

Curriculum Vitae Britta Lundström-Stadelmann

Personal information

First and last name	Britta Lundström-Stadelmann
Current position	Professor, Co-Director Institute of Parasitology
	President , Swiss Society of Tropical Medicine and Parasitology (SSTMP)
Address	Institute of Parasitology Länggassstrasse 122 3012 Bern, Switzerland
Phone	+41 31 / 684 2415
E-mail	britta.lundstroem@vetsuisse.unibe.ch
OrcID	0000-0003-2672-5766
Google scholar	Google scholar
Languages	German, English, Swedish, French
Webpage	Institute of Parasitology SSTMP

Academic education

Apr. 2018	Habilitation , "Strategies for the identification of novel treatment options against parasitic diseases", Vetsuisse Faculty, University of Bern, CH
Feb. 2010	PhD degree , Graduate School for Cellular and Biomedical Sciences, University of Berne CH
Feb. 2007 – Feb. 2010	Graduate School for Cellular and Biomedical Sciences , University of Bern, CH
Dec. 2006	Master of Science with major in Cell Biology, University of Bern, CH
Nov. 2005 – Dec. 2006	Diploma work at the Institute of Parasitology, University of Bern, CH
Oct. 2004 – Jul. 2005	Main studies in Microbiology and Immunology , University of Bern, CH
Oct. 2002 – Jul. 2004	Basic studies in Biology , University of Bern, CH

Positions

Aug. 2019 – current	Extraordinary Professor in Parasitology and Co-Director of Institute of Parasitology , Vetsuisse Faculty, University of Bern, CH, 60 %, tenure.
Nov. 2015 – Jul. 2019	Assistant Professor Host-pathogen interactions , non-tenure, Project title: "starving a deadly pathogen, the metabolism of the fox tapeworm <i>Echinococcus multilocularis</i> and its effects on host cells" and "Development of novel <i>in vitro</i> screening methods" (collaboration with Elanco, CH), Vetsuisse Faculty, University of Bern, CH
Jan. 2013 – Oct. 2015	PostDoc position at Institute of Parasitology, project titles: " <i>Echinococcus multilocularis</i> and alveolar echinococcosis: immunomodulatory mechanisms as potential target for immuno- and chemotherapeutical intervention" and "Search for novel immuno- and chemotherapeutical approaches to treat alveolar echinococcosis" (both funded by SNSF to B. Gottstein and A.

May 2010 – Nov. 2012	Hemphill) and “Development of novel <i>in vitro</i> screening methods” (funded by Novartis/Elanco, CH), University of Bern, CH, 80%
Feb. 2007 – Feb. 2010	PostDoc position at Institute of Cell and Molecular Biology, Biomedical Centre Uppsala, SNSF Fellowship for Prospective Researcher, project title: “Characterization of pathogenicity factors of the intestinal parasite <i>Giardia lamblia</i> ”, group of S. Svärd, University of Uppsala, SE
Nov. 2005 – Dec. 2006	PhD thesis: “To be or not to be – the importance and applications of EmPGI in alveolar echinococcosis”, group of A. Hemphill, Institute of Parasitology, University of Bern, CH
	Diploma work: “isolation and characterization of <i>Echinococcus multilocularis</i> laminated layer”, group of A. Hemphill, Institute of Parasitology, University of Bern, CH

Grants & Fellowships

Competitive

Aug. – Oct. 2023	SNSF Scientific Exchanges project IZSEZ0_218861, “Molecular basis of parasitism – toward new disease interventions”, with Prof. R. Gasser, 6'400 CHF
2023	Forschungsstiftung UniBe , Bern, CH “An improved screening method for the discovery of drugs against foodborne flatworms”, 8'123 CHF
2023 – 2027	Gottfried and Julia Bangerter-Rhyner-Stiftung , Bern, CH, “novel therapy against the fox tapeworm”, 50'000 CHF
2023 – 2024	UniBe ID Grant , “Role of IL-33 in alveolar echinococcosis”, Co-applicant with Prof. Dr. P. Krebs, 150'000 CHF
2023 – 2027	Uniscientia Foundation , Vaduz, “novel therapy against the fox tapeworm”, 240'000 CHF
Apr. 2020 – Mar. 2024	Swiss National Science Foundation (SNSF) project 310030_192072, “Energy-generating pathways of the parasite Echinococcus multilocularis and their potential for novel, targeted treatments against alveolar echinococcosis”, Bern, CH, 700'000 CHF
Feb. 2019 – Jan. 2020	Novartis Foundation for medical-biological Research , Basel, CH, “Dual inhibition of the Echinococcus multilocularis energy metabolism as a novel concept for future treatment of alveolar echinococcosis”, 60'000 CHF
Apr. 2018 – Mar. 2020	Swiss National Science Foundation (SNSF) project 31003A_179439, “Targeting the metabolism of Echinococcus multilocularis for the development of novel drug treatments and immunotherapeutic tools”, Bern, CH, 350'000 CHF
Nov. 2016 - Jan. 2020	Gottfried and Julia Bangerter-Rhyner-Stiftung , Bern, CH, “Starving a deadly pathogen: The metabolism of the fox tapeworm <i>Echinococcus multilocularis</i> ”, 100'000 CHF
Dec. 2015 – Mar. 2018	COST CM1307 grant , co-applicant, through SBFI (Staatssekretariat für Bildung, Forschung und Innovation), CH, “Anti-malarials for the chemotherapeutical treatment of Alveolar Echinococcosis (infection with the larval stage of the fox tapeworm <i>Echinococcus multilocularis</i>)”, 189'000 CHF
Feb. 2012	FEMS travel grant , Federation of European Microbiological Societies, 500 EUR
Aug. 2010 – Jul. 2011	Fellowship for Prospective Researchers , SNSF (Swiss National Science Foundation), “Characterization of pathogenicity factors of the intestinal parasite <i>Giardia lamblia</i> ”, Uppsala University, Uppsala, SE, 42'500 CHF

Feb. 2009 – Jan. 2010	PhD grant from the Karl Enigk Stiftung , Tierärztliche Hochschule, Hannover, D, „Wirts-Parasit-Interaktionen bei einer Infektion mit <i>Echinococcus multilocularis</i> Metazestoden”, 16'800 EUR
Aug. 2010	DGP travel grant , Deutsche Gesellschaft für Parasitologie, D, 1'000 USD
Feb. 2008 – Jan. 2009	PhD grant from the Karl Enigk Stiftung , Tierärztliche Hochschule, Hannover, D, „Wirts-Parasit-Interaktionen bei einer Infektion mit <i>Echinococcus multilocularis</i> Metazestoden”, 16'800 EUR
June 2008	EMBO short term fellowship at the Institute of Hygiene and Microbiology, group of Prof. K. Brehm, University of Würzburg, D, 1'740 EUR
May 2007	SSTMP travel grant , Swiss Society of Tropical Medicine and Parasitology, 1'000 CHF

Competitive, extramural, as official collaborator

Jan. 2021- Dec. 2025	INSERM international research project , grant to PI Dr. S. Dion, University of Rennes, F, “NANOTHERA-ECHINO Project”, 60'000 EUR (5 years)
2020	Scientific Challenge funding from the University of Rennes , grant to PI Dr. S. Dion, University of Rennes, F, “Targeted therapy, a new therapeutic hope for alveolar echinococcosis”, 6'000 EUR (1 year)
2020	BIOSIT Rennes , grant to PI Dr. S. Dion, University of Rennes, F, “Targeted therapy, a new therapeutic hope for alveolar echinococcosis, <i>in vitro</i> evaluation”, 4'700 EUR (1 year)

Competitive grants for scientific meetings and others

Nov. 2022	SNSF scientific exchanges grant (IZSEZ0_214009), University of Bern and SSTMP, CH, 4400 CHF
Jan. – Dez. 2022	scnat contribution for the SSTMP, main applicant (as president SSTMP), CH, 18'100 CHF
Jan. – Dez. 2021	scnat contribution for the SSTMP, main applicant (as president SSTMP), CH, 12'300 CHF
Jan. – Dez. 2020	scnat contribution for the SSTMP, co-applicant, CH, 12'900 CHF
Jan. – Dez. 2019	scnat contribution for the SSTMP, co-applicant, CH, 13'400 CHF
May 2016	Fund for Promotion of Young Researchers , co-applicant, University of Bern, CH, 1'680 CHF
May 2016	Guillebeaud Fonds , co-applicant, Vetsuisse Faculty, University of Bern, CH, 1'500 CHF

Non-competitive

Apr. – Jul. 2023	Elanco , Basel, CH, “Development of novel <i>in vitro</i> screening methods”, 19'800 CHF
Jan. – Dec. 2020	Elanco , Basel, CH, “Development of novel <i>in vitro</i> screening methods”, 82'121 CHF
Jan. – Dec. 2019	Elanco , Basel, CH, “Development of novel <i>in vitro</i> screening methods”, 82'121 CHF
Jul. – Dec. 2016	Elanco , Basel, CH, co-applicant, “Development of novel <i>in vitro</i> screening methods”, 64'500 CHF

Jan. – Dec. 2015	Elanco , Basel, CH, co-applicant, “Development of novel <i>in vitro</i> screening methods”, 50'800 CHF
Jul. – Dec. 2014	Novartis Animal Health , St. Aubin, CH, co-applicant, “Development of novel <i>in vitro</i> screening methods”, 25'000 CHF

Awards

Mar. 2014	Poster Prize : New tools for treatment, Innovation of the Management of Echinococcosis, Besançon, France
Feb. 2012	Wenner Gren Travel Award , Wenner Gren Stiftelse, Stockholm SE, 14'000 SEK
Nov. 2011	Young Investigator Award , SSTMP (Swiss Society of Tropical Medicine and Parasitology), Basel, CH, 2'000 CHF
Mar. 2010	Young Scientist Award , DGP (Deutsche Gesellschaft für Parasitologie, 2nd price), Düsseldorf, D
Jun. 2002	Dr. Robert Huber Preis for best final exam MAR at the Literargymnasium of the Kantonsschule Lucerne, CH

Teaching

2018 – current	Lecture in molecular Parasitology, University of Bern, CH
2015 – current	Courses (lecture and microscopy) in Veterinary Parasitology, University of Bern, CH
2013 – current	Courses (lecture and microscopy) on Tropical Parasitoses, University of Bern, CH
2012 – 2016	Lectures and courses in infection biology, University of Uppsala, SE
2007 – current	Laboratory practicals (2-10 weeks) for biology students (Bachelor degree)

Reviewing and editorial boards

Publons Profile

<https://www.webofscience.com/wos/author/record/472512> (since 2017)

Organization of Meetings and Symposia

Mar. 2022	Echinococcus Symposium Bern-Würzburg, Weggis, CH
Dec. 2021	Scientific, ethical and emotional challenges of Animal Experimentation, Vetsuisse Bern, CH
2020 – current (annually)	Organizing Committee for annual conferences of the Swiss Society of Tropical Medicine and Parasitology (SSTMP), CH
Dec. 2019	Workshop on Emotional and Ethical challenges of Animal Experimentation, Vetsuisse Bern, CH
2016 – current (annually)	Scientific Committee for annual conferences of the Swiss Society of Tropical Medicine and Parasitology (SSTMP), CH
2016 – current (annually)	Annual PhD candidate meeting, co-organizer, Swiss Society of Tropical Medicine and Parasitology (SSTMP)
May 2016 & 2018	Host-Pathogen Interactions Symposium, co-organizer, Vetsuisse Faculty, University of Bern, CH 2016 funded by: Fund for Promotion of Young Researchers, University of Bern, CH, 1680 CHF, and Guillebeaud Fond, Vetsuisse Faculty, University of Bern, CH, 1500 CHF

Memberships

SGTP/SSTMP, Schweizerische Gesellschaft für Tropenmedizin und Parasitologie (Swiss Society for Tropical Medicine and Parasitology)
President since 2019
Vice president 2018-2019
Board member since 2015
Member since 2007

DGP, Deutsche Gesellschaft für Parasitologie (German Society for Parasitology)

SFM, Svenska föreningen för mikrobiologi (Swedish Society for Microbiology)

SGV, Schweizerische Gesellschaft für Versuchstierkunde (Swiss Laboratory Animal Science Association)