

Publikationsliste

Hanna, Marti, Dr. med. vet., Dr. sc. Nat

Orcid ID: 0000-0002-8398-4708

Researcher ID: AAA-3955-2021

Peer-Reviewed Publications

1st authorship publications

Marti H, Suchland RJ, Rockey DD. The Impact of Lateral Gene Transfer in *Chlamydia*. *Front Cell Infect Microbiol.* **2022**. 12:861899. doi: 10.3389/fcimb.2022.861899

Marti H, Bommana S, Read TD, Pesch T, Prähauser B, Dean D, Borel N. Generation of tetracycline and rifamycin resistant *Chlamydia suis* recombinants. *Front Microbiol.* **2021**. 12:630293. doi: 10.3389/fmicb.2021.630293

Rohner L, **Marti H**, Torgerson P, Hoffmann K, Jelocnik M, Borel N. Prevalence and molecular characterization of *C. pecorum* detected in Swiss fattening pigs. *Vet Microbiol.* **2021**. 256:109062. doi: 10.1016/j.vetmic.2021.109062 ^ denotes equal contribution, * denotes equal contribution

Marti H, Borel N, Dean D, Leonard CA. Evaluating the antibiotic susceptibility of *Chlamydia* – new approaches for *in vitro* assays. *Front Microbiol.* **2018**. 9:1414. doi: 10.3389/fmicb.2018.01414

2nd authorship publications

Stalder S, **Marti H**, Borel N, Vogler B, Pesch T, Prähauser B, Wencel P, Laroucau K, Albini S. Falcons from the United Arab Emirates infected with *Chlamydia psittaci*/*C. abortus* intermediates specified as *Chlamydia buteonis* by polymerase chain reaction. *J Avian Medicine and Surgery.* **2021**. 35(3):333-430.

Stalder S, **Marti H**, Borel N, Mattmann P, Vogler B, Wolfrum N, Albini S. Detection of *Chlamydiaceae* in Swiss wild birds sampled at a bird rehabilitation centre. *Vet Rec.* **2020**. 7:e000437. doi:10.1136/vetreco-2020-000437

Stalder S, **Marti H**, Borel N, Sachse K, Albini S, Vogler BR. Occurrence of *Chlamydiaceae* in raptors and crows in Switzerland. *Pathogens.* **2020**. 2;9(9):724. doi: 10.3390/pathogens9090724

Fritschi J, **Marti H**, Seth-Smith HMB, Aeby S, Greub G, Meli ML, Hofmann-Lehmann R, Mühldorfer K, Stokar-Regenscheit N, Wiederkehr D, Pilo P, Rüegg-Van Den Broek P, Borel N. Prevalence and phylogeny of *Chlamydiae* and hemotropic mycoplasma species in captive and free-living bats. *BMC Microbiol.* **2020**. 20(1):182. doi: 10.1186/s12866-020-01872-x

Mattmann P, **Marti H**, Borel N, Jelocnik M, Albini S, Vogler BR. *Chlamydiaceae* in wild, feral and domestic pigeons in Switzerland and insight into population dynamics by *Chlamydia psittaci* multilocus sequence typing. *PLoS One.* **2019**. 14(12):e0226088. doi: 10.1371/journal.pone.0226088

Borel N, **Marti H**, Pospischil A, Pesch T, Prähauser, Wunderlin S, Seth-Smith HMB, Low N, Flury R. *Chlamydiae* in human intestinal biopsy samples. *Pathog Dis.* **2018**. 76(8). doi: 10.1093/femspd/fty081

Staub E, **Marti H**, Biondi R, Levi A, Donati M, Leonard CA, Ley SD, Pillonel T, Greub G, Seth-Smith HMB, Borel N. Novel *Chlamydia* species isolated from snakes are temperature-sensitive and exhibit decreased susceptibility to azithromycin. *Sci Rep.* **2018**. 8(1):5660. doi: 10.1038/s41598-018-23897-z

Last authorship publications

Unterweger C, Schwarz L, Jelocnik M, Borel N, Brunthaler R, Inic-Kanada A, **Marti H**. Isolation of tetracycline-resistant *Chlamydia suis* from a pig herd affected by reproductive disorders and conjunctivitis. *Antibiotics* (Basel). **2020**. 9(4):187. doi: 10.3390/antibiotics9040187. **Case Report**

Other authorship publications

Bressan M, Rampazzo A, Kuratli J, **Marti H**, Pesch T, Borel N. Occurrence of *Chlamydiaceae* and *Chlamydia felis pmp9* Typing in Conjunctival and Rectal Samples of Swiss Stray and Pet Cats. **2021**. 10(8): 951. doi: 10.3390/pathogens10080951.

Di Francesco A, Morandi F, **Marti H**, Santagati C, Borel N. *Chlamydia suis* and tetracycline resistance genes un Italian wild boar (*Sus scrofa*). *Vet Ital*. **2021**. Jul 27;57(2). doi: 10.12834/VetIt.2141.12114.1

Di Francesco A, Renzi M, Borel N, **Marti H**, Salvatore D. Detection of tetracycline resistance genes in European hedgehogs (*Erinaceus europaeus*) and crested porcupines (*Hystrix cristata*). *J Wildl Dis*. **2020**. 56(1): 219-223. doi: 10.7589/2019-03-068.

Kuratli J, Leonard CA, Nufer L, **Marti H**, Schoborg R, Borel N. Maraviroc, celastrol and azelastine alter *Chlamydia trachomatis* development in HeLa cells. *J Med Microbiology*. **2020**. doi: 10.1099/jmm.0.001267

Baumann S, Gurtner C, **Marti H**, Borel N. Detection of *Chlamydia* species in 2 cases of equine abortion in Switzerland: a retrospective study From 2000 to 2018. *J Vet Diagn Invest*. **2020**. 32(4):542-548. doi: 10.1177/1040638720932906.

Wahdan A, Rohner L, **Marti H**, Bacciarini LN, Menegatti C, Di Francesco A, Borel N. Prevalence of *Chlamydiaceae* and tetracycline resistance genes in wild boars of Central Europe. *J Wildl Dis*. **2020**. 56(3):512-522. doi: 10.7589/2019-11-275

Vogler BR, Trinkler M, **Marti H**, Borel N, Pesch T, Prähauser B, Hoop R, Mattmann P, Albin. Survey on *Chlamydiaceae* in cloacal swabs from Swiss turkeys demonstrates absence of *Chlamydia psittaci* and low occurrence of *Chlamydia gallinacea*. *PLoS One*. **2019**. 14(12):e0226091. doi: 10.1371/journal.pone.0226091

Onorini D, Donati M, **Marti H**, Biondi R, Levi A, Nufer L, Prähauser B, Rigamonti S, Vicari N, Borel N. The influence of centrifugation and incubation temperatures on various veterinary and human chlamydial species. *Vet Microbiol*. **2019**. 233:11-20. doi: 10.1016/j.vetmic.2019.04.012

Kuratli J, Pesch T, **Marti H**, Leonard CA, Blenn C, Torgerson P, Borel N. Water filtered infrared A and visible light (wIRA/VIS) irradiation reduces *Chlamydia trachomatis* infectivity independent of targeted cytokine inhibition. *Front Microbiol*. **2018**. 9:2757. doi: 10.3389/fmicb.2018.02757

Monographies

Marti H. Understanding the transmission mechanism of tetracycline resistance in *Chlamydia suis*. Dissertation zur Erlangung der naturwissenschaftlichen Doktorwürde der Universität Zürich (Dr. sc. nat.). Faculty of Science, UZH, CH. **2020**.

Other Publications

Borel N, Leonard CA, **Marti H**. More than meets the eye. **2020**. Horizon 2020 Projects: Portal. Issue 6. Pan European Networks Ltd. *Article*.

Kuratli J, **Marti H**, Borel N. "Water-Filtered Infrared A (wIRA) Irradiation: Novel Treatment Options for Chlamydial Infections" In: Water-filtered Infrared A (wIRA) Irradiation, Springer Verlag. Vaupel P, editor. Springer Verlag. doi: 10.1007/978-3-030-92880-3. **2022**. *Book chapter*.

Marti H, Jelocnik M. Animal Chlamydiae: A Concern for Human and Veterinary Medicine. Pathogens. 11(3):364. **2022**. doi: 10.3390/pathogens11030364. *Editorial*.