

## Papers in journals with impact factor (2016)

Authors explicitly affiliated to the Institute of Parasitology are emboldened

1. AASE A., **HAJDUŠEK O.**, ØINES Ø., QUARSTEN H., WILHELMSSON P., HERSTAD T.K., KJELLAND V., **ŠÍMA R.**, **JALOVECKÁ M.**, LINDGREN P.-E., AABERG I.S. 2016: Validate or falsify: lessons learned from a microscopy method claimed to be useful for detecting *Borrelia* and *Babesia* organisms in human blood. *Infectious Diseases* 48: 411–419. [IF=1.119]
2. AKHOUNDI M., KUHL S., CANNET A., **VOTÝPKA J.**, MARTY P., DELAUNAY P., SERENO D. 2016: A historical overview of the classification, evolution, and dispersion of *Leishmania* parasites and sandflies (review). *PLoS Neglected Tropical Diseases* 10: e0004349. [IF=3.834]
3. **ALAMA-BERMEJO G.**, **JIRKŮ M.**, **KODÁDKOVÁ A.**, **PECKOVÁ H.**, **FIALA I.**, **HOLZER A.S.** 2016: Species complexes and phylogenetic lineages of *Hoferellus* (Myxozoa, Cnidaria) including revision of the genus: a problematic case for taxonomy. *Parasites & Vectors* 9: 13. [IF=3.080]
4. ALKHALDI A.A.M., **MARTÍNEK J.**, **PANICUCCI B.**, DARDONVILLE C., **ZÍKOVÁ A.**, DE KONING H.P. 2016: Trypanocidal action of bisphosphonium salts through a mitochondrial target in bloodstream form *Trypanosoma brucei*. *International Journal for Parasitology: Drugs and Drug Resistance* 6: 23–34. [IF=4.809]
5. ASSUMPCÃO T.C., MA D., MIZURINI D.M., KINI R.M., RIBEIRO J.M., **KOTSYFAKIS M.**, MONTEIRO R.Q., FRANCISCETTI I.M. 2016: *In vitro* mode of action and anti-thrombotic activity of boophilin, a multifunctional Kunitz protease inhibitor from the midgut of a tick vector of babesiosis, *Rhipicephalus microplus*. *PLoS Neglected Tropical Diseases* 10: e0004298. [IF=3.834]
6. D'AVILA-LEVY C., **YURCHENKO V.**, **VOTÝPKA J.**, GRELLIER P. 2016: Protist collections: essential for future research. *Trends in Parasitology* 32: 840–842. [IF=6.333]
7. **BASU S.**, **HORÁKOVÁ E.**, **LUKEŠ J.** 2016: Iron-associated biology of *Trypanosoma brucei*. *Biochimica et Biophysica Acta - General Subjects* 1860: 363–370. [IF=4.702]
8. BENZ C., **KOVÁŘOVÁ J.**, **KRÁLOVÁ-HROMADOVÁ I.**, PIERIK A.J., **LUKEŠ J.** 2016: Roles of the Nfu Fe-S targeting factors in the trypanosome mitochondrion. *International Journal for Parasitology* 46: 641–651. [IF=3.730]
9. BORN-TORRIJOS A., POULIN R., PÉREZ-DEL-OLMO A., CULURGIONI J., RAGA J.A., **HOLZER A.S.** 2016: An optimised multi-host trematode life cycle: fishery discards enhance trophic parasite transmission to scavenging birds. *International Journal for Parasitology* 46: 745–753. [IF=3.730]
10. BORN-TORRIJOS A., RAGA J.A., **HOLZER A.S.** 2016: Trematode maturation patterns in a migratory snail host: what happens during upshore residency in a Mediterranean lagoon? *Parasitology Research* 115: 547–285. [IF=2.329]
11. **BRABEC J.**, **KUCHTA R.**, **SCHOLZ T.**, LITTLEWOOD D.T.J. 2016: Paralogues of nuclear ribosomal genes conceal phylogenetic signal within the invasive Asian fish tapeworm lineage: evidence from next generation sequencing data. *International Journal for Parasitology* 46: 555–562 [IF=3.730]
12. BRISCOE A.G., BRAY R.A., **BRABEC J.**, LITTLEWOOD D.T.J 2016: The mitochondrial genome and ribosomal operon of *Brachycladium goliath* (Digenea: Brachycladiidae) recovered from a stranded minke whale. *Parasitology International* 65: 271–275. [IF=1.744]
13. BROŽOVÁ K., HRAZDILOVÁ K., SLANINKOVÁ E., **MODRÝ D.**, **ČERNÝ J.**, CELER V. 2016: Genetic and phylogenetic characterization of novel bocaparvovirus infecting chimpanzee. *Infection, Genetics and Evolution* 37: 230–236. [IF=2.885]
14. CABEZAS-CRUZ A., ALBERDI P., AYLLÓN N., **VALDÉS J.J.**, PIERCE R., VILLAR M., DE LA FUENTE J. 2016: *Anaplasma phagocytophilum* increases the levels of histone modifying enzymes to inhibit cell apoptosis and facilitate pathogen infection in the tick vector *Ixodes scapularis*. *Epigenetics* 11: 303–319. [IF=4.394]

15. CABEZAS-CRUZ A., TONK M., BOUCHUT A., PIERROT C., PIERCE R.J., KOTSYFAKIS M., RAHNAMAEIAN M., VILCINSKAS A., KHALIFE J., VALDÉS J.J. 2016: Antiplasmodial activity is an ancient and conserved feature of tick defensins. *Frontiers in Microbiology* 7: 1682. [IF=4.076]
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18. CAISOVÁ V., VIERU A., KUMŽÁKOVÁ Z., GLASEROVÁ S., HUSNÍKOVÁ H., VÁCOVÁ N., KREJČOVÁ G., PAĐOUKOVÁ L., JOCHMANOVÁ I., WOLF K.I., CHMELARĚ J., KOPECKÝ J., ŽENKA J. 2016: Innate immunity based cancer immunotherapy: B16-F10 murine melanoma model. *BMC Cancer* 16: 940. [IF=3.288]
19. CANTATORE D.M., IRIGOITIA M.M., HOLZER A.S., TIMI J.T. 2016: Myxozoans as biological tags for stock identification of the Argentine hake, *Merluccius hubbsi* (Gadiformes: Merlucciidae). *Parasitology* 143: 732–740. [IF=2.713]
20. CENCI U., MOOG D., CURTIS B.A., TANIFUJI G., EME L., LUKEŠ J., ARCHIBALD J.M. 2016: Heme pathway evolution in kinetoplastid protists. *BMC Evolutionary Biology* 16: 109. [IF=3.221]
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25. CHMELARĚ J., KOTÁL J., KARIM S., KOPÁČEK P., FRANCISCHETTI I.M., PEDRA J.H., KOTSYFAKIS M. 2016: Sialomes and mialomes: a systems-biology view of tick tissues and tick-host interactions. *Trends in Parasitology* 32: 242–254. [IF=6.333]
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32. DANIEL M., DANIELOVÁ V., KRÍŽ B., **RŮŽEK D.**, FIALOVÁ A., MALÝ M., MATERNA J., PEJČOCH M., **ERHART J.** 2016: The occurrence of *Ixodes ricinus* ticks and important tick-borne pathogens in areas with high tick-borne encephalitis prevalence in different altitudinal levels of the Czech Republic. Part I. *Ixodes ricinus* ticks and tick-borne. encephalitis virus. *Epidemiologie, Mikrobiologie, Imunologie* 65: 118–128. [IF=0.500]
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35. DRINI S., CRISCUOLO A., LECHAT P., IMAMURA H., **SKALICKÝ T.**, RACHIDI N., **LUKEŠ J.**, DUJARDIN J.C., SPÄTH G.F. 2016: Species- and strain-specific adaptation of the HSP70 super family in pathogenic trypanosomatids. *Genome Biology and Evolution* 8: 1980–1995. [IF=3.979]
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42. FERNÁNDEZ-ALVAREZ A., **MODRÝ D.**, FORONDA P. 2016: A new species of *Eimeria* Schneider, 1875 (Apicomplexa: Eimeriidae) from *Alectoris barbara* (Aves: Phasianidae) from the Canary Islands (Spain). *Parasitology Research* 115: 1817–1825. [IF=2.329]
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55. GOMEZ A., **PETRŽELKOVÁ K.J.**, BURNS M.B., YEOMAN C.J., AMATO K.R., VLČKOVÁ K., **MODRÝ D.**, TODD A., ROBINSON C.A.J., REMIS M.J., TORRALBA M.G., MORTON E., UMAN J.D., CARBONERO F., GASKINS H.R., NELSON K.E., WILSON B.A., STUMPF R.M., WHITE B.A., LEIGH S.R., BLEKHMANN R. 2016: Gut microbiome of coexisting BaAka Pygmies and Bantu reflects gradients of traditional subsistence patterns. *Cell Reports* 14: 1–12. [IF=8.282]

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