

# Curriculum Vitae

## Gábor Árpád Czirják

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### Job description

Research in immunology of captive and free-living wildlife species both from evolutionary ecological, disease and conservation points of views

Mentoring graduate students with interest in wildlife immunology and wildlife diseases

### Research fields and interests

Ecological immunology (bats, rodents, carnivores and birds as model)

Effect of environmental pollutants on health status of free-living species

Host - bacteria/fungi interactions

Maternal investment in wild animals

Ecology of wildlife diseases

### Professional appointments

Since 03/2010 Scientist, Leibniz Institute for Zoo and Wildlife Research

### Education

2004-2011 PhD, Veterinary Medicine & Ecology, Biodiversity and Evolution, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania and Université Paul Sabatier Toulouse, France

2004-2007 MSc in Animal Pathology and Public Health, University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

1998-2004 Doctor of Veterinary Medicine (DVM), University of Agricultural Sciences and Veterinary Medicine Cluj-Napoca, Romania

### Selected publications

Pap PL, Vágási CI, Vincze O, Osváth G, Veres-Szászka J, Czirják GÁ (2015) Physiological pace-of-life: the link between constitutive immunity, developmental period, and metabolic rate in European birds. *Oecologia in press*.

Schneeberger K, Czirják GÁ, Voigt CC (2013) Inflammatory challenge increases measures of oxidative stress in a free-ranging, long-lived mammal. *The Journal of Experimental Biology* 216(24): 4514-4519.

Bocharova NA\*, Treu G\*, Czirják GÁ\*, Krone O, Stefanski V, Wibbelt G, Unnsteinsdóttir ER, Hersteinsson P, Schares G, Doronina L, Goltsman M, Greenwood AD (2013) Correlates between feeding ecology and mercury levels in historical and modern arctic foxes (*Vulpes lagopus*). *PLoS ONE* 8(5): e60879.

\*Shared first authors

Schneeberger K, Czirják GÁ, Voigt CC (2013) Measures of the constitutive immune system are linked to diet and roosting habits of Neotropical bats. *PLoS ONE* 8(1): e54023.

Giraudeau M, Duval C, Czirják GÁ, Bretagnolle V, Eraud C, McGraw KJ, Heeb P (2011) Maternal investment of female mallards is influenced by male carotenoid-based coloration. *Proceeding of Royal Society B: Biological Sciences* 278(1706): 781-788.

Pap PL, Czirják GÁ, Vágási CI, Barta Z, Hasselquist D (2010) Sexual dimorphism in immune function changes during the annual cycle in the house sparrows. *Naturwissenschaften* 97(10): 891-901.

Czirják GÁ, Møller AP, Mousseau TA, Heeb P (2010) Microorganisms associated with feathers of barn swallows in radioactively contaminated areas around Chernobyl. *Microbial Ecology* 60(2): 373-380.

### Professional roles and services to the scientific community

Since 2006 Member, IUCN SSC Wildlife Health Specialist Group

Since 2014 *de facto* diplomat of the European College of Zoological Medicine, Wildlife Population Health specialty

Since 2014 Member, Senckenberg Graduate School *International Multidisciplinary Parasitology and Vector Biology*

2008 co-organizer, *International Conference for PhD students "Fourth Meeting in Ecology and Behaviour"*, Toulouse, France

*Ad hoc* reviewer for journals (*Microbial Ecology, Oecologia, Czech Journal of Animal Science, Functional Ecology, PLoS ONE, International Journal for Parasitology: Parasites and Wildlife*) and granting agencies (*Czech Science Foundation*)

### Awards, honours

Since 2012 Member, Society of Hungarian Scientists and Scholars