



Parasitic Zoonoses Research Group
Institute of Parasitology
Vetsuisse Faculty, University of Zurich
Winterthurerstr. 266a
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Education and Professional Experience

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| since 2008 | Managing director of the Swiss Foundation for Bearded Vultures |
| since 1999 | Research associate at the Institute for Parasitology,
University of Zürich (25-100%) |
| since 1995 | Member of the management board of SWILD with projects in wildlife research, urban ecology und conservation biology |
| 1999 – 2003 | Ph.D. student at the Zoological Museum, University of Zürich |
| 1987 – 1995 | Student of biology, University Zürich |

Appointments and Affiliations

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| since 2012 | President of the Vulture Conservation Foundation |
| since 2005 | Member of the foundation board of the Swiss Foundation for Bearded Vultures |
| since 1995 | Member of the management board of SWILD |
| 2004 – 2011 | Member of the Advisory Council of the Vulture Conservation Foundation |

Publications

Hegglin, D., Bontadina, F., Deplazes, P. (2015) Human-wildlife interactions and zoonotic transmission of *Echinococcus multilocularis*. Trends in Parasitology . 31:167-173.

Raoul, F., **Hegglin, D.**, & Giraudoux, P. (2015). Trophic ecology, behaviour and host population dynamics in *Echinococcus multilocularis* transmission. Veterinary Parasitology. doi:10.1016/j.vetpar.2015.07.034

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- Margalida A, Carrete M, **Hegglin D**, Serrano D, Arenas R, Donázar JA. 2013. Uneven Large-Scale Movement Patterns in Wild and Reintroduced Pre-Adult Bearded Vultures: Conservation Implications. *PLoS ONE* 8(6): e65857
- Loercher, F., Keller, L., **Hegglin, D.** (2013) Low genetic diversity of the reintroduced bearded vulture (*Gypaetus barbatus*) population in the Alps calls for further releases. In 5th Symposium for Research in Protected Areas, 10-12 June 2013, (Vol. 5, pp. 473–478).
- Hegglin, D.**, Deplazes, P. (2013) Control of *Echinococcus multilocularis*: Strategies, feasibility and cost-benefit analyses. *Int J Parasitol* 43, 327-337.
- Kistler C, **Hegglin D**, von Wattenwyl K, Bontadina F. 2013. Is electric fencing an efficient and animal-friendly tool to prevent stone martens from entering buildings? *European Journal of Wildlife Research* 59, 905-909.
- Comte S, Raton V, Raoul F, **Hegglin D**, Giraudoux P, Deplazes P, Favier S, Gottschek D, Umhang G, Boué F, Combes B. 2013. Fox baiting against *Echinococcus multilocularis*: Contrasted achievements among two medium size cities. *Preventive veterinary medicine* 111,147–155.
- Kaufmann, C., Steinmann, I.C., **Hegglin, D.**, Schaffner, F., Mathis, A. (2012) Spatio-temporal occurrence of *Culicoides* biting midges in the climatic regions of Switzerland, along with large scale species identification by MALDI-TOF mass spectrometry. *Parasites & Vectors* 5.
- Takumi, K., **Hegglin, D.**, Deplazes, P., Gottstein, B., Teunis, P., Van Der Giessen, J. (2012) Mapping the increasing risk of human alveolar echinococcosis in Limburg, The Netherlands. *Epidemiol Infect* 140, 867-871.
- Burlet, P., Deplazes, P., **Hegglin, D.** (2011) Age, season and spatio-temporal factors affecting the prevalence of *Echinococcus multilocularis* and *Taenia taeniaeformis* in *Arvicola terrestris*. *Parasites & Vectors* 4.
- Kistler, C., **Hegglin, D.**, Wuerbel, H., Koenig, B. (2011) Preference for structured environment in zebrafish (*Danio rerio*) and checker barbs (*Puntius oligolepis*). *Appl Anim Behav Sci* 135, 318-327.
- Tschanz, B., **Hegglin, D.**, Gloor, S., Bontadina, F. (2011) Hunters and non-hunters: skewed predation rate by domestic cats in a rural village. *Eur J Wildl Res* 57, 597-602.
- Burlet, P., Deplazes, P., **Hegglin, D.** (2010) Efficient age determination: how freezing affects eye lens weight of the small rodent species *Arvicola terrestris*. *Eur J Wildl Res* 56, 685-688.
- Kistler, C., **Hegglin, D.**, Wuerbel, H., Koenig, B. (2010) Structural enrichment and enclosure use in an opportunistic carnivore: the red fox (*Vulpes vulpes*). *Anim Welf* 19, 391-400.
- Labes, E.M., **Hegglin, D.**, Grimm, F., Nurcahyo, W., Harrison, M.E., Bastian, M.L., Deplazes, P. (2010) Intestinal parasites of endangered orangutans (*Pongo pygmaeus*) in Central and East Kalimantan, Borneo, Indonesia. *Parasitology* 137, 123-135.

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Kistler, C., **Hegglin, D.**, Wuerbel, H., Koenig, B. (2009) Feeding enrichment in an opportunistic carnivore: The red fox. Appl Anim Behav Sci 116, 260-265.

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Schaffner, F., Kaufmann, C., **Hegglin, D.**, Mathis, A. (2009) The invasive mosquito *Aedes japonicus* in Central Europe. Med Vet Entomol 23, 448-451.

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Hegglin, D., Bontadina, F., Contesse, P., Gloor, S. & Deplazes, P. (2007) Plasticity of predation behaviour as a putative driving force for parasite life-cycle dynamics: the case of urban foxes and *Echinococcus multilocularis* tapeworm. Functional Ecology, 21, 552-560.

Reperant, L. A., **Hegglin, D.**, Fischer, C., Kohler, L., Weber, J.-M. & Deplazes, P. (2007) Influence of urbanization on the epidemiology of intestinal helminths of the red fox (*Vulpes vulpes*) in Geneva, Switzerland. Parasitology Research.

Willi, B., Boretti, F.S., Meli, M.L., Bernasconi, M.V., Casati, S., **Hegglin, D.**, Puorger, M., Neimark, H., Cattori, V., Wengi, N., Reusch, C.E., Lutz, H., Hofmann-Lehmann, R. (2007). Real-time pcr investigation of possible transmission routes and reservoirs of feline hemoplasmas. J Vet Intern Med 21, 579-579.

Willi, B., Boretti, F.S., Meli, M.L., Bernasconi, M.V., Casati, S., **Hegglin, D.**, Puorger, M., Neimark, H., Cattori, V., Wengi, N., Reusch, C.E., Lutz, H., Hofmann-Lehmann, R. (2007). Real-time PCR investigation of potential vectors, reservoirs, and shedding patterns of feline hemotropic mycoplasmas. Appl Environ Microbiol 73, 3798-3802.

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- Deplazes, P. & **Hegglin, D.** (2004) Control of *Echinococcus multilocularis* in definitive host populations. Echinococcus in Central Asia: problems and solutions (eds P. Torgerson & B. Shaikenov), pp. 263-272. Daur, Zurich - Almaty.
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- Gloor, S., Bontadina, F., **Hegglin, D.**, Deplazes, P. & Breitenmoser, U. (2001) The rise of urban fox populations in Switzerland. Mammalian Biology, 66, 155-164.
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