

Programme

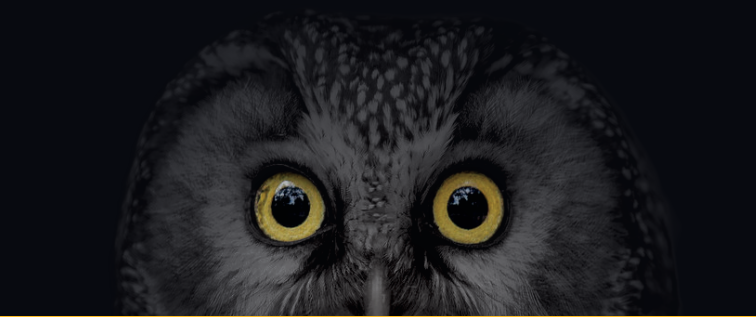
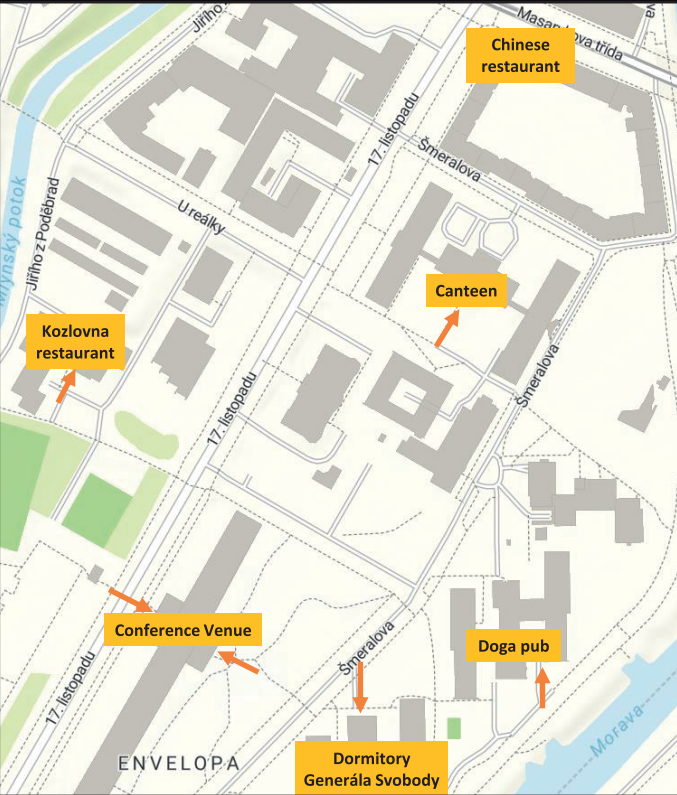
# X International Hole-Nesting Birds Conference

Olomouc, Czechia  
Sept 10-12, 2025



| WED 10 SEPT |  |
|-------------|--|
| 8:00        | Registration, Tea and Coffee   |
| 9:00        | Peter Adamík   Welcome   |
| 9:15        | Keith Bowers   Cavity-nesting birds and the evolution of life histories in the New World   1   |
| 9:45        | Julene Gómez-Vicioso   Divergent ageing patterns in reproductive traits between sexes in the pied flycatcher ( <i>Ficedula hypoleuca</i> )   1.1 |
| 9:57        | Daniel Rodríguez-Solís   Effects of mate retention and divorce on reproductive success in a short-lived migratory passerine   1.2                |
| 10:09       | Adéla Kelnerová   Nest-site selection and dispersal in the collared flycatcher ( <i>Ficedula albicollis</i> )   1.3                              |
| 10:21       | Adelaide Abraham   Divorced, migrated, died: social responses to partner loss in wild great tits ( <i>Parus major</i> )   1.4                    |
| 10:33       | Ben Sheldon   Where have I come from? And how did I get here? Inference about immigration from high density genetic markers in great tits   1.5  |
| 10:45       | Berber Maarsingh   Do as your neighbours do? Breeding synchronisation in a colony living passerine   1.6   |
| 10:57       | Tea and coffee   |
| 11:20       | Jesús Martínez-Padilla   Sex-specific effects of kinship on fitness in a non-cooperative system   2.1  |
| 11:32       | Joseph Burant   Out of the (nest)box: shining new light on old data after a century of monitoring hole-nesting birds in the Netherlands   2.2    |
| 11:44       | Paweł Podkowa   Light-dependent plasticity of gape coloration in great tit ( <i>Parus major</i> ) nestlings   2.3                                |
| 11:56       | Antonii Bakai   Hybridization as a neglected factor in syrian and great spotted woodpecker studies and monitoring   2.4                          |
| 12:08       | Mark Eddowes   Searching for improved coherence between passerine lay date temperature plasticity estimates   2.5                                |
| 12:20       | Miloš Krist   Determining the optimal sampling interval for reliable estimates of nestling provisioning   2.6                                    |

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|-------|--|
| 12:32 | Jacob Kamminga   NestMoni: automated high-resolution camera system for detailed monitoring of bird nestbox activities and ecological insights   2.7            |
| 12:50 | Lunch  |
| 14:00 | Barbara Tomotani   Timekeeping in hole-nesting birds under extreme light conditions   3  |
| 14:30 | Charli Davies   Persistent effects of early-life environmental conditions on adult thermal physiology in a wild passerine   3.1                                |
| 14:42 | David Diez-Méndez   Gut colonization in avian early life: nest microbial environment shapes offspring microbial communities.   3.2                             |
| 14:54 | Jan-Åke Nilsson   Circulating levels of glucose in the blood as a factor influencing work rate in marsh tits   3.3   |
| 15:06 | Ana Cláudia Norte   Physiology and breeding success of great tits ( <i>Parus major</i> ) in southern Europe two decades apart: the role of second broods   3.4 |
| 15:18 | Szymon Drobnik   Do in ovo steroid hormones affect the expression of genetic variance in a wild hole-nesting bird?   3.5                                       |
| 15:30 | Tea and coffee   |
| 16:00 | Elmira Ghadamnan   Blood parasites in collared flycatchers ( <i>Ficedula albicollis</i> ): diversity, persistence, and temporal dynamics of infections   4.1   |
| 16:12 | Rin Pell   Experimental evidence for context-dependent benefits of brood parasites for host fitness   4.2  |
| 16:24 | Markéta Nováková   A novel species of soft tick (Argasidae: <i>Argas</i> ) associated with passerine birds in Europe   4.3                                     |
| 16:36 | Erik Matthysen   Seasonal and individual variation in <i>Borrelia garinii</i> infections in a population of great tits   4.4                                   |
| 16:48 | Peter Adamík   Cavity-nesting birds and dormice: an overview of half a century of interactions from a nest box population in eastern Czechia   4.5             |
| 17:00 | Markéta Zárybnická   Functional response of the cavity-nesting boreal owl ( <i>Aegolius funereus</i> ) revealed using smart nest boxes   4.6                   |



Student presentation codes are highlighted in red. All other attendees are invited to vote for the best student poster and oral presentation.

If you have any questions, please speak to someone wearing a conference T-shirt or an orange lanyard



Palacký University  
Olomouc

WED 10 SEPT

17:15 Tea and coffee

- 17:30 POSTER SESSION // until 18:30
- Amélie Fargevieille | SPI-Birds: increasing open, reliable and transparent analyses based on avian long-term monitoring in the wild | p.1

Leo Ballering | Citizen’s science pays off: 200,000 clutches, 1.4 million eggs! | p.2

Malcolm Burgess | Nestbox modifications to protect nests from pine martin predation: do modifications reduce use by hole-nesting birds? | p.3

Petra Nečasová | Effects of nest box design on the reproduction of cavity-nesting songbirds | p.4

Evžen Tošenovský | Wooden house or concrete block? The tits have spoken! | p.5

Ivett Pipoly | User-friendly non-invasive method for quantifying thermal properties of avian broods from field-collected thermal images | p.6

Eliška Šlapanská | Non-invasive method for cavity sampling: preliminary results | p.7

Ivan Mikuláš | New challenges in monitoring forest owl species in the Czech Republic | p.8

Jesús Martínez-Padilla | Environmental conditions shape the structure and calling behaviour of boreal owls (*Aegolius funereus*) in the Spanish Pyrenees | p.9

Marcel Eens | The great tit (*Parus major*) as a model species to experimentally study the effects of light pollution (ALAN) | p.10

Michał Gładalski | Urban blue tits and cigarette butts - accidental litter or adaptive behaviour: preliminary findings | p.11

Natalie Salem | The effect of heavy metal contamination on hematological and condition parameters in great tit (*Parus major*) nestlings | p.12

Tereza Krajzingrová | Does the heavy metal contamination affect gut microbiota in wild great tits? | p.13

- Xiaomei Chi | Does behavioural innovation promote population expansion in great tits: behavioural and epigenetic mechanisms | p.14

Beau Strijker | Slow explorers at the range edge: behavioural differences between recent and established great tit (*Parus major*) populations in northern Europe | p.15

Anna Dubiec | Empty nest incubation in the great tit: long-term and intra-individual patterns | p.16

Lucie Michel | Determinants and consequences of divorce in blue tits: a multi-population study across five decades | p.17

David López-Idiáquez | Long-term decrease in body mass: insights from a wild great tit population | p.18

David Canal | Phenological plasticity and reproductive responses under changing climate: a long-term study in pied flycatchers | p.19

Attila Králl | Landscape and farming system effects on nestling condition of starlings in Finland | p.20

Valerie Zdražilová | Occurrence and characteristics of natural cavities in an old oak coppice forest | p.21

Zdeněk Tyller | Occupancy of black woodpecker cavities in time | p.22

Peter Samaš | Common cuckoos overcome cavity-nesting host defences with alternative egg-deposition strategies | p.23
- THU 11 SEPT
- 8:30 Tea and coffee

9:00 Marta Maziarz | Why do we need studies of hole-nesting birds from a primeval forest? | 5

9:30 Dorota Czeszczewik | How do cavity nesters respond to climate change under primeval conditions? | 5.1

9:42 Guido Marcoz | Decades of silence: when does forest management abandonment begin to benefit cavity-nesting birds? Evidence from north-eastern Italy and Croatia | 5.2

- 9:54 Zuzana Kučerová | Saving the little owl in the Czech Republic: research meets conservation | 5.3

10:06 Evžen Tošenovský | Are nest boxes for common swifts a good solution or a bad idea in urban bird conservation? | 5.4

10:18 Zhongqiu Li | Courtship flower-giving and “school district housing” competition: the urban breeding diary of two common starlings in Nanjing, China | 5.5

10:30 Gábor Seress | Radio-tracking urban breeding birds: the importance of native vegetation | 5.6

10:42 Bálint Kovács | Demographic drivers of population growth in urban great tits (*Parus major*): a life table response approach | 5.7

10:54 Tea and coffee

11:20 Nóra Ágh | We are brave when our dopamine receptors let us – variation in DRD4 methylation and its association with behavioural tolerance for human disturbance in wild great tits | 6.1

11:32 Peter Korsten | Individual differences in territorial aggressiveness in blue tits: are they important in between-species competition over nest holes? | 6.2

11:44 Alena Fišerová | The lone drummer of Scotland: great spotted woodpecker responses to foreign rivals | 6.3

11:56 Martin Černý | Juvenile aggression during feeding in the great spotted woodpecker (*Dendrocopos major*): a potential mechanism of parent-offspring conflict | 6.4

12:08 Miriam Kuspel | Testing female song preference in wild birds | 6.5

12:20 Diego Gil | Floater prospecting and settlement strategies in the spotless starling | 6.6

12:32 Malcolm Burgess | Extreme seasonal contrast between barrier crossing behaviour by migratory pied flycatchers | 6.7

12:50 Lunch

14:00 Alex Sutton | Early is relative: fitness consequences of the absolute and relative timing of reproduction in three species of hole-nesting birds | 7.1

- 14:12 Anna Dubiec | Temporal dynamics of double brooding in the great tit: nestling period duration and inter-brood interval | 7.2

14:24 Celestine Adelmant | Phenological responses to climate are driven by direct and indirect effects of temperature in passerine birds | 7.3

14:36 Aina Garcia-Raventós | Adaptive responses linking bird and large-scale tree phenology of forest species | 7.4

14:48 David López-Idiáquez | Phenological thermal tracking across space and species | 7.5

15:00 Tea and coffee

15:25 Louis Bliard | Ecological harshness mediates reproductive trade-offs in a great tit population | 8.1

15:37 Alexandra Cones | Competition intensity and competitive ability realized at different spatio-temporal scales | 8.2

15:49 Hannah Scharf | Causes of offspring trait variation within and between broods in blue and great tits | 8.3

16:01 Charlotte Bendell | Microclimate heterogeneity affects reproductive performance in hole-nesting birds | 8.4

16:13 Jørgen Søraker | On the scale of selection: spatiotemporal synchrony in selection on reproductive traits in great tits and blue tits | 8.5

16:25 Kees van Oers | Genetic and epigenetic population differences: two sides of the same coin? | 8.6

16:40 Free time

17:45 Closing ceremony

18:00 Conference banquet

- FRI 12 SEPT
- 8:45 Coach to field sites

13:00 Lunch in Velká Bystřice

16:45 Arrive back in Olomouc