionalna obogatitvena analiza HIF1A targetoma in vloga HIF1A znotraj rakavih tkiv / Functional enrichment analysis of the HIF1A targetome and HIF1A role in cancerous tissues

16.15 Zaključna pogostitev / Closing banquet

BIOSFERA
Predstavitve plakatov /
Poster presentations



10.45 -11.45 Predstavitve plakatov 1 / Poster session 1

- 1 **Matic Gabor** Disperzija in izbira mikrohabitata bukovega kozlička (*Morimus funereus*) z uporabo radio telemetrije /
Dispersal and microhabitat selection of *Morimus funereus* using radio tracking
- 2 **Jelena Hinić** Ecological status assessment of upper part of Kriva reka river watershed based on macroinvertebrates
- 3 **Jelena Hinić** Identification of the most important freshwater habitats for the conservation of threatened decapod crustacean, freshwater mussel and dragonfly species in Republic of Macedonia
- 4 **Rudi Kraševac** Šaleška jezera – nova priložnost: prvi rezultati /
Šalek lakes – a second chance: first results
- 5 **Tadeja Pretnar** Pojmovanje konfliktov med ljudmi in rjavim medvedom na območju razširjenosti rjavega medveda (*Ursus arctos*) /
Have a cross to bear: Determination of factors of conflict between brown bear (*Ursus arctos*) and humans in Slovenia
- 6 **Sara Debić
Doris Brkić** Pale-colored antennae: using social media to decipher insect functional morphology
- 7 **Julijana Arsovska** Application of osteological characters of postcranial skeleton in taxonomic distinction of the gudgeon species from R. Macedonia

13.15 – 14.30 Predstavitve plakatov 2 / Poster session 2

- 1 **Andraž Dolar** Vpliv tekstilnih mikrovlaknen na stopnjo prehranjevanja in energetske rezerve kopenskih rakov enakonožcev po 4-tedenski kronični izpostavitvi /
The effect of textile microplastic fibres on the feeding rate and energy reserves of terrestrial isopods after chronic 4-week exposure
- 2 **Brina Puntar** Vpliv polietilenske mikroplastike na vodne organizme /
Influence of polyethylene microplastics on freshwater organisms
- 3 **Iris Šalamon,
Andraž Dolar,
Larisa Janžič,
Miki Zarić** Vpliv nanodelcev paladija na razvoj kalic enokaličnic in dvokaličnic /
The effect of palladium nanoparticles on development of barley and sunflower

- 4 **Amela Kujović**
Jure Mravlje
Maja Hostnik Vpliv suše na privzem mineralov pri sončnici (*Helianthus annuus* L.) in ječmenu (*Hordeum vulgare* L.) /
Drought effects on mineral composition of sunflower (*Helianthus annuus* L.) and barley (*Hordeum vulgare* L.)
- 5 **Eva Erzar** Obnova urotelija mladih in starih miši po poškodbi s hitosanom /
Regeneration of bladder urothelium of young and old mice after chitosan-induced injury
- 6 **Patrik Prša** Uporaba vitalnega fluorescentnega barvila kot nedestruktiven pristop za raziskave razporeditve nevromastov pri repatih dvoživkah /
Vital Fluorescent Staining for Non – Destructive Studies of Neuromast Topography in Urodele Amphibians
- 7 **Erna Islamagić**
Damir Suljević
Muhamed Fočak Total protein level as an indicator of physiological processes activation in Roman snail (*Helix pomatia*) after hibernation period
- 8 **Eva Rajh** Histokemijska karakterizacija eksoskeletnega kutikularnega matriksa pri *Porcellio scaber* /
Histochemical characterization of exoskeletal cuticle matrix in *Porcellio scaber*
- 9 **Vida Štrancar** Karakterizacija metakaspaze modelnega alnega organizma *Chlamydomonas reinhardtii* /
Characterization of metacaspase from the model alga *Chlamydomonas reinhardtii*
- 10 **Ana Špilak** Celični odziv na toksin listeriolizin O in na njegovi mutanti /
Cell response to toxin listeriolysin O and its mutants