

**Personal data**

First, last names Caroline Franziska, Frey Marreros Canales  
Address Institute of Parasitology  
University of Bern  
Länggassstrasse 122  
CH-3012 Bern  
Switzerland  
Phone +41 (0)31 684 2418  
E-mail caroline.frey@unibe.ch

**Positions**

August 2019 – present **Co-Director** of the Institute of Parasitology, University of Bern, Switzerland. **Professor** for Veterinary Parasitology. Tenure.

May 2017 – June 2019 **Research Scientist** at the Centre for Food-borne and Animal Parasitology, Canadian Food Inspection Agency (**CFAP-CFIA**), Saskatoon, Canada.

June 2017 – present **Adjunct Professor** at the Department of Veterinary Microbiology, Western College of Veterinary Medicine (WCVM), University of Saskatchewan, Saskatoon, Canada.

Aug. 2013 – Apr. 2017 **Head of the veterinary diagnostic unit & Head of the National Reference Laboratory** (*Trichinella* spp., *Tritrichomonas foetus*, *Neospora caninum*, *Toxoplasma gondii*, *Trypanosoma equiperdum* and *Besnoitia besnoiti*) at the Institute of Parasitology, University of Bern, Switzerland. **Quality manager** (ISO 17025).

Apr. 2012 – Jul. 2013 **Research fellow** at Saluvet group, Complutense University, Madrid, Spain. **Fellowship for Prospective Researchers of the Swiss National Science Foundation**.

Apr. 2006 – Mar. 2012 **Head of the veterinary diagnostic unit & Head of the National Reference Laboratory** (*Trichinella* spp., *Tritrichomonas foetus*, *Neospora caninum*, *Toxoplasma gondii*, *Trypanosoma equiperdum*

and *Besnoitia besnoiti*) at the Institute of Parasitology, University of Bern, Switzerland. **Quality manager** (ISO 17025).

Mar. 2003 – Sept. 2003 **Clinical Assistant** at Kleintierpraxis Laupeneck in Bern, Switzerland

## Academic education

Oct. 2014 **Habilitation** at the Vetsuisse Faculty, University of Bern.  
Titel: Important veterinary parasitoses: development of diagnostic tests and their application in epidemiological studies in Switzerland

Dec. 2011 Board certification in Veterinary Parasitology (**Dipl. EVPC**)

Jan. 2007 – Nov. 2011 **Residency Program of the European Veterinary Parasitology College (EVPC)**

Apr. 2009 Specialization in Laboratory Diagnostics and Veterinary Parasitology (**FVH-diploma**, awarded by the Swiss Society of Veterinarians)

Jun. 2006 Award of the doctor title (**Dr. med. vet.**) by the Vetsuisse Faculty, University of Bern.

Jan. 2004 – Mar. 2006 **Doctoral thesis** at the Institute of Virology and Immunoprophylaxis (IVI) in Mithelhäusern. Topic: Development and evaluation of a recombinant against Classical Swine Fever vaccine

Dec. 2002 Award of the **Diploma as Veterinarian** by the Federal Department of Home Affairs

Sept. 1997 – Dec. 2002 **Studies of veterinary medicine** at University of Bern

## Awards

Dec. 2019: Recipient of the **Haller Medal** awarded by the University of Bern

## Member of Societies

World Association for the Advancement in Veterinary Parasitology (WAAVP)  
International Commission on Trichinellosis (ICT)  
European Scientific Counsel Companion Animal Parasites (ESCCAP) (Vice-president of ESCCAP Switzerland)  
European Veterinary Parasitology College (EVPC)  
Swiss Society of Veterinarians (GST)  
Swiss Society of Veterinary Laboratory Diagnosticians (SVVLD)  
Swiss Society of Tropical Medicine and Parasitology (SSTMP)

## Editorial board member

- Since 2015: Food and Waterborne Parasitology (FAWPAR). 2018/19: Managing guest editor for a FAWPAR Special Issue on zoonotic *Echinococcus* spp. (10 invited manuscripts)
- Since 2018: Parasitology; Veterinary Parasitology

## Publications in peer-reviewed journals

1. Furtado Jost R, Müller N, Marreros N, Moré G, Antoine L, Basso W, **Frey CF** (2023). What is the role of Swiss domestic cats in environmental contamination with *Echinococcus multilocularis* eggs? *Parasit Vectors*. 16(1):353. doi: 10.1186/s13071-023-05983-y.
2. Lüthin S, Zollinger A, Basso W, Bisig M, Caspari N, Eng V, **Frey CF**, Grimm F, Igel P, Lüthi S, Regli W, Roelfstra L, Roskopf M, Steiner B, Stöckli M, Waidyasekera D, Waldmeier P, Schnyder M, Torgerson PR, Hertzberg H (2023). Strongyle faecal egg counts in Swiss horses: A retrospective analysis after the introduction of a selective treatment strategy. *Vet Parasitol*. 323:110027. doi: 10.1016/j.vetpar.2023.110027.
3. Fereig RM, Jirapattharasate C, **Frey CF** (2023). Editorial: Recent trends in infection biology and control of protozoan parasites. *Front Cell Infect Microbiol*. 13:1292591. doi: 10.3389/fcimb.2023.1292591.
4. Scherrer P, Ryser-Degiorgis MP, Marti IA, Borel S, **Frey CF**, Mueller N, Ruetten M, Basso W (2023). Exploring the epidemiological role of the Eurasian lynx (*Lynx lynx*) in the life cycle of *Toxoplasma gondii*. *Int J Parasitol Parasites Wildl*. 21:1-10. doi: 10.1016/j.ijppaw.2023.03.005.
5. Jenkins EJ, Kolapo TU, Jarque MP, Ruschkowski C, **Frey C** (2023). Intestinal infection with *Echinococcus multilocularis* in a dog. *J Am Vet Med Assoc*. 261(9):1-3. doi: 10.2460/javma.23.02.0099.
6. Wolfer LA, Basso WU, **Frey CF**, Schuller S, Amphimaque B, Jankovic J, Howard J, Peters LM (2023). Biliary *Enterocytozoon bieneusi* infection in a dog under immunomodulatory therapy. *J Small Anim Pract*. 64(8):535-538. doi: 10.1111/jsap.13612.
7. Fereig RM, Ibrahim RM, Khalil AM, **Frey CF**, Khalifa FA (2023). Evaluation of Clinical and Biochemical Traits in Egyptian Barki Sheep with Different Growth Performances. *Animals (Basel)*. 13(6):962. doi: 10.3390/ani13060962.
8. Metwally S, Hamada R, Sobhy K, **Frey CF**, Fereig RM (2023). Seroprevalence and risk factors analysis of *Neospora caninum* and *Toxoplasma gondii* in cattle of Beheira, Egypt. *Front Vet Sci*. 10:1122092. doi: 10.3389/fvets.2023.1122092.
9. Pardo Gil M, Hegglin D, Briner T, Ruetten M, Müller N, Moré G, **Frey CF**, Deplazes P, Basso W (2023). High prevalence rates of *Toxoplasma gondii* in cat-hunted small mammals - Evidence for parasite induced behavioural manipulation in the natural environment? *Int J Parasitol Parasites Wildl*. 20:108-116. doi: 10.1016/j.ijppaw.2023.01.007.
10. Salama DB, Fereig RM, Abdelbaky HH, Shahat MS, Arafa WM, Aboelhadid SM, Mohamed AEA, Metwally S, Abas O, Suo X, Gupta N, **Frey CF** (2022). *Toxoplasma gondii* and *Neospora caninum* antibodies in dogs and cats from Egypt and risk factor analysis. *Pathogens*. 11(12):1464. doi: 10.3390/pathogens11121464.

11. Fereig RM, Wareth G, Abdelbaky HH, Mazeed AM, El-Diasty M, Abdelkhalek A, Mahmoud HYAH, Ali AO, El-Tayeb A, Alsayeqh AF, **Frey CF** (2022). Seroprevalence of specific antibodies to *Toxoplasma gondii*, *Neospora caninum*, and *Brucella spp.* in sheep and goats in Egypt. *Animals (Basel)*. 12(23):3327. doi: 10.3390/ani12233327.
12. Gliga DS, Basso W, Ardüser F, Moore-Jones G, Schares G, Zanolari P, **Frey CF** (2022). Switzerland-wide *Neospora caninum* seroprevalence in female cattle and identification of risk factors for infection. *Front Vet Sci*. 9:1059697. doi: 10.3389/fvets.2022.1059697.
13. Fereig RM, Abdelbaky HH, El-Alfy ES, El-Diasty M, Elsayed A, Mahmoud HYAH, Ali AO, Ahmed A, Mossaad E, Alsayeqh AF, **Frey CF** (2022). Seroprevalence of *Toxoplasma gondii* and *Neospora caninum* in camels recently imported to Egypt from Sudan and a global systematic review. *Front Cell Infect Microbiol*. 12:1042279. doi: 10.3389/fcimb.2022.1042279.
14. Rodenbücher AL, Walkenhorst M, Holinger M, Perler E, Amsler-Kepalaite Z, **Frey CF**, Mevissen M, Maurer V (2022). Pumpkin seeds, lemongrass essential oil and ripleaf leaves as feed additives for *Ascaridia galli* infected laying hens. *Vet Res Commun*. doi: 10.1007/s11259-022-10042-5.
15. Fereig RM, Abdelbaky HH, Mazeed AM, El-Alfy ES, Saleh S, Omar MA, Alsayeqh AF, **Frey CF** (2022). Prevalence of *Neospora caninum* and *Toxoplasma gondii* antibodies and DNA in raw milk of various ruminants in Egypt. *Pathogens*. 11(11):1305. doi: 10.3390/pathogens11111305.
16. Basso W, Holenweger F, Schares G, Müller N, Campero LM, Ardüser F, Moore-Jones G, **Frey CF**, Zanolari P (2022). *Toxoplasma gondii* and *Neospora caninum* infections in sheep and goats in Switzerland: Seroprevalence and occurrence in aborted fetuses. *Food Waterborne Parasitol*. 28:e00176. doi: 10.1016/j.fawpar.2022.e00176
17. **Frey CF**, Basso WU, Zürcher-Giovannini S, Marti I, Borel S, Guthruf S, Gliga D, Lundström-Stadelmann B, Origgi FC, Ryser-Degiorgis MP (2022). The golden jackal (*Canis aureus*): A new host for *Echinococcus multilocularis* and *Trichinella britovi* in Switzerland. *Schweiz Arch Tierheilkd*. 164(1):71-78. doi: 10.17236/sat00338.
18. Basso W, Marreros N, Hofmann L, Salvisberg C, Lundström-Stadelmann B, **Frey CF** (2022.) Evaluation of the PrioCHECK™ *Trichinella* AAD kit to detect *Trichinella spiralis*, *T. britovi*, and *T. pseudospiralis* larvae in pork using the automated digestion method Trichomatic-35. *Parasitol Int*. 86:102449. doi: 10.1016/j.parint.2021.102449.
19. Knapp J, Meyer A, Courquet S, Million L, Raoul F, Gottstein B, **Frey CF** (2021). *Echinococcus multilocularis* genetic diversity in Swiss domestic pigs assessed by EmsB microsatellite analyzes. *Vet Parasitol*. 293:109429.
20. Meyer A, Olias P, Schüpbach G, Henzi M, Barmettler T, Hentrich B, Gottstein B, **Frey CF** (2020). Combined cross-sectional and case-control study on *Echinococcus multilocularis* infection in pigs in Switzerland. *Vet Parasitol*. doi: 10.1016/j.vpoa.2020.100031
21. Dąbrowska J, Keller I, Karamon J, Kochanowski M, Gottstein B, Cencek T, **Frey CF**, Müller N (2020). Whole genome sequencing of a feline strain of *Tritrichomonas foetus* reveals massive genetic differences to bovine and porcine isolates. *Int J Parasitol*. S0020-7519(20)30029-1.
22. **Frey CF**, Oakley JR, Lobanov VA, Marreros N, Schurer JM, Lalonde LF (2019). A novel protocol to isolate, detect and differentiate taeniid eggs in leafy greens and berries using real-time PCR with melting curve analysis. *Parasit Vectors*. 12:590.

23. **Frey CF**, Jenkins E, Lundström-Stadelmann B (2019). Editorial overview: From farms and forests to forks? A review of diagnosis and management of globally important zoonotic *Echinococcus* spp. cestodes. *Food Waterborne Parasitol.* 16:e00061. doi: 10.1016/j.fawpar.2019.e00061.
24. Dąbrowska J, Karamon J, Kochanowski M, Gottstein B, Cencek T, **Frey CF**, Müller N (2019). Development and comparative evaluation of different LAMP and PCR assays for coprological diagnosis of feline tritrichomonosis. *Vet Parasitol.* 3:17-23.
25. Vidal S, Brandt BW, Dettwiler M, Abril C, Bressan J, Greub G, **Frey CF**, Perreten V, Rodriguez-Campos S (2018). Limited added value of fungal ITS amplicon sequencing in the study of bovine abortion. *Heliyon.* 4(11):e00915.
26. Akdesir E, Origgi FC, Wimmershoff J, Frey J, **Frey CF**, Ryser-Degiorgis MP (2018). Causes of mortality and morbidity in free-ranging mustelids in Switzerland: necropsy data from over 50 years of general health surveillance. *BMC Vet Res.* 14:195.
27. Christen G, Gerber V, van der Kolk JH, **Frey CF**, Fouché N (2018). Fecal strongyle egg counts in horses with suspected pre-clinical pituitary pars intermedia dysfunction before and after treatment with pergolide. *Vet J.* 2018 5:60-62.
28. **Frey CF**, Eicher R, Raue K, Strube C, Bodmer M, Hentrich B, Gottstein B, Marreros N (2018). Apparent prevalence of and risk factors for infection with *Ostertagia ostertagi*, *Fasciola hepatica* and *Dictyocaulus viviparus* in Swiss dairy herds. *Vet Parasitol.* 250:52-59.
29. **Frey CF**, Marreros N, Renneker S, Schmidt L, Sager H, Hentrich B, Milesi S, Gottstein B (2017). Dogs as victims of their own worms: Serodiagnosis of canine alveolar echinococcosis. *Parasit Vectors.* 10:422.
30. **Frey CF**, Müller N, Stäuber N, Marreros N, Hofmann L, Hentrich B, Hirsbrunner G (2017). *Simplicimonas*-like DNA in vaginal swabs of cows and heifers cross-reacting in the real-time PCR for *T. foetus*. *Vet. Parasitol.* In press.
31. Veiga IB, Schediwy M, Hentrich B, **Frey CF**, Marreros N, Stokar-Regenscheit N (2017). Serratospiculosis in a captive peregrine falcon (*Falco peregrinus*) in Switzerland with subsequent treatment and surveillance of the parasites in the group. *J. Av. Med. Surg. In press.*
32. Casteriano A, Molini U, Kandjumbwa K, Khaiseb S, **Frey CF**, Šlapeta J (2016). Novel genotype of *Tritrichomonas foetus* from cattle in Southern Africa. *Parasitol.* 9:1-6.
33. **Frey CF**, Regidor-Cerrillo J, Marreros N, García-Lunar P, Gutiérrez-Expósito D, Schares G, Dubey JP, Gentile A, Jacquiet P, Shkap V, Cortes H, Ortega-Mora LM, Álvarez-García G (2016). *Besnoitia besnoiti* lytic cycle in vitro and differences in invasion and intracellular proliferation among isolates. *Parasit Vectors.* 9:115.
34. Corsini M, Geissbühler U, Howard J, Gottstein B, Spreng D, **Frey CF** (2015). Clinical presentation, diagnosis, therapy and outcome of alveolar echinococcosis in dogs. *Vet Rec.* 177: 569
35. Müller N, Hentrich B, **Frey CF**, Welle M (2015). Quantitative PCR for the diagnosis of cutaneous leishmaniasis from formalin-fixed and paraffin-embedded skin sections. *Mol Cell Probes.* 29: 507-510.
36. Gendron K, Goepfert C, Linon E, Posthaus H, **Frey CF** (2015). Pulmonary *Echinococcus multilocularis* metastasis in a dog. *Can Vet J.* 56: 267-271.

37. Chaignat V, Boujon P, Frey CF, Hentrich B, Müller N, Gottstein B (2015). The brown hare (*Lepus europaeus*) as a novel intermediate host for *Echinococcus multilocularis* in Europe. *Parasitol Res.* 114: 3167-3169.
38. Bernasconi Ch, Bodmer M, Doherr MG, Janett F, Thomann A, Spycher C, Iten, C, Hentrich B, Gottstein B, Müller N, **Frey CF** (2014). *Tritrichomonas foetus*: prevalence study in naturally mating bulls in Switzerland. *Vet. Parasitol.* 200: 289-294.
39. Gottstein B, **Frey CF**, Campbell-Palmer R, Pizzi R, Barlow A, Hentrich B, Posautz A, Ryser-Degiorgis MP (2014). Immunoblotting for the serodiagnosis of alveolar echinococcosis in alive and dead Eurasian beavers (*Castor fiber*). *Vet. Parasitol.* 205: 113-118.
40. Berset-Istratescu CM, Glardon OJ, Magouras I, **Frey CF**, Gobeli S, Burgener IA (2014). Follow-up of 100 dogs with acute diarrhoea in a primary care practice. *Vet. J.* 199: 188-190.
41. Maksimov P, Zerweck J, Dubey JP, Pantchev N, **Frey CF**, Maksimov A, Reimer U, Schutkowski M, Hosseininejad M, Ziller M, Conraths FJ, Schares G (2013). Serotyping of *Toxoplasma gondii* in cats (*Felis domesticus*) reveals predominance of type II infections in Germany. *PLoS One.* 8(11):e80213.
42. Hertzberg H, Schwarzwald CC, Grimm F, **Frey CF**, Gottstein B, Gerber V (2014). Helminthenmanagement beim adulten Pferd: Notwendigkeit einer Neuorientierung. *Schweiz. Arch. Tierheilkd.* 156: 61-70.
43. **Frey CF**, Gutiérrez-Expósito D, Ortega-Mora LM, Benavides J, Marcén JM, Castillo JA, Casasús I, Sanz A, García-Lunar P, Esteban-Gil A, Alvarez-García G (2013). Chronic bovine besnoitiosis: Intra-organ parasite distribution, parasite loads and parasite-associated lesions in subclinical cases. *Vet. Parasitol.* 197: 95-103.
44. Schaarschmidt D, Gilli U, Gottstein B, Marreros N, Kuhnert P, Daeppen JA, Rosenberg G, Hirt D, **Frey CF** (2013). Questing *Dermacentor reticulatus* harbouring *Babesia canis* DNA associated with outbreaks of canine babesiosis in the Swiss Midlands. *Ticks Tick Borne Dis.* 4: 334-340.
45. Meisser M, Deleglise C, **Frey CF**, Mosimann E (2013). Mixed cattle and sheep grazing in mid-altitude farms: three-year trial in the Swiss Jura. *Fourrages* 216: 305-311.
46. Slapeta J, Müller N, Stack CM, Walker G, Lew-Tabor A, Tachezy J, **Frey CF** (2012). Comparative analysis of *Tritrichomonas foetus* (Riedmüller, 1928) cat genotype, *T. foetus* (Riedmüller, 1928) cattle genotype and *Tritrichomonas suis* (Davaine, 1875) at 10 DNA loci. *Int. J. Parasitol.* 42: 1143-1149.
47. García-Lunar P, Ortega-Mora LM, Schares G, Gollnick NS, Jacquiet P, Grisez C, Prevot F, **Frey CF**, Gottstein B, Alvarez-García G (2012). An inter-laboratory comparative study of serological tools employed in the diagnosis of *Besnoitia besnoiti* infection in bovines. *Transbound Emerg Dis.* 60: 59-68.
48. Reinmann K, Müller N, Kuhnert P, Campero CM, Leitsch D, Hess M, Henning K, Fort M, Müller J, Gottstein B, **Frey CF** (2012). *Tritrichomonas foetus* isolates from cats and cattle show minor genetic differences in unrelated loci ITS-2 and EF-1 $\alpha$ . *Vet. Parasitol.* 185: 138-144.
49. Eichhorn L, Zimmermann W, Gottstein B, **Frey CF**, Doherr MG, Zeeh F (2012). Erstmaliger Nachweis von Lungenwürmern bei Freilandschweinen in der Schweiz. *Schweiz. Arch. Tierheilkd.* 154: 159 – 161.
50. **Frey CF**, Berger-Schoch AE, Hermann DC, Schares G, Müller N, Bernet D, Doherr MG, Gottstein B (2012). Vorkommen und Genotypen von *Toxoplasma gondii* in der Muskulatur

von Schaf, Rind und Schwein sowie im Katzenkot in der Schweiz. *Schweiz. Arch. Tierheilkd.* 154: 251-255.

51. Lobsiger L, **Frey CF**, Müller N, Rosenberg G, Schweizer T, Gottstein B (2012). Breitet sich die bovine kutane Leishmaniose in der Schweiz aus? *Schweiz. Arch. Tierheilkd.* 154: 199-207.
52. Marreros N, **Frey CF**, Willisch CS, Signer C, Ryser-Degiorgis MP (2012). Baseline coprological data in apparently healthy Alpine ibex (*Capra ibex ibex*) from two Swiss colonies. *Vet. Parasitol.* 186: 382-389.
53. Berger-Schoch AE, Bernet D, Doherr MG, Gottstein B, **Frey CF** (2011). *Toxoplasma gondii* in Switzerland: A serosurvey based on meat juice analysis of slaughter pigs, wild boar, sheep and cattle. *Zoonoses Public Health.* 58: 472-478.
54. Berger-Schoch AE, Herrmann DC, Schares G, Müller N, Bernet D, Gottstein B, **Frey CF** (2011). Prevalence and genotypes of *Toxoplasma gondii* in feline faeces (oocysts) and meat from sheep, cattle and pigs in Switzerland. *Vet. Parasitol.* 177: 290-297.
55. Marreros N, Hüsey D, Albin S, **Frey CF**, Abril C, Vogt HR, Holzwarth N, Wirz-Dittus S, Friess M, Engels M, Borel N, Willisch CS, Signer C, Hoelzle LE, Ryser-Degiorgis MP (2011). Epizootiologic investigations of selected abortive agents in free-ranging Alpine Ibex (*Capra l. Ibex*) in Switzerland. *J. Wildlife Dis.* 47: 530-543.
56. Bründler P, **Frey CF**, Gottstein B, Nussbaumer P, Neuhaus S, Gerber V (2011). Lower shedding of strongylid eggs by Warmblood horses with recurrent airway obstruction compared to unrelated healthy horses. *Vet. J.* 190: e12-e15.
57. Spycher A, Geigy C, Howard J, Posthaus H, Gendron K, Gottstein B, Debache K, Herrmann DC, Schares G, **Frey CF** (2011). Isolation and genotyping of *Toxoplasma gondii* causing fatal systemic toxoplasmosis in an immunocompetent 10-year-old cat. *J. Vet. Diagn. Invest.* 23: 104-108.
58. **Frey CF**, Regotz J, Rosenberg G, Gottstein B, Kohler S (2010). A survey on intestinal parasites of livestock guardian dogs and herding dogs in Switzerland (German), (Überblick über intestinale Parasiten bei Herdenschutzhunden und Hütehunden in der Schweiz). *Schweiz. Archiv Tierheilk.* 152: 569-573.
59. Sigg L, Gerber V, Gottstein B, Doherr MG, **Frey CF** (2010). Seroprevalence of *Babesia caballi* and *Theileria equi* in the Swiss horse population. *Parasitol. Int.* 59: 313-317.
60. Schuppers ME, Rosenberg G, Graf R, Eidam V, Wittwer C, Zimmermann W, Gottstein B, **Frey CF** (2010). A study to demonstrate freedom of *Trichinella* spp. in domestic pigs in Switzerland. *Zoonoses Public Health.* 57: e130-e135.
61. Schrey Ch, Weiss AThA, Olias Ph, Henning K, Schein E, **Frey CF** (2010). *Trichomonas*-assoziierte Enteritis bei einem Welpen mit Parvovirose. *Tierärztliche Praxis Kleintiere* 38: 325-327.
62. Schuppers ME, **Frey CF**, Gottstein B, Stärk KDC, Kihm U, Regula G (2010). Comparing the demonstration of freedom from *Trichinella* infection of domestic pigs by traditional and risk based surveillance. *Epidemiol. Infect.* 138: 1242-1251.
63. Lobsiger L, Müller N, Schweizer T, **Frey CF**, Wiederkehr D, Zumkehr B, Gottstein B (2010). An autochthonous case of cutaneous bovine leishmaniasis in Switzerland. *Vet. Parasitol.* 169: 408-414.
64. Neuhaus S, Bruendler P, **Frey CF**, Gottstein B, Doherr M, Gerber V (2010). Increased parasite resistance associated with recurrent airway obstruction in horses of a high-prevalence family. *J. Vet. Intern. Med.* 24: 407-413.

65. Hamza E, Torsteinsdottir S, Eydal M, **Frey CF**, Mirkovitch J, Brcic M, Wagner B, Wilson D, Jungi TW, Marti E (2010). Increased IL-4 and decreased regulatory cytokine production following relocation of Icelandic horses from a high to low endoparasite environment. *Vet. Immunol. Immunopath.* 133: 40-50.
66. Müller N, Welle M, Lobsiger L, Stoffel MH, Kühni Boghenbor K, Hilbe M, Gottstein B, **Frey CF**, Geyer C, von Bomhard W (2009). Occurrence of *Leishmania* sp. in cutaneous lesions of horses in Central Europe. *Vet Parasitol.* 166: 346-351.
67. Gomez-Morales MA, Ludovisi A, Pezzotti P, Amati M, Cherchi S, Lalle M, Pecoraro F, Pozio E, the ring trial participants (a.o. **Frey C**) (2009). International ring trial to detect anti-*Trichinella* IgG by ELISA on pig sera. *Vet. Parasitol.* 166: 241-248.
68. **Frey CF**, Schuppers ME, Eidam V, Boujon P, Waldvogel A, Gottstein B (2009). The occurrence of *Trichinella* spp. in wild boar in Switzerland (German), (Vorkommen von *Trichinella* spp. beim Wildschwein in der Schweiz). *Schweiz. Arch. Tierheilk.* 151: 485-489.
69. **Frey CF**, Buholzer P, Beck R, Marinculic A, Raeber AJ, Gottstein B, Schuppers ME (2009). Validation of a newly developed commercial ELISA for the detection of porcine antibodies against *Trichinella* spp.. *J. Vet. Diagn Invest.* 21: 692-697.
70. Burgener IA, **Frey CF**, Kook PH, Gottstein B (2009). *Tritrichomonas foetus* – a novel intestinal parasite of cats in Switzerland (German), (*Tritrichomonas foetus* – ein neuer Parasit im Darm von Schweizer Katzen). *Schweiz. Arch. Tierheilk.* 151: 383-389.
71. **Frey CF**, Schuppers ME, Nöckler K, Marinculic A, Pozio E, Kihm U, Gottstein B (2009). Validation of a Western Blot for the detection of anti-*Trichinella* spp. antibodies in domestic pigs. *Parasitol. Res.* 104: 1269-1277.
72. **Frey CF**, Schild M, Hemphill A, Stünzi P, Müller N, Gottstein B, Burgener IA (2009). Intestinal *Tritrichomonas foetus* infection in cats in Switzerland detected by in vitro cultivation and PCR. *Parasitol. Res.* 104: 783-788.
73. Schrey Ch, Mundhenk L, Gruber A, Henning K, **Frey C** (2009). *Tritrichomonas foetus* als Durchfallerreger bei drei Katzen. *Kleintierpraxis.* 54: 93-96.
74. **Frey CF**, Schuppers ME, Müller N, Ryser-Degiorgis MP, Gottstein B (2009). Assessment of the prevalence of *Trichinella* spp. in red foxes and Eurasian lynxes from Switzerland. *Vet. Parasitol.* 159: 295-299.
75. Imhasly A, **Frey CF**, Mathis A, Straub R, Gerber V (2009). Cryptosporidiose (*C. parvum*) in a foal with diarrhea (German), (Cryptosporidiose (*C. parvum*) bei einem Fohlen mit ungenügendem passiven Immuntransfer). *Schweiz. Arch. Tierheilk.* 151: 21-26.
76. Porchet MJ, Sager H, Muggli L, Oppliger A, Müller N, **Frey C**, Gottstein B (2007). A descriptive epidemiological study on canine babesiosis in the Lake Geneva region. *Schweiz. Arch. Tierheilk.* 149: 457-465.
77. **Frey CF**, Bauhofer O, Ruggli N, Summerfield A, Hofmann MA, Tratschin JD (2006). Classical swine fever virus replicon particles lacking the E<sup>ms</sup> gene: a potent marker vaccine for intradermal application. *Vet. Res.* 37: 655-670.

## Reviews in peer-reviewed journals

1. Borel N, **Frey CF**, Gottstein B, Hilbe M, Pospischil A, Franzoso FD, Waldvogel A (2014). Laboratory diagnosis of ruminant abortion in Europe. *Vet. J.* 200: 218-229.



2. Alvarez-Garcia G, **Frey CF**, Ortega-Mora LM, Schares G. (2013). A century of bovine besnoitiosis: an unknown disease re-emerging in Europe. *Trends Parasitol.* 29: 407-415.
3. **Frey CF**, Müller N. (2012). *Trichostrongylus* - systematics of an enigmatic genus. Review. *Molecular and Cellular Probes* 26: 132-136.

### Invited publications without peer-review

1. **Frey CF** (2023). Winteraktive Ektoparasiten. *Schweizer Hundemagazin* 8/23.
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