

USB CONFERENCE OF DOCTORAL STUDENTS
3–4 November 2021
BUILDING ZR, ROOM Z1 ON THE USB CAMPUS

PROGRAM - DAY 1 (3 NOVEMBER)

7:40 - 8:10	Registration (possible also during any coffee break)
8:10 - 8:30	Welcome address and organisation
8:30 - 10:00	Session 1 - Chair: Luděk Berec
Simona Šimková (FHSS)	Quality of life, lifestyle and body composition – mutual interaction
Rahi Deepali (FFPW)	Fish sperm respiration: species specificity and effect of environmental temperature
Josef Čížek (FAR)	Sovereigns credit in the period before the battle of White Mountain - specifics, research possibilities, results
Jana Konopická (FAG)	Entomopathogenic fungi as a biocontrol agent against the bulb mite, <i>Rhizoglyphus robini</i>
Shah Mujahid Ali (FFPW)	Sturgeon represent the specific evolutionary transition from the holoblastic to meroblastic cleavage pattern
Anna Maroušková (FEC)	Multidisciplinary considerations in biowaste treatment via Black Soldier Fly larvae
10:00 - 10:30	Coffee break
10:30 - 12:30	Session 2 - Chair: Jitka Vacková
Jakub Staněk (FED)	Psychology of programming: specific needs of professional gamers
Lukáš Mareš (FTH)	What are the constitutive properties of a good sport?
Gabriela Hlásková (FEC)	How and why to prevent exchange rate losses?
Šárka Hellerová (FAG)	Changes of heterogeneous cell line culture L929 after application of full-spectrum <i>Cannabis sativa</i> L. extracts
Veronika Jodlová (FAR)	Modern terminology as an interdisciplinary field with a focus on informatics
Tran Quang Hung (FFPW)	European perch (<i>Perca fluviatilis</i>) fed dietary insect meal (<i>Tenebrio molitor</i>): a multidisciplinary approach
Eva Fichtnerová (FHSS)	Integration of foreign research and academic workers in the Czech Republic
Tomáš Tichopád (FFPW)	Why do fish abandon sex? Transcriptomic case studies of <i>Cobitis</i> and <i>Poecilia</i>
12:30 - 13:30	Lunch break (lunch is not part of the conference)

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13:30 - 15:30

Nikola Holubová (FAG)
Jan Kuntzman (FAG)
Jiří Brázdil (FEC)
Patrik Klofáč (FED)
NA Kifayatullah (FFPW)

Kateřina Hodková (FAR)
Tukur Hammed
Abolade (FSC)
Murindangabo Yves
Theoneste (FAG)

Session 3 - Chair: Milan Předota

Cryptosporidium spp. in birds
The effect of landcover on local climate
Natural speech as a human-machine interface
Inquiry-based learning of robotics
Effects of temperature and limb amputation level on limb regeneration parameters in marbled crayfish
Relationships between legal concepts in Czech and French law
Unboxing the black box of cell fate specification in mammalian preimplantation Embryo
The importance of organic matter in the soil

15:30 - 16:00

Coffee break

16:00 - 18:00

Waghmare Swapnil
Gorakh (FFPW)
Hana Donéová (FTH)

Lucie Walterová (FAG)
Roman Buchtele (FEC)

Kateřina Fantová (FAR)

Ivana Mašková (FED)
Kirill Lonhus (FSC)

Session 4 - Chair: Michal Opatrný

Fish oocyte ageing and histone modifications
Occurrence of rapprochement with social worker and his client from the perspective of social workers working with the homeless and seniors
Armillaria mycoviruses as potential bioagens
Graduates with environmental background and their decision related to their future profession
The street nomenclature as the demonstration of the loyalty of the Pilsen municipality at the turn of the 19th and 20th century
Who is really an excellent university student?
How to quantify behaviour?

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PROGRAM - DAY 2 (4 NOVEMBER)

9:00 - 10:00

Roy Koushik (FFPW)

Aleš Chrdle (FHSS)

Matěj Novák (FED)

Anna Mrázová (FSC)

Session 5 - Chair: Luděk Berec

Applications of fish nutrition: its synergy with EU's circular blue bioeconomy vision 2030

Role of the nurse during the covid pandemic as seen by the doctors

Tasks from the Biology Olympiad - a potential source of teaching tasks for biology teaching

Might birds green extensive agriculture by replacing toxic pesticides?

10:00 - 10:30

Coffee break

10:30 - 12:15

Dinara

Bekkozhayeva (FFPW)

Helena Dvořáková (FAR)

Hoang Trong Nghia (FAG)

Vojtěch Blažek (FED)

Bachhar Anushree (FFPW)

Nermeen Ashraf (FSC)

Kateřina Habrdová (FED)

Session 6 - Chair: TBA

Image-based individual fish identification

Davidson's concept of irrationality and its use in the theory of interpretation

The quality of wheat and legumes mixtures in organic farming

Biometric testing in the study of cognitive load in the ArcGIS StoryMaps

Multi-omics data integration for better understanding of complex biological processes

Lanthanides in Microalgae, soils and plant - current knowledge at biochemical and biophysical level

How do we cope with DLD – is it just a matter of parents?

12:15 - 13:30

Lunch break (lunch is not part of the conference)

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13:30 - 15:30

Jitka Fialová (FHSS)
Jitka Prediger (FAG)

Eva Jarošová (FAG)
Nayak Rigolin (FFPW)

Jiří Blažek (FED)

Kumar Bankatesh (FSC)

Nikola Třešňáková (FFPW)
Tereza Majerovičová (FAR)

15:30 - 16:00

16:00 - 17:30

Anežka Santolíková (FSC)
Martin Hubálek (FFPW)

Markéta Tahadlová (FSC)
Lenka Tůmová (FAG)
Jana Ježková (FAG)
Xiao Xue (FSC)

Session 7 - Chair: Milan Jílek

Gender equality paradox-es

Diversity and biology of *Cryptosporidium* spp. in ground and tree squirrels

Comparison of antioxidant activity from selected oil seed cakes

Enhancement of gamete production of zebrafish (*Danio rerio*) in big body sized giant danio (*Devario aequipinnatus*)

by germ cell transplantation

Influence of dynamic geometry software on finding solutions of geometric problems

The impact and mechanism of queuosine tRNA modification on differentiation and virulence of *Leishmania mexicana*

Pesticides in aquatic ecosystems

Ethnoarchaeology of southeast Senegalese farmers. Abandoned and living villages in the area of Niokolo Koba National Park

Coffee break

Session 8 - Chair: Jan Bárta

Genomic studies of neglected Cnidarians with parasitic lifestyle

Simple field storage of fish samples for measurement of DNA content by flow cytometry

Underground networks: How do plants surf on the internet?

Seeking for molecular markers of *Cryptosporidium* virulence

Cryptosporidium and cryptosporidiosis of synanthropic rodents

Ficus defences against herbivores along drought gradient

USB CONFERENCE OF DOCTORAL STUDENTS
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THE KAMPA STUDENTS' CLUB

PROGRAM - DAY 2 (NOVEMBER 4)

18:30 - 19:15

Miroslav Strob (FAG)
Petra Hořejšová (FED)
Jan Hynek (FED)
Tomáš Sosna (FED)

Petr Mráz (FAG)

Jakub Geyer (FSC)
Martina Lietavcová (FED)

**Poster session with drinks at Kampa students' club
- Chairman: Luděk Berec**

Application of artificial intelligence in the growing of crops
Professional development of students of pedagogy
Teacher misbehaviour in primary and secondary schools
Development of creativity of primary school pupils in technical education classes through 3D modelling
Effect of selected essential oils on acute mortality of Varroa destructor
Modelling tasks – strategies for complex solutions
Morphological and phonological awareness as predictors of reading literacy

19:15 - 19:30

Announcing the authors of the best presentations and the best poster at the Kampa students' club

19:30 - 23:00

Social evening at the Kampa students' club