

CURRICULUM VITAE OF PAP PETER LASZLO

Education and training

1993 – 1998: B.S. Biology, Babeş-Bolyai University, Faculty of Biology and Geology, Cluj Napoca, Romania, specialization: Biology. B.S. Diploma: 'The study of the mate choice, breeding biology, post-embyonic development and food composition in the barn swallow (*Hirundo rustica*)'

1998 – 2001: PhD Biodiversity, University of Debrecen, Debrecen, Hungary; PhD Diploma: 'The effect of immunocompetence, health status and parasitism on the condition of the barn swallow (*Hirundo rustica*)', supervisor: Dr. Tibor Szép (PhD degree from 26th November 2005)

Positions

1998 – 2002: teacher assistant, Babeş-Bolyai University, Cluj Napoca, Romania

2002 – 2005: assistant lecturer, Babeş-Bolyai University, Cluj Napoca, Romania

2006 – 2008: post-doctoral researcher, University of Debrecen, Debrecen, Hungary, supervisor: Prof. Zoltán Barta (during the post-doctoral fellowship I continued my full-time academic activity at the Babeş-Bolyai University, Cluj Napoca, Romania)

2005 – 2012: senior lecturer, Babeş-Bolyai University, Cluj Napoca, Romania

2012 – present: associate professor, Babeş-Bolyai University, Cluj Napoca, Romania

Teaching

For MSc students: Behavioural conservation biology (lectures and seminars), Methods in biological research (lectures)

For BSc students: Vertebrate zoology (lectures and labs), Ethology (lectures and seminars), Field practice in vertebrate zoology, Conservation of the didactic materials (labs)

Supervised students: In total 45 undergraduate and 10 MsC theses.

Member in different commitees.

Fellowships

2001 – 2 months research fellowship, Universite Pierre et Marie Curie, Paris, France; supervisor: Prof. Anders Pape Møller

2002 – 2 months research fellowship, Universite Pierre et Marie Curie, Paris, France; supervisor: Prof. Anders Pape Møller

2006 – 2008: Post-doctoral researcher, University of Debrecen, Debrecen, Hungary; supervisor: Prof. Zoltán Barta

2010 – 1 month research fellowship, University of Bath, UK; supervisor: Prof. Tamas Szekely

Research expeditions

In 2010 I have been involved in a research project founded by the Norwegian Polar Institute with the aim to study the cooperative behaviour of the black-kittiwake in Svalbard, Norway. During the one month long fieldwork we studied the cooperation and conflict and parental interactions during the pre-laying period in the black-legged kittiwakes. In this project researchers from France (Olivier Chastel, Frederic Angelier) and Hungary (Adam Lendvai) were involved.

In 2014 I have been involved in a research project founded by the CNRS (Centre national de la recherche scientifique, France) with the aim to conduct a research on tropical forest dwelling birds in French Guiana. During the three week long fieldwork we collected blood samples for a research aiming to study the comparative physiology and parasitism of Neotropical birds. In this project researchers from France (Philipp Heeb, Olivier Chastel, Frederic Angelier) and Hungary (Adam Lendvai) were involved.

Coordination of a research group

I started my academic career in 1998 at the Faculty of Biology and Geology of the Babes-Bolyai University from Cluj Napoca, Romania, and since then, with short interruptions (during which I have been fellow researcher in different European universities and research centres), my research activity is based at this institute. I founded a research group, called 'Evolutionary Ecology Group', the main focus of

which is on the field of ecophysiology, the study of the host–parasite interaction and avian biology. In the research group activate a post-doctoral student, 3 PhD students and many undergraduate students. With the material support of several national (CEEX, TE and bilateral cooperation) and international (FP6) grants the fundamentals of the infrastructure for studies within our scope was in part established. For instance, we have several indoor and outdoor aviaries situated in the campus of our faculty, small cages (60) for housing birds and a laboratory equipped for parasitological and physiological measurements. Several well established house sparrow and barn swallow populations are followed since 2008, which serve as a background for our studies on birds. More than 40 students were actively involved in the research activity of the group, among which 5 continued their academic career as PhD students and many more are working as field ecologists in various projects in Romania and abroad. The collaboration between the group leader and his students (Csongor I. Vagasi, Laura Patras, Orsolya Vincze and many others) resulted in research papers published in international journals (see the publication list of the group here: <https://avianimmunoecology.wordpress.com/publications/>).

The autonomy and visibility of the scientific activity

(1) The project leader published 33 papers in international journals with impact factor, among which in 19 is the first or the corresponding author.

(2) The project leader's cumulative impact factor is 87, has 270 citations (without self-citations; 324 total citations) and an H-index of 11 (based on Thomson Reuter's Web of Science). These metrics bring the project leader in the 'club' of most prolific researchers in Romania working in the field of ecology and environmental sciences.

(3) During my career, I won four fellowships, among which two are national and two are international ((i) 2 months fellowship in Paris supported by the European Science Foundation, (ii) 2 months fellowship in Paris supported by the Romanian Ministry of Education and Research, (iii) 2 years fellowship in Debrecen, Hungary, supported by the Hungarian Ministry of Education, (iv) 16 months fellowship in Debrecen supported by the European Union). I was the principal investigator in two national research grants ((i) CEEX ET_94/2006, title: Annual and spatial variation of immunocompetence and susceptibility to parasitism in the house sparrow: possible

implication of cohabitation between wild birds and poultry disease transmission, funded by the Romanian Ministry of Education and Research, 40000 Euro, period: 2006–2008; (ii) TE_291/2010, title: Resistance and tolerance to parasitism as a mediator of avian life history: the role of oxidative stress and immune cell system, funded by the Romanian Ministry of Education and Research, 170000 Euro, period: 2010–2013). I was also the national coordinator of a FP6 international research project (Contract number 043318, title: Integrating cooperation research across Europe, funded by the European Union, 13000 Euro for the Romanian partner, period: 2007–2010) and one bilateral project between Romania and Hungary (679/2013, title: The co-evolution of life history traits and measures of oxidative physiology, funded by the Romanian Ministry of Education and Research, 7000 Euro for the Romanian partner, period: 2013–2014).

(4) Oral presentations at international conferences:

Pap, P.L. et al. (2012). Seasonality in coccidian parasitism and immune function in the house sparrow: natural covariation or just coincidence? 8th Conference of the European Ornithologists' Union. Riga, Latvia. (as an invited speaker)

Pap, P.L. et al. (2012) The evolution of constitutive immune defence in relation to life-history and parasitism in European birds. 12th European Ecological Federation Congress, Avila, Spain.

Pap, P.L. et al. (2010). Badge size and the immune function in male house sparrows during the annual cycle: coccidians enforce the honesty of a plumage ornament. 25th International Ornithological Congress. Campos do Jordao, Brasil.

Pap, P.L. et al. (2008). Diet quality affects post-nuptial molt and feather quality of the house sparrow (*Passer domesticus*): interaction with humoral immune function? 7th Conference of the European Ornithologists' Union. Vienna, Austria.

Pap, P.L. et al. (2005). Microhabitat preference, escape behavior and cues used by feather mites to avoid molting wing feathers: an experimental test. Winter Annual Meeting of the Association for the Study of Animal Behaviour, London, UK.

Pap, P.L. (2005). Breeding time and sex specific health status in the barn swallow *Hirundo rustica*. 'Migration in the life-history of birds', European Science Foundation Conference on Optimality in Bird Migration, Wilhelmshaven, Germany.

(5) I was referee for the following international journals: The Auk, Biological Journal of the Linnean Society, Canadian Journal of Zoology, Comparative Biochemistry

and Physiology, Evolutionary Ecology, Functional Ecology, Global Change Biology, Journal of Animal Ecology, Journal of Zoology, PlosOne, Polar Biology, Ibis, Journal of Avian Biology, Journal of Experimental Biology, Physiological and Biochemical Zoology, International Journal of Parasitology

Cluj Napoca,

6.01.2015

Conf. Dr. Pap Péter László