

## TEN MOST RECENT PUBLICATUONS (October 2021)

**Unexpected organellar locations of ESCRT machinery in *Giardia intestinalis* and complex evolutionary dynamics spanning the transition to parasitism in the lineage Fornicata**, Pipaliya SW, Santos R, Salas-Leiva D, Balmer EA, Wirnam CD, Roger AJ, Hehl AB, Faso C, Dacks JB. BMC Biol. 2021, 19(1):167. doi: 10.1186/s12915-021-01077-2.

**Structural insights into an atypical secretory pathway kinase crucial for *Toxoplasma gondii* invasion**. Lentini G, Ben Chaabene R, Vadas O, Ramakrishnan C, Mukherjee B, Mehta V, Lunghi M, Grossmann J, Maco Bohumil, Visentin R, Hehl AB, Korkhov VM, Soldati-Favre D, Nat. Commun. 2021, 2(1):3788. doi: 10.1038/s41467-021-24083-y.

**Recent achievements and doors opened for coccidian parasite research and development through transcriptomics of enteric sexual stages**. Ramakrishnan C, Smith NC. Mol. Biochem. Parasitol. 2021, 243:111373. doi: 10.1016/j.molbiopara.2021.111373.

**A streamlined CRISPR/Cas9 approach for fast genome editing in *Toxoplasma gondii* and *Besnoitia besnoiti***, Winiger RR, Hehl AB, J. Biol. Methods 2020, 7(4):e140. doi: 10.14440/jbm.2020.343. eCollection 2020.

**RNA-Seq Analyses Reveal That Endothelial Activation and Fibrosis Are Induced Early and Progressively by *Besnoitia besnoiti* Host Cell Invasion and Proliferation**. Jiménez-Meléndez A, Ramakrishnan, C, Hehl AB, Russo G, Álvarez-García G. Front Cell Infect Microbiol. 2020, 10:218. doi: 10.3389/fcimb.2020.00218.

**Phosphoinositide-binding proteins mark, shape and functionally modulate highly-diverged endocytic compartments in the parasitic protist *Giardia lamblia***. Cernikova L, Faso C, Hehl AB. PLoS Pathog. 2020, 16(2):e1008317. doi: 10.1371/journal.ppat.1008317.

**Functional and Computational Genomics Reveal Unprecedented Flexibility in Stage-Specific *Toxoplasma* Metabolism**. Krishnan A, Kloehn j, Lunghi M, Chiappino-Pepe A, Waldman BS, Nicolas D, Varesio E, Hehl A, Lourido S, Hatzimanikatis V, Soldati-Fabre D. Cell Host Microbe 2020, 27(2):290-306.e11. doi: 10.1016/j.chom.2020.01.002.

**A cytonaut's guide to protein trafficking in *Giardia lamblia***. Faso C, Hehl AB. Adv. Parasitol. 2019, 106:105-127. doi: 10.1016/bs.apar.2019.08.001.

**Roles of Phosphoinositides in Their binding Proteins in Parasitic Protozoa**. Cernikova L, Faso C, Hehl AB. Trends Parasitol. 2019, 35(12):996-1008. doi.org/10.1016/j.pt.2019.08.008

**An experimental genetically attenuated live vaccine to prevent transmission of *Toxoplasma gondii* by cats**. Ramakrishnan C, Maier S, Walker RA, Rehrauer H, Joekel DE, Winiger RR, Basso WU, Grigg ME, Hehl AB, Deplazes P, Smith NC. Sci Rep. 2019, 9(1):1474. doi: 10.1038/s41598-018-37671-8.