

Detailed schedule

10th Polish Evolutionary Conference, 11-13.09.2024 Białystok

| | |
|-----------------------------------|---|
| WEDNESDAY SEPTEMBER 11 | afternoon session |
| 12:00-18:00 | Registration |
| 14:00-14:30 | Opening ceremony |
| 14:30-15:30 Suvi Ruuskanen | Invisible friends: the role of the gut microbiome in adapting to environmental challenges |
| 15:30-16:00 | Coffee break |
| 16:00-16:20 Maciej Kamiński | What shapes microbiome diversity in paragon urban exploiters? |
| 16:20-16:40 Julita Sadowska | Significance of microbially-liberated urea-nitrogen in pregnant and lactating arctic ground squirrels |
| 16:40-17:00 Veronika Andriienko | Multiple replacements shape nested symbiosis in Aphrodes leafhoppers |
| 17:00-17:20 Monika Ostap-Chęć | No impact of microsporidian infection on honey bee carbohydrate consumption |
| 17:20-17:40 Szymon Kaczanowski | Testing the Mitochondrial Prey Hypothesis of Apoptosis Origin |
| 17:40-18:00 Nikhil Modak | Mitochondrial introgression affects routine metabolic rates in tadpoles |
| 18:00-20:00 | Welcome reception |

| | |
|----------------------------------|---|
| THURSDAY SEPTEMBER 12 | morning session |
| 08:00-18:00 | Registration |
| 09:00-10:00 Marta Szulkin | Urban ecology & evolution: the new frontiers |
| 10:00-10:30 | Coffee break |
| 10:30-10:50 Magdalena Fus | Cityscape symbiosis: how urbanisation shapes the gut microbiota of blue tit nestlings |
| 10:50-11:10 Ignacy Stadnicki | Nestling period variation in the city mosaic: chicks reared in the urban environment take longer to fledge |
| 11:10-11:30 Zuzanna Jagiełło | The plastic homes of hermit crabs in the Anthropocene |
| 11:30-11:50 Guillaume Vos | Urbanization and latitude shape the phenotypic and physiological response to warming in the damselfly <i>Ischnura elegans</i> |
| 11:50-12:10 Marcin Żebrowski | Artificial light at night bans Chaoborus from vital epilimnetic waters |
| 12:10-12:30 Beata Bramorska | Socio-economic variables improve accuracy and change spatial predictions in species distribution models |
| 12:30-14:00 | Lunch break |

| THURSDAY SEPTEMBER 12 | | afternoon session |
|------------------------------|------------------------|---|
| 14:00-15:00 | Nicky Wybouw | How <i>Wolbachia</i> symbionts spread within hybridizing host species |
| 15:00-15:30 | | <i>Coffee break</i> |
| 15:30-15:50 | Marta Tischer | Distribution, diversity, and roles of endosymbiotic <i>Wolbachia</i> infections across worldwide planthopper hosts |
| 15:50-16:10 | Anastasiia Mykhailenko | Complex genomic landscape of inversion polymorphism in Europe's most destructive forest pest |
| 16:10-16:30 | Julia Morales-García | Selection inference in the complex inversion polymorphism landscape of spruce bark beetle (<i>Ips typographus</i>) |
| 16:30-16:50 | Mateusz Konczal | Genomic basis of adaptation to oscillating environment in a common crop pest |
| 16:50-17:10 | Rocco F Notarnicola | The Evolutionary Impact of Complement Factor H on Bank Vole Populations Across Poland |
| 17:10-17:30 | Mirosław Ratkiewicz | “It's not how you start that's important, but how well you finish” – population genetics of reintroduced Eurasian lynx in Piska forest, NE Poland |
| 17:30-17:50 | | <i>one-minute presentation of posters</i> |
| 17:50-19:00 | | <i>Poster session</i> |

| | |
|---------------------------------|---|
| FRIDAY SEPTEMBER 13 | morning session |
| 08:00-17:00 | Registration |
| 09:00-10:00 Andreas Nord | Keeping cool in a warming world: understanding climate-changes effects through studies of avian development |
| 10:00-10:30 | Coffee break |
| 10:30-10:50 Neelam Porwal | Fighting through the heat: How sexual selection influences population demography under increasing intensity of heat shocks |
| 10:50-11:10 Jakub Płachta | Old and cold: Age deepens rest-phase hypothermia of zebra finches (<i>Taeniopygia guttata</i>) in challenging conditions |
| 11:10-11:30 Paweł Brzęk | Body temperature during gestation in females of laboratory mice with different levels of basal metabolic rate |
| 11:30-11:50 Karolina Iwińska | Immunological rather than oxidative status prior to reproduction affects female dormice reproductive output |
| 11:50-12:10 Katarzyna Krawczyk | On the molecular evolution of feather grasses (<i>Stipa</i> L., <i>Stipeae</i> ; <i>Poaceae</i>) - why defining a good genetic marker for this group is such a challenge? |
| 12:10-12:30 Ludwik Gąsiorowski | Regeneration in the absence of canonical neoblasts in an early branching flatworm |
| 12:30-14:00 | Lunch break |

FRIDAY SEPTEMBER 13**afternoon session**

| | | |
|-------------|-------------------|--|
| 14:00-14:20 | Piotr Minias | Nest site selection in urban blackbirds – heritability vs. Plasticity |
| 14:20-14:40 | Michał Budka | Species-specific strategies for acoustic space competition-avoidance in birds |
| 14:40-15:00 | Paweł Mirski | Movement of avian predators in farmland points to biodiversity hotspots |
| 15:00-15:20 | Gokul Bhaskaran | Investigating shared mechanisms of predatory and intermale aggression in bank voles |
| 15:20-15:40 | Tomasz Włodarczyk | Coevolutionary Interplay Between Slave-Making Ant Species and Its Host |
| 15:40-16:00 | Marcin Sielezniew | Should I stay or should I go? Selection against and for dispersal in a metapopulation of a critically endangered butterfly |

16:00-17:30***Closing ceremony***

POSTERS

- P01 Paulina Szafrńska Positive consequences of roost sharing among male bats during spermatogenesis
- P02 Gulsamal Askarova Effect of temperature fluctuations on life history traits and strategies of phytophagous arthropods - a systematic review
- P03 Andrzej Gębczynski Size of body extremities is correlated with basal metabolism in laboratory mice
- P04 Piotr Roszkowski The effect of lactation on capacity for non-shivering thermogenesis in laboratory mice with different levels of basal metabolic rate
- P05 Sylwia Buczyńska Immunosenescence in laboratory mice divergently selected for basal metabolic rate
- P06 Edyta Sadowska The effects of short-term consumption of a Western diet on aerobic exercise performance in animals with inherently distinct metabolic rates
- P07 Elżbieta Bonda-Ostaszewska The effects of photoperiod and ambient temperature on the size of cells and lipid peroxidation in tissues of a bank vole (*Myodes glareolus*)
- P08 Krzysztof Miler Non-linear effects of dietary alcohol on life parameters in honey bees
- P09 Daniel Bajorek The lifespan of honey bees (*Apis mellifera*) exposed to occasional and constant dietary ethanol
- P10 Katarzyna Jarosińska Combined effects of polystyrene nanoplastics and enrofloxacin on the life histories and gut microbiota of *Daphnia magna*
- P11 Neha Pandey Strong sexual selection reduces population size and limits population recovery after heat stress in soil mites
- P12 Justyna Borowska Evolution of FOXP2 and ZNF362 genes in Cervidae
- P13 Joanna Jakóbiak Mitonuclear coevolution and hybridization in newt species
- P14 Ilona Kulus Genetic analysis of progeny from crosses between downy birch (*Betula pubescens* Ehrh.) and shrub birch (*Betula humilis* Schrk.)
- P15 Katarzyna Jadwiszczak Climate- and soil type-dependent occurrence of the *Juniperus sabina* varieties in Europe
- P16 Amelia Chyb Show me who you are... Expression of avian sexual ornament along the urbanization gradient

| | |
|-------------------------|---|
| P17 Katarzyna Rutkowska | Differentiating effects of artificial light at night on the spatial composition of zooplankton communities |
| P18 Dawid Żegota | Urban habitat impact on skin microbiome of common toad <i>Bufo bufo</i> |
| P19 Małgorzata Lipowska | Born or raised predators? Cross-fostering experiment on bank vole selected for predatory behaviour |
| P20 Joanna Rutkowska | Perinatal malnutrition impairs appetitive > aversive learning |
| P21 Monika Sysiak | Can elevated temperature enhance task performance by improving cognitive abilities in common rudd (<i>Scardinius erythrophthalmus</i>)? |
| P22 Michał Gładalski | Great tits, aromatic plants & nest ectoparasite abundance |
| P23 Adam Zbyryt | Landscape of fear on a pasture land - is White Stork a scarebird for grasshoppers? |
| P24 Daniel Stec | Distribution of tardigrade cryptobiotic abilities across a fine-scale habitat gradient |
| P25 Helena Szewczyk | Diversity of coloration patterns in turtles (order Testudines) |