



Parasitic Zoonoses and Translational Research Group

Institute of Parasitology

Vetsuisse Faculty, University of Zurich

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Personal data

Date of Birth: 20.08.1956

Nationality: Swiss

Award

2017 World Association of Veterinary Parasitology Award for Excellence in Research

Education and Professional Experience

2016 Sabbatical at the Bhutan National Centre for Animal Health in Serbithang, Thimphu, Bhutan

2007 Sabbatical at the Department of Pathology, Microbiology and Immunology, School of Veterinary Medicine University of California, Davis, U.S.A. (in the group of Professor Patricia A Conrad)

Since 2000 Full professor of Parasitology, Director of the Institute of Parasitology and Head of Laboratory for Zoonoses, Institute of Parasitology, University of Zurich

Since 1999 Visiting Professor, The Danish Centre for Experimental Parasitology, Royal Veterinary and Agricultural University, Copenhagen, Denmark

1997	Habilitation: Venia legendi on "Parasitology", University of Zurich, February 1997, Title: "Immunology and immune- and molecular diagnosis of <i>Echinococcus</i> and <i>Taenia</i> infections in carnivores"
1991	Grant of the Swiss National Foundation: Research stay at the Institute for Molecular Genetics and Animal Disease, School of Veterinary Studies, Murdoch University, Murdoch (Western Australia)
1988 - 1990	Assistant at the Institute of Parasitology, University of Zurich, Department of Veterinary Serology and Immunology
1988	Dissertation: Institute of Parasitology, University of Zurich (Prof. Dr. Dr. h.c. J. Eckert) July 1998, Title: "Experimental studies on the reproduction biology of <i>Taenia hydatigena</i> in dogs"
1979 - 1984	Studies of Veterinary Medicine at the University of Zurich

Professional

since 2006	Founding member of European Companion Animal Parasites (ESCCAP)
since 2003	Founding member of European Veterinary Parasitology College (EVPC)
1998 – 2002	Member of the Piekarski Price Commission of DGP
since 2001	Member of the advisory board of the Karl Enigk Member of the advisory board of the Echinococcosis Foundation Zurich
since 1995	Member of the Swiss Society for Veterinary Diagnosticians
since 1994	Member of the German Society for Parasitology (DGP)
since 1990	Member of the World Association for the Advancement of Veterinary Parasitology (WAAVP) Member of the Swiss Society for Tropical Medicine and Parasitology (SGTP)

Publications

2021

Muchaamba G, Alvarez Rojas CA, **Deplazes P.**: Amplification of cestode DNA from the peri-anal region of naturally infected foxes by PCR and LAMP: proof of concept for a potential sampling strategy for diagnosing human taeniosis. **Parasitology Research** 2021 Aug 31;1-9.

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cats is currently less pronounced than in ruminants and horses - Yet it is of major concern. **Int J Parasitol Drugs Drug Resist.** 2021 Jul 25; 17:36-45

Bucher, B., Muchaamba, G., Kamber, T, Kronenberg, P., A., Abdykerimov, K., K., Isaev M., **Deplazes P.**, Alvarez Rojas C., A.: LAMP Assay for the Detection of Echinococcus multilocularis Eggs Isolated from Canine Faeces by a Cost-Effective NaOH-Based DNA Extraction Method. **Pathogens** 2021, 10(7), 847

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Kotwa J., D., Schnyder M., Jardine C., M., **Deplazes P.**, Pearl D., L., Berke O., Mercer N., Peregrine A., S.: Investigation of the occurrence of Angiostrongylus vasorum in coyotes in southern Ontario, Canada. **J Vet Diagn Invest** 2021 Apr 23 10406387211011990

Sharma P., M., Thapa N.,K., Tshomo P., Dema T., Alvarez Rojas C., A., Tenzin T., Gurung R., B., Norbu T., Lhatru L., Namgyel P., Jamtsho C., Dukpa K., Phuentshok Y., Sharma K.,P., Pelden S., **Deplazes P.**: Occurrence of Echinococcusgranulosussensulato and Other Taeniids in Bhutan. **Pathogens** 2021 March 11; 10(3):330

Phuentshok Y., Choden K, Alvarez Rojas C., A., **Deplazes P.**, Wangdi S., Gyeltshen K., Rinzin K, Thapa NK, Tenzinla T, Dorjee D, Valitutto M., Gilbert M., Siritroonrat B., Jirak W., Piewbang C., Sharma P., M., Dema T., Gurung R., B.: Cerebral cysticercosis in a wild Bengal tiger (Panthera tigris tigris) in Bhutan: A first report in non-domestic felids. **Int J Parasitol Parasites Wildl** 2021 Feb 10; 14:150-156

Rostaher A., Rodriguez-Campos S., **Deplazes P.**, Zwickl L, Akdis AC, Urwyler A., Wheeler D., W., Audergon S., Fischer N., M., Favrot C.: Atopic dermatitis in West Highland white terriers - Part III: early life peripheral blood regulatory T cells are reduced in atopic dermatitisInternational. **Journal for Parasitology: Parasites and Wildlife** 14, 202-210

Joekel, D., Nur, S., Monné Rodriguez, J., Kronenberg, P., Kipar, A., LeibundGut-Landmann, S., **Deplazes, P.**: Agranulocytosis leads to intestinal Echinococcus multilocularis oncosphere invasion and hepatic metacestode development in naturally resistant Wistar rats. **Parasitology** 1-10 (2021)

2020

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Alvarez Rojas, A., Kronenberg, P., Aitbaev, S., Omorov, R., A., Abdykerimov, K., Paternoster, G., Müllhaupt, B., Torgerson, P., **Deplazes, P.**: Genetic diversity of Echinococcus multilocularis and Echinococcus granulosus sensu lato in Kyrgyzstan: The A2 haplotype of E. multilocularis is the predominant variant infecting humans. **PLoS Neglected Tropical Diseases** 14 (5), e0008242

Basso, W., Alvarez, Rojas, A., Buob, D., Ruetten, M., **Deplazes, P.**: Sarcocystis infection in red deer (*Cervus elaphus*) with eosinophilic myositis/fasciitis in Switzerland and involvement of red foxes (*Vulpes vulpes*) and hunting dogs in the transmission. **Int. J Parasitol Parasites Wildl.** 13:130-141 (2020)

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Morandi, B., Mazzone, A, Gori, F., Alvarez Rojas, C., Galuppi, R., **Deplazes, P.**, Poglayen, G.: New Insights Into the Peculiar World of the Shepherd-Dog Parasites: An Overview From Maremma (Tuscany, Italy) **International Jour. Frontiers Vet. Sci.** (2020)

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in the Differential Diagnosis between cystic and Alveolar Echinococcosis. **The American Journal of Surgical Pathology** 44 (1):43-54 (2020)

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Bebezov, B., Mamashev, N., Umetaliev, T., Ziadinov, I., Craig, P.S., Joekel, D.E., **Deplazes, P.**, Grimm, F., Torgerson, P.R.: Intense Focus of *Alveolar Echinococcosis*, South Kyrgyzstan. **Emerging Infectious Diseases** 24, 1119 – 1122 (2018)

Vienazindiene, Z., Joekel, D.E., Schaper, R., **Deplazes, P.**, Sarkunas, M.: Longitudinal study for anthelmintic efficacy against intestinal helminths in naturally exposed Lithuanian village dogs: critical analysis of feasibility and limitations. **Parasitology Research** 117, 1581 – 1590 (2018)

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Joekel, D.E., Maier, S., Huggel, K., Schaper, R., **Deplazes, P.**: Specific Antibody Detection in Dogs with Filarial Infections. **Parasitology Research** 116, 81-90 (2017)

Eichenberger, R.M., Stefanic, S., Naucke, T.J., Sarkunas, M., Zamokas, G., Grimm, F., **Deplazes, P.**: An ELISA for the early diagnosis of acute *canine babesiosis* detecting circulating antigen of large *Babesia* spp. **Veterinary Parasitology** 243, 162-168 (2017)

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Ricken, J., Nell, J., Grüner, B., Schmidberger, J., Kaltenbach, T., Kratzer, W., Hillenbrand, A., Henne-Bruns, D., **Deplazes, P.**, Mollar, P., Kern, P., Barth, T.F.E.: Albendazole increases the inflammatory response and the amount of Em2-positive small particles of *Echinococcus*

multilocularis (spems) in human hepatic alveolar echinococcosis lesions. **PLOS Neglected Tropical Diseases** 25;11(5), e0005636 (2017)

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Poylayen, G., Gori, F., Morandi, B., Galuppi, R., Fabbri, E., Caniglia, R., Milanesi, P., Galaverni, M., Randi, E., Marchesi, B., **Deplazes, P.**: Italian wolves and molecular detection of *taeniids* in the Foreste Casentinesi National Park, Northern Italian Apennines. **International Journal of Parasitology Parasites and Wildlife** 18;6, 1-7 (2017)

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Basso, W., Grimm, F., Ruetten, M., Djokic, V., Blaga, R., Sidler, X., **Deplazes, P.**, Experimental *Toxoplasma gondii* infections in pigs. **Veterinary Parasitology** 236, 76-85 (2017)

Romig, T., **Deplazes, P.**, Jenkins, D., Giraudoux, P., Massolo, A., Craig, P.S., Wassermann, M., Takahashi, K., de la Rue, M.: Ecology and Life cycle Patterns of Echinococcus species. **Advances in Parasitology** 95, 213-314 (2017)

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