PERSONAL INFORMATION Pap Péter László

JOB APPLIED FOR
POSITION
PREFERRED JOB
STUDIES APPLIED FOR Babeș-Bolyai University

## WORK EXPERIENCE

Replace with dates (from - to)

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

2012 – 2020: associate professor, Babeş-Bolyai University, Cluj Napoca, Romania

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

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

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

## EDUCATION AND TRAINING

[Add separate entries for each course. Start from the most recent.]

Replace with dates (from - to)

2015 – defense of habilitation thesis at the Babeş-Bolyai University, Faculty of Biology and Geology, Cluj Napoca, Romania (since 2016 I can supervise PhD students)

1998 – 2001: PhD Biodiversity, University of Debrecen, Debrecen, Hungary, supervisor: Dr. Tibor Szep (PhD degree from 26th November 2005)

1993 – 1998: B.S. Biology, Babeş-Bolyai University, Faculty of Biology and Geology, Cluj Napoca, Romania, specialization: Biology.

**Fellowships**

2018 – 6 months: Post-doctoral researcher, University of Colorado, USA

2013 – 2014: Post-doctoral researcher, University of Debrecen, Debrecen, Hungary

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

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

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

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

## ADDITIONAL INFORMATION

**Grants**

1. 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; Contract number: CEEX ET_94/2006.

2. 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; Contract number: TE_291/2010.

3. Title: Integrating cooperation research across Europe (National coordinator of a FP6 international research project). Funded by the European Union; 13000 Euro for the Romanian partner; Period: 2007–2010; Contract number: 043318.

4. Title: The co-evolution of life history traits and measures of oxidative physiology (National coordinator of a bilateral project between Romania and Hungary). Funded by the Romanian Ministry of Education and Research; 7000 Euro for the Romanian partner; Period: 2013–2014; Contract number: 679/2013.

**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 centers, 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, microevolution and avian biology. In the research group activate a post-doctoral student, 4 PhD students and many undergraduate students. With the material support of several national (CEEX, TE and bilateral cooperation) and international (FP6) grants the fundaments of the infrastructure for research was 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 2011, 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 prolific publication activity in peer-reviewed international journals (see the publication list of the group here: https://avianimmunoecology.wordpress.com/publications/).

**Organization of conferences and meetings**

2019 – I was the organizer of the *11th Conference of the European Ornithologists' Union* congress, Cluj Napoca, Romania

2009, 2011, 2013, 2015 – Biology Days from Cluj Napoca (a local conference organized mainly for students)

2009 – Cooperation in Animal Societies, Cluj Napoca, Romania

2008 – Conflict and Cooperation in Animal Societies, Debrecen, Hungary

2007 – Behavioural Ecology Meeting, Cluj Napoca, Romania

**Visibility of the scientific activity**

**(1) Oral presentations at international conferences**

Pap, P.L. (2017). 'Birds of a feather flock together'. How feathers fulfill their functions in a diverse world? 11th Conference of the European Ornithologists' Union. Turku, Finland.

Pap, P.L. et al. (2015). Interspecific variation in the structural properties of flight feathers in birds. 10th Conference of the European Ornithologists' Union. Badajoz, Spain.

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.

**(2) I was referee for the following international journals:** Animal Behaviour, The Auk, Behavior Ecology and Sociobiology, Biological Journal of the Linnean Society, BMC Veterinary Research, Canadian Journal of Zoology, Comparative Biochemistry and Physiology, Evolutionary Ecology, Functional Ecology, Global Change Biology, Ibis, International Journal of Parasitology, Journal of Animal Ecology, Journal of Avian Biology, Journal of Experimental Biology, Journal of Zoology, Physiological and Biochemical Zoology, PlosOne, Polar Biology.

**Community service**

I am a member of the National Council for Attesting Titles, Diplomas and University Certificates (CNATDCU) of the Romanian Ministry of Education and Research since 2016. Besides supervising PhD and habilitation theses, among the others, this council develops national criteria for academics (i.e. for PhD and habilitation, academic career).

I organized many environmental activities for cleaning, education and protection of wildlife.

**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

Supervised students: In total 47 undergraduate and 16 MsC theses.

**(3) List of publications**

Pap PL, Vágási CI, Bókony V, Pénzes J, Szabó K, Magonyi NM, Czirják GÁ, Vincze O. 2025. Phylogenetic relationships of immune function and oxidative physiology with sexual selection and parental effort in male and female birds. *Ecology and Evolution* 15 (3), e71119.

del Mar Labrador M, González-Voyer A, Serrano D, Aguilera E, Arroyo JL, Atiénzar F, Barba E, Bermejo A, Blanco G, Borràs A, Calleja JA, Cantó JL, Cortés V, De la Puente J, De Palacio D, Fernández-González S, Figuerola J, Frías Ó, Fuertes-Marcos B, Gordo Ó, Kovács I, Martínez JL, Meléndez L, Mestre A, Møller AP, Monrós JS, Moreno-Opo R, Navarro C, Pap PL, Pérez-Tris J, Piculo R, Ponce C, Rodríguez R, Sallent Á, Senar JC, Tella JL, Vágási CI, Vögeli M, Jovani R 2025. Idiosyncrasy of feather mite intensity and prevalence across passerine bird species: a comparative study. *Oikos* e10629.

Pap PL, Vincze O, Vágási CI. 2024. Oxidative state is associated with migration distance, but not traits linked to flight energetics. *Journal of Avian Biology* e03325.

Horváth G, Sos T, Bóné G, Lőrincz CE, Pap PL, Herczeg G. 2024. Integrating behavioural thermoregulatory strategy into the animal personality framework using the common lizard, Zootoca vivipara as a model. *Scientific Reports* 14: 14200.

Minias P, Pap PL, Vincze O, Vágási CI. 2024. Correlated evolution of oxidative physiology and MHC-based immunosurveillance in birds. *Proceedings of the Royal Society of London B* 291: 20240686

Hornok S, Kontschán J, Takács N, Pap PL, Sándor AD. 2024. First record of Ixodes (Scaphixodes) caledonicus in the Carpathian Basin and first time molecular-phylogenetic analysis of this tick species with updated host records and geographical range. *Ticks and Tick-borne Diseases 15*: 102280.

Vágási CI, Vincze O, Adámková M, Kauzálová T, Lendvai ÁZ, Pătraș L, Pénzes J, Pap PL, Albrecht T, Tomášek O. 2024. Songbirds avoid the oxidative stress costs of high blood glucose levels: a comparative study. *Journal of Experimental Biology* 227: jeb246848.

del Mar Labrador M, Serrano D, Doña J, Aguilera E, Arroyo JL, Atiénzar F, Barba E, Bermejo A, Blanco G, Borràs A, Calleja JA, Cantó JL, Cortés V, De la Puente J, De Palacio D, Fernández-González S, Figuerola J, Frías Ó, Fuertes-Marcos B, Garamszegi LZ, Gordo Ó, Gurpegui M, Kovács I, Martínez JL, Meléndez L, Mestre A, Møller AP, Monrós JS, Moreno-Opo R, Navarro C, Pap PL, Pérez-Tris J, Piculo R, Ponce C, Proctor H, Rodríguez R, Sallent Á, Senar JC, Tella JL, Vágási CI, Vögeli M, Jovani R. 2024. Host space, not energy or symbiont size, constrains feather mite abundance across passerine bird species. *Journal of Animal Ecology* 93: 393-405.

Becker DJ, Merrifield JM, Vágási CI, Czirják GÁ, Pap PL. 2023. Spatial variation in the inflammatory response of house sparrows in their native range. *EcoHealth* 20: 231-235.

Nagy AA, Erős N, Imecs I, Bóné G, Fülöp A, Pap PL. 2023. Distribution and diversity of fishes and lampreys in Transylvania (Romania): a complete survey and suggestions of new protected areas. *ZooKeys* 1166: 351-373.

Nord A, Holje V, Judik B, Folkow LP, Pap PL. 2023. Seasonal changes in plumage density, plumage mass and feather morphology in the world's northernmost land bird. *Polar Biology* 46: 277-290.

Ferraguti M, Magallanes S, Jiménez-Peñuela J, Martínez-de la Puente J, Garcia-Longoria L, Muriel J, Albayrak T, Bensch S, Bonneaud C, Clarke RH, Czirják GÁ, Dimitrov D, Espinoza K, Ewen JG, Ishtiaq F, Figuerola J, Flores-Saavedra W, Garamszegi LZ, Hellgren O, Horakova D, Huyvaert KP, Jensen H, Krizanauskiene A, Lima MR, Lujan-Vega C, Magnussen E, Martin LB, Matson K, Møller AP, Munclinger P, Palinauskas V, Pap PL, Pérez-Tris J, Renner SC, Ricklefs R, Scebba S, Sehgal RNM, Soler M, Szöllősi E, Valkiūnas G, Westerdahl H, Zethindjiev P, Marzal A. 2023. Environmental, geographical, and time-related impacts on avian malaria infection in introduced and native populations of house sparrow (*Passer domesticus*), a globally invasive species. *Global Ecology and Biogeography* 32: 809-823.

Marton A, Vágási CI, Vincze O, Bókony V, Pap PL, Pătraș L, Pénzes J, Bărbos L, Fülöp A, Osváth G, Ducatez S, Giraudeau M. 2022. Oxidative physiology is weakly associated with pigmentation in birds. *Ecology and Evolution* 12: e9177.

Vincze O, Vágási CI, Pénzes J, Szabó K, Magonyi NM, Czirják GÁ, Pap PL 2022. Sexual dimorphism in immune function and oxidative physiology across birds: the role of sexual selection. *Ecology Letters* 25: 958-970. Media story here (HU).

Kuschmierz P, Beniermann A, Bergmann A, Pinxten R, Aivelo T, Berniak-Woźny J, Bohlin G, Bugallo-Rodriguez A, Cardia P, Barreiras Pinto Cavadas BF, Cebesoy UB, Cvetković DD, Demarsy E, Đorđević MS, Drobniak SM, Dubchak L, Dvořáková RM, Fančovičová J, Fortin C, Futo M, Geamănă NA, Gericke N, Grasso DA, Lendvai ÁZ, Mavrikaki E, Meneganzin A, Mogias A, Möller A, Mota PG, Naciri Y, Németh Z, Ożańska-Ponikwia K, Paolucci S, Pap PL, Petersson M, Pietrzak B, Pievani T, Pobric A, Porozovs J, Realdon G, Sá-Pinto X, Savković UB, Sicard M, Sofonea MT, Sorgo A, Stermin AN, Tăușan I, Torkar G, Türkmen L, Tutnjević S, Uitto AE, Varga M, Varga M, Vazquez-Ben L, Venetis C, Viguera E, Virtbauer LC, Vutsova A, Yruela I, Zandveld J, Graf D 2021. European first-year university students accept evolution but lack substantial knowledge about it: a standardized European cross-country

assessment. *Evolution: Education and Outreach* 14: 1-22.

Vágási CI, Fülöp A, Osváth G, Pap PL, Pénzes J, Benkő Z, Lendvai ÁZ and Barta Z 2021. Social groups with diverse personalities mitigate physiological stress in a songbird. Proceedings of the Royal Society of London B 288: 20203092. Media story here (EN), here (EN), here (HU), here (HU) and here (HU).

Vágási CI, Vincze O, Lemaître JF, Pap PL, Ronget V and Gaillard JM in 2021. Is degree of sociality associated with reproductive senescence? A comparative analysis across birds and mammals. Philosophical Transactions of the Royal Society of London B 376: 20190744. Media story here (HU).

Vágási CI, Tóth Z, Pénzes J, Pap PL, Ouyang JQ and Lendvai ÁZ 2020. The relationship between hormones, glucose and oxidative damage is condition- and stress-dependent in a free-living passerine bird. Physiological and Biochemical Zoology 93: 466–476.

Pap PL, Osváth G, Daubner T, Nord A and Vincze O 2020. Down feather morphology reflects adaptation to habitat and thermal conditions across the avian phylogeny. Evolution 74: 2365-2376.

Osváth G, Vincze O, David DC, Nagy LJ, Lendvai ZÁ, Nudds RL and Pap PL 2020. Morphological characterization of flight feather shafts in four bird species with different flight styles. Biological Journal of the Linnean Society 131: 192-202.

Pap PL, Fülöp A, Adamkova M, Cepak J, Michalkova R, Saffran RJ, Stermin AN, Tomasek O, Vágási CI, Vincze O, Wilins MR and Albtrecht T 2019. Selection on multiple sexual signals in two Central- and Eastern-European populations of the barn swallow. Ecology and Evolution 9: 11277-11287.

Vincze O, Vágási CI, Pap PL, Palmer C and Møller AP 2019. Wing morphology, flight type and migration distance predict accumulated fuel load in birds. Journal of Experimental Biology 222: jeb183517.

Pap PL, Vincze O, Vágási CI, Salamon Z, Pándi A, Bálint B, Nord A, Nudds RL and Osváth G 2019. Vane macrostructure of primary feathers and its adaptations to flight in birds. Biological Journal of the Linnean Society 126: 256–267.

Vágási CI, Vincze O, Pătraș L, Osváth G, Pénzes J, Haussmann M, Barta Z and Pap PL 2019. Longevity and life history coevolve with oxidative stress in birds. Functional Ecology 33: 152-161.

Wilkins MR, Scordato ESC, Semenov GA, Karaardıç H, Shizuka D, Rubtsov A, Pap PL, Shen S-F and Rebecca J 2018. Global song divergence in barn swallows (Hirundo rustica): exploring the roles of genetic, geographic, and climatic distance in sympatry and allopatry. Biological Journal of the Linnean Society 123: 825-849.

Vágási CI, Pătraș L, Pap PL, Vincze O, Mureșan C, Németh J and Lendvai ÁZ 2018. Experimental increase in baseline corticosterone level reduces oxidative damage and enhances innate immune response. PLoS One 13: e0192701. pdf

Pap PL, Vincze O, Fülöp A, Székely-Béres O, Pătraș L, Pénzes J and Vágási CI 2018. Oxidative physiology of reproduction in a passerine bird: a field experiment. Behavioural Ecology and Sociobiology 72: 18.

Osváth G, Daubner T, Dyke GJ, Fuisz TI, Nord A, Pénzes J, Vargancsik D, Vágási CI, Vincze O and Pap PL 2018. How feathered are birds? Environment predicts both the mass and density of body feathers. Functional Ecology 32: 701–712.

Fülöp A, Vágási CI and Pap PL 2017. Cohabitation with farm animals rather than breeding effort increases the infection with feather-associated bacteria in the barn swallow Hirundo rustica. Journal of Avian Biology 48: 1005–1014. pdf

Pap PL, Vincze O, Wekerle B, Daubner T, Vágási CI, Nudds RL, Dyke GJ and Osváth G 2017. A phylogenetic comparative analysis reveals correlations between body feather structure and habitat. Functional Ecology 31: 1241–1251. pdf

Geue JC, Vágási CI, Schweizer M, Pap PL and Thomassen HA 2016. Environmental selection is a main driver of divergence in house sparrows (Passer domesticus) in Romania and Bulgaria. Ecology and Evolution 6: 7954–7964.

Wilkins MR, Karaardıç H, Vortman Y, Parchman TL, Albrecht T, Petrželková A, Özkan L, Pap PL, Hubbard JK, Hund AK and Safran RJ 2016. Phenotypic differentiation is associated with divergent sexual selection among closely related barn swallow populations. Journal of Evolutionary Biology , 29: 2410-2421.

Safran RJ, Scordato ESC, Wilkins MR, Hubbard JK, Jenkins BR, Albrecht T, Flaxman SM, Karaardıç H, Vortman Y, Lotem A, Nosil P, Pap P, Shen S, Chan SF, Parchman T and Kane NC 2016. Genome-wide differentiation in closely related populations: the roles of selection and geographic isolation. Molecular Ecology 25: 3865–3883.

Vágási CI, Vincze O, Pătraș L, Osváth G, Marton A, Bărbos L, Sol D and Pap PL 2016. Large-brained birds suffer less oxidative damage. Journal of Evolutionary Biology 29: 1968–1976.

Fülöp A, Czirják GÁ, Pap PL and Vágási CI 2016. Feather-degrading bacteria, uropygial gland and feather quality in House Sparrows Passer domesticus. Ibis 158: 362–370.

Vágási CI, Pap PL, Vincze O, Osváth G, Erritzøe J and Møller AP 2016. Morphological adaptations to migration in birds. Evolutionary Biology 43: 48–59.

Paștiu AI, Pap PL, Vágási CI, Niculae M, Páll E, Brudașcă FG and Spînu M 2016. Wild birds in Romania are more exposed to West Nile

virus than to Newcastle Disease virus. Vector-Borne and Zoonotic Diseases 16: 176–180.

Vincze O, Vágási CI, Pap PL, Osváth G and Møller AP 2015. Brain regions associated with visual cues are important for bird migration. Biology Letters 11: 20150678. pdf

Pap PL, Osváth G, Aparicio JM, Bărbos L, Matyjasiak P, Rubolini D, Saino N, Vágási CI, Vincze O and Møller AP 2015. Sexual dimorphism and population differences in structural properties of barn swallow (Hirundo rustica) wing and tail feathers. PLoS ONE 10: e0130844. pdf

Pap PL, Pătraș L, Osváth G, Buehler DM, Versteegh MA, Sesarman A, Banciu M and Vágási CI 2015. Seasonal patterns and relationships among coccidian infestations, measures of oxidative physiology, and immune function in free-living house sparrows over an annual cycle. Physiological and Biochemical Zoology 88: 395–405. pdf

Pap PL, Osváth G, Sándor K, Vincze O, Bărbos L, Marton A, Nudds RL and Vágási CI 2015. Interspecific variation in the structural properties of flight feathers in birds indicates adaptation to flight requirements and habitat. Functional Ecology 29: 746–757. pdf Spotlighted paper in the 29(6) issue of Functional Ecology.

Pap PL, Vágási CI, Vincze O, Osváth G, Veres-Szászka J and Czirják GÁ. 2015. Physiological pace of life: the link between constitutive immunity, developmental period, and metabolic rate in European birds. Oecologia 177: 147–158. pdf

Diaz-Real J, Serrano D, Pérez-Tris J, Fernández-González S, Bermejo A, Calleja JA, De la Puente J, De Palacio D, Martínez JL, Moreno-Opo R, Ponce C, Frías Ó, Tella JL, Møller AP, Figuerola J, Pap PL, Kovács I, Vágási CI, Meléndez L, Blanco G, Aguilera E, Senar JC, Galván I, Atiénzar F, Barba E, Cantó JL, Cortés V, Monrós JS, Piculo R, Vögeli M, Borràs A, Navarro C, Mestre A and Jovani R 2014. Repeatability of feather mite prevalence and intensity in passerine birds. PLoS ONE 9: e107341. pdf

Pap PL, Sesarman A, Vágási CI, Buehler DM, Pătraș L, Versteegh MA and Banciu M 2014. No Evidence for Parasitism-linked Changes in Immune Function or Oxidative Physiology over the Annual Cycle of an Avian Species. Physiological and Biochemical Zoology 87: 729–739. pdf

Bókony V, Lendvai ÁZ, Vágási CI, Pătraș L, Pap PL, Németh J, Vincze E, Papp S, Preiszner B, Seress G and Liker A. 2014. Necessity or capacity? Physiological state predicts problem-solving performance in house sparrows. Behavioral Ecology 25: 124–135. pdf

Møller AP, Merino S, Soler JJ, Antonov A, Badás EP, Calero-Torralbo MA, de Lope F, Eeva T, Figuerola J, Flensted-Jensen E, Garamszegi LZ, González-Braojos S, Gwinner H, Hanssen SA, Heylen D, Ilmonen P, Klarborg K, Korpimäki E, Martínez J, Martínez-de la Puente J, Marzal A, Matthysen E, Matyjasiak P, Molina-Morales M, Moreno J, Mousseau TA, Nielsens JT, Pap PL, Rivero-de Aguilar J, Shurulinkov P, Slagsvold T, Szép T, Szöllősi E, Török J, Vaclav R, Valera F and Ziane N 2013. Assessing the Effects of Climate on Host-Parasite Interactions: A Comparative Study of European Birds and their Parasites. PLoS ONE 8: e82886. pdf

Vincze O, Vágási CI, Kovács I, Galván I and Pap PL 2013. Sources of variation in uropygial gland size in European birds. Biological Journal of the Linnean Society 110: 543–563. pdf

Møller AP, Vágási CI and Pap PL 2013. Risk-taking and the evolution of mechanisms for rapid escape from predators. Journal of Evolutionary Biology 26: 1143–1150. pdf

Czirják GÁ, Pap PL, Vágási CI, Giraudeau M, Mureşan C, Mirleau P and Heeb P 2013. Preen gland removal increases plumage bacterial load but not that of feather-degrading bacteria. Naturwissenschaften 100: 145–151. pdf

Pap PL, Vágási CI, Bărbos L and Marton A 2013. Chronic coccidian infestation compromises flight feather quality in house sparrows Passer domesticus. Biological Journal of the Linnean Society 108: 414–428. pdf

Pap PL, Adam C, Vágási CI, Benkő Z and Vincze O 2013. Sex ratio and sexual dimorphism of three lice species with contrasting prevalence parasitizing the house sparrow. Journal of Parasitology 99: 24–30. pdf

Vágási CI, Pap PL, Vincze O, Benkő Z, Marton A and Barta Z 2012. Haste Makes Waste but Condition Matters: Molt Rate-Feather Quality Trade-Off in a Sedentary Songbird. PLoS ONE 7: e40651. pdf

Galván I, Aguilera E, Atiénzar F, Barba E, Blanco G, Cantó JL, Cortés V, Frías Ó, Kovács I, Meléndez L, Møller AP, Monrós JS, Pap PL, Piculo R, Senar JC, Serrano D, Tella JL, Vágási CI, Vögeli M and Jovani R 2012. Feather mites and body condition of their avian hosts: a large correlative study. Journal of Avian Biology 43: 273–279. pdf

Marzal A, Ricklefs RE, Valkiūnas G, Albayrak T, Arriero E, Bonneaud C, Czirják GÁ, Ewen J, Hellgren O, Horakova D, Iezhova TA, Jensen H, Križanauskienė A, Lima MR, de Lope F, Magnussen E, Martin LB, Møller AP, Palinauskas V, Pap PL, Pérez-Tris J, Sehgal RNM, Soler M, Szöllősi E, Westerdahl H, Zetindjiev P and Bensch S 2011. Diversity, Loss, and Gain of Malaria Parasites in a Globally Invasive Bird. PLoS ONE 6: e21905. pdf

Pap PL, Vágási CI, Czirják GÁ, Titilincu A, Pintea A, Osváth G, Fülöp A and Barta Z 2011. The effect of coccidians on the condition and immune profile of molting house sparrows (Passer domesticus). Auk 128: 330–339. pdf

Vágási CI, Pap PL, Tökölyi J, Székely E and Barta Z 2011. Correlates of variation in flight feather quality in the Great Tit Parus major. Ardea 99: 53–60. pdf

Vágási CI, Pap PL and Barta Z 2010. Haste Makes Waste: Accelerated Molt Adversely Affects the Expression of Melanin-based and Depigmented Plumage Ornaments in House Sparrows. PLoS ONE 5: e14215. pdf

Pap PL, Vágási CI, Osváth G, Mureşan C and Barta Z 2010. Seasonality in the uropygial gland size and feather mite abundance in house sparrows: natural covariation and an experiment. Journal of Avian Biology 41: 653–661. pdf

Pap PL, Czirják GÁ, Vágási CI, Barta Z and Hasselquist D 2010. Sexual dimorphism in immune function changes during the annual cycle in the house sparrows. Naturwissenschaften 97: 891–901. pdf

Pap PL, Vágási CI, Tökölyi J, Czirják GÁ and Barta Z 2010. Variation in haematological indices and immune function during the annual cycle in the Great Tit Parus major. Ardea 98: 105–112. pdf

Pap PL, Vágási CI, Czirják GÁ, Titilincu A, Pintea A and Barta Z 2009. Carotenoids modulate the effect of coccidian infection on the condition and immune response in moulting house sparrows. Journal of Experimental Biology 212: 3228–3235. pdf

Pap PL, Vágási CI, Czirják GÁ and Barta Z 2008. Diet quality affects postnuptial molting and feather quality of the house sparrow (Passer domesticus): interaction with humoral immune function? Canadian Journal of Zoology 86: 834–842. pdf

Pap PL, Barta Z, Tökölyi J and Vágási CI 2007. Increase of feather quality during moult: a possible implication of feather deformities in the evolution of partial moult in the great tit. Journal of Avian Biology 38: 471–478. pdf

Szép T, Møller AP, Piper S, Nuttall R, Szabó DZ and Pap PL 2007. Migratory connectivity in barn swallows and other hirundines. Journal of Ornithology 148: 257–260. pdf

Stokke BG, Hafstad I, Rudolfsen G, Bargain B, Beier J, Campas DB, Dyrcz A, Honza M, Leisler B, Pap PL, Patapavicius P, Prochazka P, Schulze-Hagen K, Thomas R, Moksnes A, Møller AP, Røskaft E and Soler M 2007. Host density predicts presence of cuckoo parasitism in reed warblers. Oikos 116: 913–922. pdf

Møller AP, Chabi Y, Cuervo JJ, de Lope F, Kilpimaa J, Kose M, Matyjasiak P, Pap PL, Saino N, Sakraoui R, Schifferli L and von Hirschheydt J 2006. An analysis of continent-wide patterns of sexual selection in a passerine bird. Evolution 60: 856–868. pdf

Szép T, Møller AP, Piper S, Nuttall R, Szabó ZD and Pap PL 2006. Searching for potential wintering and migration areas of a Danish Barn Swallow population in South Africa by correlating NDVI with survival estimates. Journal of Ornithology 147: 245–253. pdf

Pap PL, Szép T, Tökölyi J and Piper S 2006. Habitat preference, escape behavior and cues used by feather mites to avoid molting wing feathers. Behavioral Ecology 17: 277–284. pdf

Pap PL, Tökölyi J and Szép T 2005. Host-symbiont relationship and abundance of feather mites in relation to age and body condition of the barn swallow (Hirundo rustica): an experimental study. Canadian Journal of Zoology 83: 1059–1066. pdf

Pap PL, Tökölyi J and Szép T 2005. Frequency and consequences of feather holes in Barn Swallows Hirundo rustica. Ibis 146: 169–175. pdf

Pap PL and Márkus R 2003. Cost of reproduction, T-lymphocyte mediated immunocompetence and health status in female and nestling Barn Swallows Hirundo rustica. Journal of Avian Biology 34: 428–434. pdf

Pap PL 2002. Breeding time and sex-specific health status in the barn swallow (Hirundo rustica). Canadian Journal of Zoology 80: 2090–2099.

Cluj Napoca,