

přehled publikační činnosti
doc. RNDr. Pavel Hulva, Ph.D.

1. Vědecké monografie

2. Kapitoly v monografiích

3. Původní práce v mezinárodních časopisech s IF

- Neveceralova, P; Carroll, E; Steel, D; Vermeulen, E; Elwen, S; Zidek, J; Stafford, JK; Chivell, W; **Hulva, P** (2022) Population changes in a whale breeding ground revealed by citizen science noninvasive genetics. *GLOBAL ECOLOGY AND CONSERVATION* 37, e02141. [IF 3.380]
- Eliasová, K; Ignacio Lucas Lledo, J; Horacio Grau, J; Loudova, M; Bannikova, AA; Zolotareva, KI; Benes, V; **Hulva, P**; Cerna Bolfikova, B (2022) Genomic scan reveals divergent modes of species boundary maintenance within two portions of discontinuous contact zone between the hedgehogs *Erinaceus europaeus* and *E. roumanicus*. *HEREDITY*, in review. [IF 2.809]
- Ciucani, MM; Ramos-Madrigal, J; Hernández-Alonso, G; Carmagnini, A; Aninta, SG; Scharff-Olsen, CH; Lanigan, LT; Fracasso, I; Clausen, CG; Aspi, J; Kojola, I; Baltrūnaitė, L; Balčiauskas, L; Moore, J; Åkesson, M; Saarma, U; Hindrikson, M; **Hulva, P**; Bolfiková, BČ; Nowak, C; Godinho, R; Smith, S; Paule, L; Nowak, S; Mysłajek, RW; Brutto, SL; Ciucci, P; Boitani, L; Vernesi, C; Stenoien, HK; Smith, O; Frantz, L; Rossi, L; Angelici, FM; Cilli, E; Sinding, MS; Gilbert, MTP; Gopalakrishnan, S (2022) Genomes of the extinct Sicilian wolf reveal a complex history of isolation and admixture with ancient dogs. *MOLECULAR BIOLOGY AND EVOLUTION*, in review. [16.240].
- Larsen, J; Raisen, CL; Ba, XL; Sadgrove, NJ; Padilla-Gonzalez, GF; Simmonds, MSJ; Loncaric, I; Kerschner, H; Apfalter, P; Hartl, R; Deplano, A; Vandendriessche, S; Bolfikova, BC; **Hulva, P**; Arendrup, MC; Hare, RK; Barnadas, C; Stegger, M; Sieber, RN; Skov, RL; Petersen, A; Angen, O; Rasmussen, SL; Espinosa-Gongora, C; Aarestrup, FM; Lindholm, LJ; Nykasenoja, SM; Laurent, F; Becker, K; Walther, B; Kehrenberg, C; Cuny, C; Layer, F; Werner, G; Witte, W; Stamm, I; Moroni, P; Jorgensen, HJ; de Lencastre, H; Cercenado, E; Garcia-Garrote, F; Borjesson, S; Haeggman, S; Perreten, V; Teale, CJ; Waller, AS; Pichon, B; Curran, MD; Ellington, MJ; Welch, JJ; Peacock, SJ; Seilly, DJ; Morgan, FJE; Parkhill, J; Hadjirin, NF; Lindsay, JA; Holden, MTG; Edwards, GF; Foster, G; Paterson, GK; Didelot, X; Holmes, MA; Harrison, EM; Larsen, AR (2022) Emergence of methicillin resistance predates the clinical use of antibiotics. *NATURE* 602, 135–141. [IF 49.962]
- Doan, K; Niedziałkowska, M; Stefaniak, K; Sykut, M; Jędrzejewska, B; Ratajczak-Skrzatek, U; Piotrowska, N; Ridush, B; Zachos, FE; Popović, D; Baca, M; Mackiewicz, P; Kosintsev, P; Makowiecki, D; Charniauski, M; Boeskorov, G; Anatolievich Bondarev, A; Danila, G; Kusak, J; Rannamäe, E; Saarma, U; Arakelyan, M; Manaseryan, N; Krasnodębski, D; Titov, V; **Hulva, P**; Bălășescu, A; Trantalidou, K; Dimitrijević, V; Shpansky, A; Kovalchuk, O; Klementiev, AM; Foronova, I; Malikov, DG; Juras, A; Nikolskiy, P; Egorovich Grigoriev, S; Yurievich Cheprasov, M; Petrovich Novgorodov, G; Dmitrievich Sorokin, A; Wilczyński, J; Vasilievich Protopopov, A; Lipecki, G; Stanković, A (2022) Phylogenetics and phylogeography of red deer mtDNA lineages during the last 50 000 years in Eurasia. *ZOOLOGICAL JOURNAL OF THE LINNEAN SOCIETY* 194(2), 431–456. [IF 3.286]
- Kloch, A; Biedrzycka, A; Szewczyk, M; Nowak, S; Niedzwiedzka, N; Kłodawska, M; Hajkova, A; **Hulva, P**; Jędrzejewska, B; Mysłajek, R (2021) High genetic diversity of immunity genes in an expanding population of a highly mobile carnivore, the grey wolf *Canis lupus*, in Central Europe. *DIVERSITY AND DISTRIBUTIONS* 27(9), 1680–1695. [IF 5.139]
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- Benda, P; **Hulva, P**; Gaisler J (2004) Systematic status of African populations of *Pipistrellus pipistrellus* complex (Chiroptera: Vespertilionidae), with a description of a new species from Cyrenaica, Libya. ACTA CHIROPTEROLOGICA 6, 193–217. [IF 1.073]
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- Hulva, P**; Horacek, I (2002) *Craseonycteris thonglongyai* (Chiroptera: Craseonycteridae) is a rhinolophoid: molecular evidence from cytochrome *b*. ACTA CHIROPTEROLOGICA 4, 107–120. [IF 1.073]

4. Učebnice a učební texty

Hulva P (2008) Fylogenetické vztahy a evoluční minulost psa z pohledu molekulární genetiky. In: Kynologie (ed. Šebková N), Česká zemědělská univerzita v Praze.

5. Různé závažné práce

Recenze rukopisů v časopisech Molecular Biology and Evolution, Molecular Ecology, Journal of Biogeography, Heredity, Biological Journal of the Linnean Society, Neobiota, Journal of Mammalogy, Mammalia, Acta Chiropterologica aj.

6. Přednášky typu "invited speaker"

6A. Semináře na zahraničních institucích

Hulva P (2017) Bats, wolves and whales: Adaptive evolution in highly mobile mammals via landscape genetics: St. Andrews University (Great Britain)

Hulva P (2012) The species as an emergent property of population biology: Bats, dogs and others. The Hebrew University of Jerusalem (Israel)

Hulva P (2011) Evolutionary genetics. Sofia university Sv. Kliment Ohridski (Bulgaria)

Hulva P (2008) Phylogeography of Mediterranean region. University College Dublin (Ireland)

6B. Semináře a přednášky na domácích institucích

Přednášky na seminářích PřF UK (katedra zoologie, ekologie, filosofie a dějin přírodních věd), Ústavu botaniky a zoologie PřF MU v Brně, katedry zoologie UP v Olomouci, katedry biologie a ekologie PřF

OU v Ostravě, fakulty životního prostředí ČZU, na bonitacích a svodech kynologických klubů, mezinárodní noci pro netopýry aj.

2 přednášky v rámci cyklu Biologické čtvrtky ve Viničné 7.

7. Přehledy a souborné referáty

8. Patenty národní a zahraniční, objevy

9. Dizertační a habilitační práce

Hulva P. 2006. Genetic markers and the evolutionary history of Chiroptera: empirical lessons.

Dizertační práce. Katedra zoologie PřF UK, Praha.

Hulva P. 2013. Evoluční genetika, biogeografie a speciace savců: integrativní přístup. Habilitační práce. Katedra zoologie PřF UK, Praha.

10. Přednášky a postery na mezinárodních konferencích

Hulva P, Černá Bolfíková B (2022) Life traits of hedgehogs and their model status in speciation phylogeography and conservation biology. Abstract in: Abstract book of 9th meeting of European Hedgehog Research Group, Prague, p. 9.

Báčová A, Jindřichová M, Lucas-Lledó JJ, Hulva P, Černá Bolfíková B (2020) Hybridization of wolf (*Canis lupus*) and dog (*Canis familiaris*): Introducing research on genome interactions and artificial selection. In: Abstract book of 4th Annual Meeting in Conservation Genetics (from genomes to applications), Senckenberg, p. 73.

Bernáthová I, Swiacká M, Jindřichová M, Hulva P, Černá Bolfíková B (2020) Conservation genetics of pangolins in Congo. In: Abstract book of 4th Annual Meeting in Conservation Genetics (from genomes to applications), Senckenberg, p. 75.

Pavlinec Ž, Hulva P, Čirović D, Arbanasić H, Djan M, Bogdanović N, Galov A (2020) Assessment of MHC diversity in Central and Southeastern European grey wolf (*Canis lupus*) populations. In: Abstract book of 4th Annual Meeting in Conservation Genetics (from genomes to applications), Senckenberg, p. 78.

Szewczyk M, Nowak S, Niedźwiecka N, Hulva P, Špinkytė-Bačkaitienė R, Demjanovičová K, Černá Bolfíková B, Antal V, Fenchuk V, Figura M, Tomczak P2,10, Stachyra P11, Stępnia K1,2, Zwijacz-Kozica T12, Kłoch A13, Niedziałkowska M, Jędrzejewska B, Mysłajek RW (2020) Population structure and genetic diversity of wolves (*Canis lupus*) recolonizing Western Poland. In: Abstract book of 4th Annual Meeting in Conservation Genetics (from genomes to applications), Senckenberg, p. 122.

Hulva P, Černá Bolfíková B, Woznicová V, Smetanová M, Benešová M, Mysłajek RW, Nowak S, Szewczyk M, Niedźwiecka N, Figura M, Hájková A, Sándor AD, Zyka V, Romportl D, Kotal M, Findo S, Antal V (2018) Wolves in Western Carpathians and Central Europe: landscape genetics, population admixture and further prospects. Abstract in: Abstract of the 3rd Annual Meeting in Conservation Genetics, Vienna.

Hulva P, Marešová T, Romportl D, Santoro S, Horáček I, Tsoar A, Nathan R, Shohami D, Centeno-Cuadros A (2016) Ecological adaptations and human induced differentiation reversal in a bat of tropical origin at the humid-arid transition zone. Abstract in: Abstracts of the 17th International Bat Research Conference, Durban.

Hulva P, Černá Bolfíková B, Woznicová V, Smetanová M, Kotal M (2015) Landscape genetics of grey wolves at the range edges in Central Europe. Abstract in: 27th International Congress for Conservation Biology and 4th European Congress for Conservation Biology (Eds.). Society for Conservation Biology, Montpellier. p. 314.

Hulva P, Marešová T, Dundarova H, Bilgin R, Benda P, Bartonička T, Horáček I (2013) Environmental Margin, Island Evolution, and Anthropogenic impact in middle eastern populations of the Egyptian fruit bat. Abstract in: Abstracts of the 16th International Bat Research Conference, San Jose, p. 72.

- Herdina AN, Hulva P, Horáček I, Benda P, Mayer C, Hilgers H, Metscher B (2013) The *Pipistrellus* baculum: individual and phylogeographic variation and cryptic species discrimination. Abstract in: Abstracts of the 16th International Bat Research Conference, San Jose, p. 68.
- Horáček I, Benda P, Lučan R, Bartonička T, Vallo P, Hulva P (2013) Paleobiogeography of the Mediterranean Fruit Bats: an Unresolvable Issue? Abstract in: Abstracts of the 16th International Bat Research Conference, San Jose, p. 71.
- Smetanová M, Hulva P, Randi E, Černá Bolfíková B (2013) Genetic composition of the Czechoslovakian Wolfdog. Abstract in: Potočník H, Ražen N, Mulej J, Jelenčič M, Bertoncejl I (Eds.), Abstracts of the International conference: Wolf conservation in human dominated landscapes, Postojna, p. 26.
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- Hulva P, Marešová T, Dundarova H, Rasit B, Benda P, Bartonička T, Horáček I. (2012) Egyptian fruit bat: environmental margin and peripatry in the Mediterranean region. 1st Joint Congress on Evolutionary Biology, Ottawa.
- Bolfíková B, Konečný A, Hulva P (2012) Analysis of invasion scenarios of hedgehogs in New Zealand using ABC modeling. Abstract in: Ennos R (Ed.), Ecological Genetics Group 56th meeting, Edinburgh, p. 30.
- Hulva P, Dundarova H, Marešová T, Bilgin R, Benda P, Bartonička T, Horáček I (2011) Genetic structure of Egyptian fruit bat in northern distribution limits. Abstract in: Hutson AM, Lina PHC (Eds.), Abstracts of XII European Bat Research Symposium, Vilnius, p. 31.
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- Bolfíková B, Hulva P (2011) Evolutionary history of the genus *Erinaceus*. Abstract in: Denys C et al. (Eds.), VIth European Congress of Mammalogy, Paris, p. 86.
- Hulva P, Fornůsková, A., Chudárková, A., Allegrini, B., Evin, A., Benda, P., Horáček, I., Bartonička, T., Bryja, J. 2010. Phylogeography of *Pipistrellus pipistrellus* species group: Radiation and reticulation. Abstract in: Horáček, I., Benda, P. (Eds.), Abstracts of the 15th International Bat Research Conference, Prague, p. 177–178.
- Jahelková, H., Georgiakakis, P., Demetropoulos, S., Bartonička, T., Lučan, R., Horáček, I., Nicolaou, H., Lymperakis, P., Hulva, P. 2010. The variability of echolocation and social calls of cryptic pipistrelles across western Palaearctic. Abstract in: Horáček, I., Benda, P. (Eds.), Abstracts of the 15th International Bat Research Conference, Prague, p. 183.
- Horáček, I., Benda, P., Hulva, P., Bilgin, R., Abi-Said, M., Karanouh, R., Asan, N., Albayrak, I., Karatas, A., Nicolaou, H., Bartonička, T., Lučan, R. 2010. *Rousettus aegyptiacus* in the Mediterranean: Distribution, chorology and perspectives. Abstract in: Horáček, I., Benda, P. (Eds.), Abstracts of the 15th International Bat Research Conference, Prague, p. 174–175.
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- Hulva, P., Benda, P., Hanák, V. and Horáček, I. 2007. A new lineage in the *Pipistrellus pipistrellus* complex from Europe. Pp.: 103–104. In: ESPINOSA C., NAVARRO L., ARROYO-CABRALES J., FLORES J. J., GALICIA C., MEDELLÍN R. & LÓPEZ G. (eds.): XIV International Bat Research Conference. 37th NASBR. Merida, Yuc., Mexico 2007, August 19–23. Program and Abstracts. Bioconciencia, Merida, 264 pp.
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- Hulva, P., Benda, P., Horáček, I. 2005. Phylogeography of Rhinopomatidae. Oral presentation. Abstract in: Dunne, J. (Ed.), Abstracts of the Xth European Bat Research Symposium. National University of Ireland, Galway.
- Benda, P., Hulva, P., Gaisler, J. 2004. Systematic status of North African populations of *Pipistrellus pipistrellus* complex (Vespertilionidae). Poster. Abstract in: Bogdanowicz, W., Lina, P. H. C., Pilot, M., Rutkowski, R. (Eds.), Abstracts of the 13th International Bat Research Conference. Museum and Institute of Zoology PAS, Warszawa, p. 78.
- Hulva, P., Horáček, I., Strelkov, P.P., Benda, P. 2004. Phylogeography of *Pipistrellus pipistrellus* / *P. pygmaeus* complex (Chiroptera: Vespertilionidae). Oral presentation. Abstract in: Bogdanowicz, W., Lina, P. H. C., Pilot, M., Rutkowski, R. (Eds.), Abstracts of the 13th International Bat Research Conference. Museum and Institute of Zoology PAS, Warszawa, p. 23.

Hulva, P., Horáček, I. 2002. Mega- and Microchiroptera: old clades and new views. Oral presentation. Abstract in: Aulagnier, S., Leboulenger, F. (Eds.), Abstracts of the IXth European Bat Research Symposium. University of Le Havre, Le Havre, p. 1.

11. Účast na řešení grantů

Štátna ochrana prírody Slovenskej Republiky

Realizácia programov starostlivosti o veľké šelmy na Slovensku. Zisťovanie početnosti veľkých šeliem a zisťovanie stupňa hybridizácie vlka dravého na základe analýz DNA (2019–2024), hlavný řešitel

Grant Agency of Charles University

1140217/2017 B-BIO: Population biology and conservation genetics of southern right whale (*Eubalaena australis*) (2017–2019), garant

43-253073/2012 B-BIO: Population structure in selected shrew species (Soricidae) in the Central European region (2012–2014), člen týmu

6110/2010 B-BIO: Phylogeny of vespertilionid bats with a focus on the tribes Pipistrellini, Nycticeiini and Vespertilionini and certain species from western Africa (2010–2012), člen týmu

169/2005 B-BIO: Molecular ecology of *Pipistrellus nathusii* (Mammalia: Chiroptera): reproduction system and genealogy pattern in a model population (2006–2007), člen týmu

The Grant Agency of the Academy of Science of the CR

IAA601110905: Evolutionary biogeography of a fruit-bat, *Rousettus aegyptiacus*, in the Mediterranean region (2009–2013), člen týmu

KJB601110807: Phylogeography of *Pipistrellus pipistrellus* aggregate (2008–2010), hlavní řešitel

Grant Agency of the Czech Republic

206/09/0888: Mediterranean range margins in bats: genetic structures, phenotypic patterns, biogeography (2009–2012), člen týmu

206/05/2334: Phenotypic and molecular phylogeography of Central Europe and Mediterranean: comparison of ten model species (2005–2007), člen týmu

206/02/0961: Situation of *Pipistrellus pipistrellus* superspecies in the Czech Republic (2002–2004), člen týmu

Norway grants

Monitoring of carnivore species of European importance in selected Natura 2000 sites. (2015–2016), spolurešitel

Ministry of the Environment of the Czech Republic

SP/2d4/61/08: Investigation on the biology, ecology and distribution of the ground squirrel (*Spermophilus citellus*) on the context of its Action plan in the Czech Republic (2008–2010), člen týmu

Ministry of Culture of the Czech Republic

2270/2001: Introduction of molecular biology methods into bat research at Faculty of Science of Charles University in Prague (2002), hlavní řešitel

NP Šumava

Genetika a potravní nároky populace vlka obecného (*Canis lupus*) na území NP a CHKO Šumava (2021–2022), hlavní řešitel

SGS (OU)

Population genetic and genomic approaches for study of speciation and adaptations (2017), školitel

Population and landscape genetics of the grey wolf in central Europe (2016), školitel

Population and landscape genetics of selected mammalian species (2015), školitel

12. Ostatní publikace, popularizační práce

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- Hulva, P (2021) Co přináší rewilding Evropy? Přírodovědci 10(1), 14–15.
- Hulva, P (2019) Molekulární ekologie vlka, rewilding a myslivost ve 21. století. MYSLIVOST 67(9), 20–27. <https://www.myslivost.cz/Casopis-Myslivost/MYSLIVOST-Straz-myslivosti/2019/Zari-2019/Molekularni-ekologie-vlka-rewilding-a-myslivost-v>
- Hulva, P (2018) Lupus dei a neoanimismus. Dingir 4, 149–152.
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Články v neimpaktovaných časopisech

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Články ve sborníku

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- Hulva P, Bolfíková B, Říhová J, Smetanová M, Kutal M (2012) Krajinná genetik vlka obecného v Západních Karpatech. In: Kutal M. (Ed.), Velké šelmy a jejich migrační koridory v Západních Karpatech. Hnutí DUHA Olomouc, Olomouc. ISBN: 978-80-904530-3-6
- Hulva P (2011) Ecce Homo – opice nahá, zabijácká a domácí. In: Tlapák P. (Ed.), Sborník konference Tonus 2011. ARSCI, Praha.