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PhD

Supervised by Prof. Dr. Adrian Hehl, Institute of Parasitology, University of Zurich

Cyst wall formation- a persistent challenge in toxoplasmosis

The focus of this project lies on a forward genetics approach to identify *Toxoplasma gondii* genes that are expressed in a tissue cyst specific manner and are essential for building the cyst wall and maintaining its structural and/or functional integrity. Applied methods include cell and parasite culture, CRISPR-Cas9, high-throughput imaging and image analysis, nanobody expression and purification as well as bio- and immunochemical assays.

Employment

2015	Pharmacist, Deputy CEO, Sternen Apotheke, Altstätten
2014	“Pharmacists without borders”, Madagascar
2013	Pharmacist, CEO ad interim, Passage Apotheke AG, Frauenfeld
2012	Pharmacist, Passage Apotheke AG, Frauenfeld

Higher Education

2011	Diploma State Examination, Eidg. dipl. Apothekerin Master of Science in Pharmacy
2010/11	Assistantship, Apotheke Dr. Bütikofer, Wattwil
2010	Master thesis <i>Identification of Chemicals that Modify Steroid Hormone Action</i> , Supervised by Prof. Dr. Alex Odermatt, Department of Pharmaceutical Sciences, Institute of Molecular and Systems Toxicology, University of Basel
2009	Bachelor of Science in Pharmacy, University of Basel

Publications

Ramakrishnan C, Maier S, Walker RA, Rehrauer H, Joekel DE, Winiger RR, Basso WU, Grigg ME, Hehl AB, Deplazes P, Smith NC, An experimental genetically attenuated live vaccine to prevent transmission of *Toxoplasma gondii* by cats, *Sci Rep.* 2019 Feb 6;9(1):1474

Nashev LG, Vuorinen A, Praxmarer L, Chantong B, Cereghetti D, Winiger R, Schuster D, Odermatt A, Virtual screening as a strategy for the identification of xenobiotics disrupting corticosteroid action, *PLoS One*, 2012;7(10):e46958