

Publications and contributions

* shared 1st authorship

2017

Ritler D, Rufener R, Sager H, Bouvier J, Hemphill A and **B Lundström-Stadelmann**. [Development of a movement-based in vitro screening assay for the identification of new anti-cestodal compounds.](#) PLoS Negl Trop Dis. 2017 May 17;11(5):e0005618. doi: 10.1371/journal.pntd.0005618.

Gorgas D, Marreros N, Rufener R, Hemphill A and **B Lundström-Stadelmann**. [To see or not to see: non-invasive imaging for improved readout of drug treatment trials in the murine model of secondary alveolar echinococcosis.](#) Parasitology. 2017 Jun;144(7):937-944. doi: 10.1017/S0031182017000051.

2016

Stadelmann B, Rufener R, Aeschbacher D, Spiliotis M, Gottstein B, Hemphill A. [Screening of the Open Source Malaria Box Reveals an Early Lead Compound for the Treatment of Alveolar Echinococcosis.](#) PLoS NTD. 2016. Mar 11;10(3):e0004535. doi: 10.1371/journal.pntd.0004535.

2015

Küster T*, **Stadelmann B***, Rufener R, Risch C, Müller J, Hemphill A. [Oral treatments of Echinococcus multilocularis-infected mice with the antimalarial drug mefloquine that potentially interacts with parasite ferritin and cystatin.](#) Int J Antimicrob Agents. 2015 Nov;46(5):546-51. doi: 10.1016/j.ijantimicag.2015.07.016.

2014

Hemphill A, **Stadelmann B**, Rufener R, Spiliotis M, Boubaker G, Müller J, Müller N, Gorgas D, Gottstein B. [Treatment of echinococcosis: albendazole and mebendazole--what else?](#) Parasite. 2014. doi: 10.1051/parasite/2014073.

Stadelmann B, Aeschbacher D, Huber C, Spiliotis M, Müller J, Hemphill A. [Profound Activity of the Anti-cancer Drug Bortezomib against Echinococcus multilocularis Metacestodes Identifies the Proteasome as a Novel Drug Target for Cestodes.](#) PLoS Neglected Tropical Diseases. 2014 Dec 4; 8(12):e3352. doi: 10.1371/journal.pntd.0003352.

Hemer S, Konrad C, Spiliotis M, Schaack D, Förster S, Gelmedin V, **Stadelmann B**, Dandekar T, Hemphill A, Brehm K. [Host insulin stimulates Echinococcus multilocularis insulin signalling pathways and larval development.](#) BMC Biology. 2014. Jan 27; 12:5. doi: 10.1186/1741-7007-12-5.

Küster T, **Stadelmann B**, Aeschbacher D, Hemphill A. [Activities of fenbendazole in comparison with albendazole against Echinococcus multilocularis metacestodes in vitro and in a murine infection](#)

[model](#). International Journal of Antimicrobial Agents. 2014.Apr;43(4):335-42. doi: 10.1016/j.ijantimicag.2014.01.013.

Stadelmann B, Hanevik K, Andersson MK, Bruserud O, Svärd SG. [The role of arginine and arginine-metabolizing enzymes during *Giardia* -- host cell interactions in vitro](#). BMC microbiology. 2013 Nov 14; 13:256. doi: 10.1186/1471-2180-13-256.

Küster T, Kriegel N, **Stadelmann B**, Wang X, Dong Y, Vennerstrom J, Keiser, Hemphill A. [Amino ozonides exhibit in vitro activity against *Echinococcus multilocularis* metacestodes](#). International Journal of Antimicrobial Agents. 2014 Jan; 43(1):40-6. doi: 10.1016/j.ijantimicag.2013.09.012.

2012

Stadelmann B, Merino MC, Persson L, Svärd SG. [Arginine consumption by the intestinal parasite *Giardia intestinalis* reduces proliferation of intestinal epithelial cells](#). PLoS One. 2012; 7(9). doi: 10.1371/journal.pone.0045325.

Jerlström-Hultqvist J, **Stadelmann B**, Birkestedt S, Hellman U, Svärd SG. [Plasmid vectors for proteomic analyses in *Giardia*: purification of virulence factors and analysis of the proteasome](#). Eukaryotic Cell. 2012 Jul; 11(7):864-73. doi: 10.1128/EC.00092-12.

2011

Stadelmann B*, Küster T*, Scholl S, Barna F, Kropf C, Keiser J, Boykin DW, Stephens CE, Hemphill A. [In vitro efficacy of di-cationic compounds and mefloquine-enantiomers against *Echinococcus multilocularis* metacestodes](#). Antimicrobial Agents and Chemotherapy. 2011 Oct; 55(10):4866-72. doi: 10.1128/AAC.00478-11.

Küster T*, **Stadelmann B***, Hermann C, Scholl S, Keiser J, Hemphill A. [In vitro and in vivo efficacies of mefloquine-based treatment against alveolar echinococcosis](#). Antimicrobial Agents and Chemotherapy. 2011 Feb; 55(2):713-21. doi: 10.1128/AAC.01392-10.

2010

Stadelmann B, Spiliotis M, Müller J, Scholl S, Müller N, Gottstein B, Hemphill A. [Echinococcus multilocularis phosphoglucose isomerase \(EmPGI\): a glycolytic enzyme involved in metacestode growth and parasite-host cell interactions](#). International Journal of Parasitology. 2010 Nov; 40(13):1563-74. doi: 10.1016/j.ijpara.2010.05.009.

Stadelmann B, Scholl S, Müller J, Hemphill A. [Application of an in vitro drug screening assay based on the release of phosphoglucose isomerase to determine the structure-activity relationship of](#)

[thiazolides against *Echinococcus multilocularis* metacestodes](#). Journal of Antimicrobial Chemotherapy. 2010 Mar; 65(3):512-9. doi: 10.1093/jac/dkp490.

Stadelmann B. "To be or not to be": the importance and application of EmPGI in alveolar echinococcosis. 2010. PhD thesis, Vetsuisse Faculty and Faculty of Medicine, University of Berne, Switzerland. http://www.zb.unibe.ch/download/eldiss/10stadelmann_b.pdf

2009

Hemphill A, **Stadelmann B**, Scholl S, Müller J, Spiliotis M, Müller N, Gottstein B, Siles-Lucas M. [Echinococcus metacestodes as laboratory models for the screening of drugs against cestodes and trematodes](#). Parasitology. 2010 Mar; 137(3):569-87. doi: 10.1017/S003118200999117X.

Müller J, Limban C, **Stadelmann B**, Missir AV, Chirita IC, Chifiriuc MC, Nitulescu GM, Hemphill A. [Thioureides of 2-\(phenoxyethyl\)benzoic acid 4-R substituted: a novel class of anti-parasitic compounds](#). Parasitology International. 2009 Jun; 58(2):128-35. doi: 10.1016/j.parint.2008.

2008

Spicher M, Roethlisberger C, Lany C, **Stadelmann B**, Keiser J, Ortega-Mora LM, Gottstein B, Hemphill A. [In vitro and in vivo treatments of echinococcus protoscoleces and metacestodes with artemisinin and artemisinin derivatives](#). Antimicrobial Agents and Chemotherapy. 2008 Sep; 52(9):3447-50. doi: 10.1128/AAC.00553-08.

2007

Hemphill A, Spicher M, **Stadelmann B**, Mueller J, Naguleswaran A, Gottstein B, Walker M. [Innovative chemotherapeutical treatment options for alveolar and cystic echinococcosis](#). Parasitology. 2007 Nov;134 (Pt 12):1657-70. Epub 2007 Jul 16. Review.