Saša Štefanić, PhD, DVM *Curriculum Vitae*

Zoonoses & Translational Research

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Research interests: parasite vaccine development, camelid heavy chain single domain antibodies

Education

01/2004 – 02/2008	PhD study, Vetsuisse Faculty and Graduate School for Cellular and Biomedical Sciences, Universities of Zurich and Bern, Switzerland (promoted on July 8th 2008).
06/2002 – 11/2003	DVM Dissertation, Vetsuisse Faculty, University of Zurich, Switzerland (promoted on August 20th 2004).
09/1991 – 02/2002	Studies of Veterinary Medicine, Veterinary Faculty, University of Zagreb, Croatia (promoted on Feb 15th 2002)

Professional experience

09/2010 – present	Postdoctoral Research Associate, Parasitic Zoonoses group at the Institute of Parasitology, Vetsuisse Faculty, University of Zurich, Switzerland.
05/2008 – 04/2010	Postdoctoral fellow at the Sandler Center for Basic Research in Parasitic Diseases, University of California, San Francisco, USA.
07/2007 – 02/2008	Research Associate at the Institute of Parasitology, University of Zurich, Switzerland

Fellowships, grants and awards

2012 Sciex-NMS research fellowship to MSc. Lenka Urlychova, "Proteolytic enzymes and inhibitors of trematode parasite *Schistosoma mansoni*", 07/2012 – 07/2013

2011 University of Zurich research grant: "Forschungskredit", "Applying combinatorial technology in search for vaccine and drug targets in *Fasciola hepatica*", 07/2011 – 07/2012

2008 Swiss National Science Foundation: "Prospective Researcher Fellowship" Functional analysis of cathepsine proteases in the gut of *Schistosoma mansoni*", 06/2008 – 06/2009

Publications in peer-reviewed journals

"Inhibition of *Haemonchus contortus* larval development by fungal lectins". Heim C, Hertzberg H, Butschi A, Bleuler-Martinez S, Aebi M, Deplazes P, Künzler M, **Štefanić S.** Parasit Vectors. 2015 Aug 19;8(1):425. doi: 10.1186/s13071-015-1032-x.

"Prolyl Oligopeptidase from the Blood Fluke *Schistosoma mansoni*: From Functional Analysis to Anti-schistosomal Inhibitors." Fajtová P, **Štefanić S**, Hradilek M, Dvořák J, Vondrášek J, Jílková A, Ulrychová L, McKerrow JH, Caffrey CR, Mareš M, Horn M. PLoS Negl Trop Dis. 2015 Jun 3;9(6):e0003827. doi: 10.1371/journal.pntd.0003827. eCollection 2015 Jun

"RNA interference in *Schistosoma mansoni* schistosomula: selectivity, sensitivity and operation for larger-scale screening". **Stefanic S,** Dvorak J, Horn M, Braschi S, Sojka D, Ruelas DS, Suzuki B, Lim KC, Hopkins SD, McKerrow JH, Caffrey CR. PLoS Negl Trop Dis. 2010 Oct 19;4(10):e850.

"Glucosylceramide synthesis inhibition affects cell cycle progression, membrane trafficking and stage differentiation in *Giardia lamblia*". **Stefanic S**, Spycher C, Morf L, Fabrias G, Casas J, Schraner E, Wild P, Hehl AB and Sonda S. J Lipid Res. 2010 Sep;51(9):2527-45. Epub 2010 Mar 24.

"A contiguous compartment functions as endoplasmic reticulum and endosome/lysosome in *Giardia lamblia*". Abodeely M, DuBois KN, Hehl AB, **Stefanic S**, Sajid M, DeSouza W, Attias M, Engel JC, Hsieh I, Fetter RD, McKerrow JH. Eukaryot Cell. 2009 Nov;8(11):1665-76. Epub 2009 Sep 11.

"Neogenesis and maturation of transient Golgi-like cisternae in a simple eukaryote". **Stefanic S**, Morf L, Kulangara C, Regos A, Sonda S, Schraner E, Spycher C, Wild P, Hehl AB. J Cell Sci. 2009 Aug 15;122(Pt 16):2846-56. Epub 2009 Jul 21.

"Host cell P-glycoprotein is essential for cholesterol uptake and replication of *Toxoplasma gondii*". Bottova I, Hehl AB**, Stefanic S**, Fabriàs G, Casas J, Schraner E, Pieters J, Sonda S, J Biol Chem. 2009 Jun 26;284(26):17438-48. Epub 2009 Apr 22.

"A sphingolipid inhibitor induces a cytokinesis arrest and blocks stage differentiation in *Giardia lamblia*". Sonda S, **Stefanic S**, Hehl AB. Antimicrobial Agents and Chemoterapy. Antimicrob Agents Chemother. 2008 Feb;52(2):563-9. Epub 2007 Dec 17.

"Organelle proteomics reveals cargo maturation mechanisms associated with Golgi-like encystation vesicles in the early-diverged protozoan *Giardia lamblia*". **Stefanic S**, Palm D, Svard SG, Hehl AB. J Biol Chem. 2006 Mar 17;281(11):7595-604. Epub 2006 Jan 3.

"Polymerase chain reaction for detection of patent infections of *Echinococcus granulosus* ("sheep strain") in naturally infected dogs". **Stefanic S**, Shaikenov BS, Deplazes P, Dinkel A, Torgerson PR, Mathis A. Parasitol Res. 2004 Mar;92(4):347-51. Epub 2004 Jan 16.