



CHARLES UNIVERSITY, FACULTY OF SCIENCE
DEPARTMENT OF ECOLOGY

Viničná 7, 128 44 Praha 2
<http://www.natur.cuni.cz/biologie/ekologie>

SEMINAR PROGRAMME winter term 2019/2020

Seminars take place every Tuesday from 15.00 to 16.30, in the B2P seminar room (Viničná 7, 2nd floor, attic) if not specified. Joint seminars of more departments in Velká zoologická lecture room (Viničná 7, 2nd floor), Krajinova lecture room (Benátská 2, 2nd floor) or Entomologie lecture room (Viničná 7, 1st floor, B121). If not specified, the primary language of all seminars is English.

- 1 October** **Ken Thompson** (*University of Sheffield, UK*) Darwin's ecology (with Dept. of Botany, Benátská 2, Krajinova lecture room)
- 8 October** **Klaus Schwenk** (*University of Koblenz-Landau*) Molecular ecology of groundwater organisms: from cryptic species to drinking water (with Dept. of Zoology, Velká zoologická lecture room)
- 15 October** **Angelica Feurdean** (*Senckenberg Biodiversity and Climate Research Centre, Germany*) Determining ecosystem resilience to disturbance by fire using palaeoecological records (with Dept. of Botany, Benátská 2, Krajinova lecture room)
- 22 October** **Irena Šimová** (*Dept. of Ecology and Center for Theoretical Study, PŘF UK*) Ecosystem functions in the Anthropocene: plant traits, vegetation models and human well-being (with Dept. of Botany, Benátská 2, Krajinova lecture room)
- 29 October** **Qi Zhou** (*Zhejiang University, China*): Sex chromosome evolution of birds and bird-like mammals: from karyotype to 3D genome (with Dept. of Zoology, Velká zoologická lecture room)
- 5 November** **Presentations of 1st year MSc students I.**
- 12 November** **Jiří Reif** (*Institute for Environmental Studies, PŘF UK*) Towards the understanding of the drivers of long-term population trends in European birds (with Dept. of Zoology, Velká zoologická lecture room)
- 14–16 November** **Ph.D. conference** in Podhradí u Ledče nad Sázavou – presentations of 1st and 3rd years of Ph.D. students
- 19 November** **Vigdis Vandvik** (*University of Bergen, Norway*) A burning issue: Understanding the imprints of humans on the ecology and evolution of coastal heathlands (with Dept. of Zoology, Velká zoologická lecture room)
- 26 November** **Presentations of 1st year MSc students II.**
- 3 December** **UNCE** (with Depts. of Zoology and Botany, Benátská 2, Krajinova lecture room)
- 10 December** **Milan Říha** (*Institute of Hydrobiology, Biology Centre CAS, České Budějovice*) Research of fish distribution in Czech reservoirs: From classic methods to Acoustic positioning system (with Dept. of Zoology, Velká zoologická lecture room)
- 17 December** **Christmas trip of the Department of Ecology** (organised by MSc students)
- 7 January** **Presentations of 2nd year MSc projects: poster session** (arranged by Adam)

Programme of UNCE (December 3)

Michail Rovatsos (*Dept. of Ecology*): Evolution of sex chromosomes and dosage compensation mechanisms in amniotes

Zuzana Musilová (*Dept. of Zoology*): Life in the dark: vision in the deep-sea and deep-freshwater lake fishes

Martin Hora (*Dept. of Anthropology and Human Genetics*): Heat exchange modeling in studies of human evolution

Martin Weiser (*Dept. of Botany*): Plant roots in heterogeneous environments

Presentations of 1st year MSc students I. (November 5)

Jan Havelka: Changes of avian assemblages in CHKO Třeboňsko (supervisor: Ondřej Sedláček)

Vojtěch Macháček: Effect of volume and ratio of different forms of calcium in food of freshwater pearl mussel (*Margaritifera margaritifera*) on its survival and growth rate (supervisor: Jitka Horáčková)

Presentations of 1st year MSc students II. (November 26)

Adriana Hološková: The impact of agriculture on food supply for birds in farmland (supervisor: Jiří Reif)

Jan Kouřil: Cultural evolution: changes in yellowhammer song in time (supervisor: Tereza Petrusková)

Daniela Schmitzová: Relationship between aesthetic and biological value of successional stages of mountain forests in the Šumava NP (supervisor: David Hořák)