

Hermosilla, Carlos, Prof. Dr. Dr. habil., DVM, DipEVPC, Visiting Professor (UACH)

Date of birth 25.04.1964 in Santiago, Chile

Institute of Parasitology
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Position Professor

Children One daughter (1994) and one son (2004)

1) Academic Education

1984-1989 Study of Veterinary Medicine, University Austral of Chile (UACH), Valdivia, Chile

2) Advanced Professional Degrees

2017 European Board Veterinary Specialist (EBVS) in Parasitology
2009 Habilitation for Veterinary Parasitology, JLU Giessen
2004 Diplomate of the European Veterinary Parasitology College (DipEVPC)
1993-1998 Doctoral thesis, Institute of Parasitology, JLU Giessen (*magna cum laude*)
1989 Approbation as Veterinary Surgeon, DVM

3) Positions Held

since 2015 Professor for Parasitology and Parasitic Diseases at the Biomedical Research Center Seltersberg, JLU Giessen
2007-2011 Senior Lecturer of Parasitology, Royal Veterinary College (RVC), London, United Kingdom
1998-2007 Postdoctoral Researcher, Institute of Parasitology, JLU Giessen
1994-1999 Academic Scientist (PhD), Institute of Parasitology, JLU Giessen
1993-1998 PhD-fellow supported by the German Academic Exchange Service (DAAD)

4) Other Activities

Honors and Awards

2009-present Visiting Professor of the University Austral of Chile (UACH)

Memberships in Learned Societies

- German Society for Parasitology (DGP)
- World Association for the Advancement of Veterinary Parasitology (WAAVP)
- European Veterinary Parasitology College (EVPC)
- European Board Veterinary Specialist (EBVS)
- Chilean Veterinary Medicine Society (CVMS)

5) Publications - 10 most important out of 110, H-index: 17 (Web of Knowledge, December 2017)

- 1) Lange MK, Penagos-Tabares F, Muñoz-Caro T, Gärtner U, Mejer H, Schaper R, **Hermosilla C**, Taubert A (2017) Gastropod-derived haemocyte extracellular traps entrap metastrongyloid larval stages of *Angiostrongylus vasorum*, *Aelurostrongylus abstrusus* and *Troglostrongylus brevior*. **Parasites & Vectors** 10: 50
- 2) Hamid PH, Prastowo J, Ghaffari A, Taubert A, **Hermosilla C** (2017) *Aedes aegypti* resistance development to commonly used insecticides in Jakarta, Indonesia. **PLoS One**, doi.org/10.1371/journal.pone.0189680

- 3) Villagra-Blanco R, Silva LMR, Muñoz-Caro T, Yang Z, Li J, Gärtner U, Taubert A, Zhang X, **Hermosilla C** (2017) Bovine polymorphonuclear neutrophils cast neutrophil extracellular traps against the abortive parasite *Neospora caninum* **Frontiers Immunol.**, 8, Article 606
- 4) Hamid PH, Prastowo J, Widyasari A, Taubert A, **Hermosilla C** (2017) Knockdown resistance (*kdr*) of the voltage sodium channel gene of *Aedes aegypti* population in Denpasar, Bali, Indonesia **Parasites & Vectors** 10: 283
- 5) Villagra-Blanco R, Silva LMR, Gärtner U, Wagner H, Failing K, Wehrend A, Taubert A, **Hermosilla C** (2017) Molecular analyses on *Neospora caninum*-triggered NETosis in the caprine system **Dev. Comp. Immunol.**, 72: 119-127
- 6) Wei Z, **Hermosilla C**, Taubert A, He X, Wang X, Gong P, Li J, Yang Z, Zhang X (2017) Canine neutrophil extracellular traps release induced by the apicomplexan parasite *Neospora caninum* *in vitro* **Frontiers Immunol.**, 7, Article 436
- 7) Zambrano F, Carrau T, Gärtner U, Seipp A, Taubert A, Felmer R, Sánchez R, **Hermosilla C** (2016) Leukocytes coincubated with human sperm trigger classic neutrophil extracellular traps formation, reducing sperm motility **Fertility & Sterility** 106 (5) 2016
- 8) Silva L, Muñoz-Caro T, Burgos R, Hidalgo M, Taubert A, **Hermosilla C** (2016) Far beyond phagocytosis: phagocyte-derived extracellular traps act efficiently against protozoan parasites *in vitro* and *in vivo*. **Mediators Inflamm.**, 2016:5898074
- 9) Reichel M, Muñoz-Caro T, Sánchez-Contreras G, Rubio García A, Magdowski G, Gärtner U, Taubert A, **Hermosilla C** (2015) Harbour seal (*Phoca vitulina*) PMN and monocytes release extracellular traps to capture the apicomplexan parasite *Toxoplasma gondii* **Dev. Comp. Immunol.**, 50: 106-115
- 10) Muñoz Caro T, Lendner M, Dauschies A, **Hermosilla C**, Taubert A (2015) NADPH oxidase, MPO, NE, ERK1/2, p38 MAPK and Ca²⁺ influx are essential for *Cryptosporidium parvum*-induced NET formation. **Dev. Comp. Immunol.**, 52: 245-54