



Publications of the FLI 2023

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Publications in peer-reviewed journals

Aaziz, R., R.L. Vinueza, F. Vorimore, C. Schnee, G. Jiménez-Uzcátegui, G. Zanella, and K. Laroucau. 2023. Avian *Chlamydia abortus* Strains Detected in Galápagos Waved Albatross (*Phoebastria irrorata*). *J Wildl Dis* **59**:143-148.

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Habilitation treatises, Doctoral, PhD, Diploma, Master and Bachelor theses

Habilitations

Ziegler, Ute (INNT): Untersuchungen zum Vorkommen in Deutschland sowie zur Pathogenese und Immunisierung bei Vögeln (Universität Leipzig)

Doctoral theses

Ahrens, Ann Kathrin (IVD): Surveillance for avian influenza viruses in the environment (Universität Greifswald)

Bergmann, Felicitas (INNT): Surveillance Strategies and Prevention of Flavivirus Infections in (Zoo-)Birds in Germany (Tierärztliche Hochschule Hannover)

Borkute, Rachana (IfI): Responses of bovine and human neutrophils to members of the *Mycobacterium tuberculosis* complex (Universität Greifswald)

Bostedt, Linus (IMVZ): Contributions of NP isoforms to the regulation of the Junin virus replication cycle and interactions with the host cell (Universität Greifswald)

Christiansen, Bahne (IMVZ): Mass spectrometric characterisation of the interactomes of closely related zoonotic viruses differing in pathogenicity (Universität Greifswald)

Cierniak, Filip (INNT): Phylogenetic and Reverse Genetics Studies on Zoonotic Hepatitis E Virus (Universität Greifswald)

Dau, Tung Huy (IfI): The role of cell-penetrating peptides in the induction of T cell responses by virus-like particles (Universität Greifswald)

Deutschmann, Paul (IVD): Towards licensing of a vaccine candidate against African swine fever and recent advances in surveillance and diagnosis of the disease in Germany (Ludwig-Maximilians-Universität München)

Eckhardt, Emmelie (ATB, Leitung): Vaccination and therapeutic strategies against *M. tuberculosis* in the guinea pig model (Justus-Liebig-Universität Gießen)

Elnagar, Ahmed (IVD): Innovative molecular diagnostics of African swine fever virus and other transboundary animal diseases (Ludwig-Maximilians-Universität München)

Halwe, Nico Joël (IVD): In vivo characterization of present and potentially pre-pandemic viruses - The SARS-CoV-2 and bat influenza H9N2 examples (Universität Greifswald)

Hartmann, Luise (IfI): Mechanismen der Immunzellsubversion in primären porcinen Monozyten nach Infektion mit hoch- und niedrig-virulenten ASPV-Stämmen (Universität Greifswald)

Janssen, Nele (IMED): Distribution and population genetics of the invasive Asian bush mosquito *Aedes japonicus* (Diptera, Culicidae) in Germany and eastern Europe (Universität Greifswald)

Keck, Hanna (IVD): Simple and reliable diagnostics of viral pathogens (Ludwig-Maximilians-Universität München)

Kononov, Susanne Ursula (ITE): The influence of L-carnitine on hematology and functional blood parameters of dairy cows with special focus on high resolution data around parturition (Universität Hohenheim)

Körsten, Christin (IMED): Vector Competence of German Mosquito Species for West Nile Virus and Usutu Virus and the Impact of Co-Infections (Universität Leipzig)

Kydyshov, Kalysbek (IBIZ): Epidemiology of brucellosis in humans and animals and molecular investigation of human brucellosis in Kyrgyzstan (Friedrich-Schiller-Universität Jena)

Meyer, Jennifer (ITE): Influence of a dietary L-carnitine supplementation on performance, health status and energy metabolism in lactating pluriparous German Holstein cows during the transition period and an induced acute phase reaction in mid-lactation (Tierärztliche Hochschule Hannover)

Pfeifer, Nicola Maria (IMP): Untersuchungen zur Dynamik des Vorkommens und zur Persistenz Cephalosporin- oder Fluorchinolon-resistenter *Escherichia coli*-Stämme in der Mastschweineproduktion (Justus-Liebig-Universität Gießen)

Reemtsma, Hannah (INNT): Pathogenesis of German Flavivirus (Co-) Infections in Geese (Tierärztliche Hochschule Hannover)

Schilde, Matthias (ITE): The combined opportunities of supplementing varying concentrate-to-forage ratios with 3-nitrooxypropanol in the ration of dairy cows from the periparturient to the mid-lactation period (Martin-Luther-Universität Halle-Wittenberg)

Schmidt, Sabrina (INNT): Common voles (*Microtus arvalis*): Important reservoir for Tula orthohantavirus and other zoonotic pathogens (Universität Greifswald)

Schwarzkopf, Sarah (ITE): Mother's parity and weaning age influence the transition from liquid to solid feed in female Holstein calves (Universität Hohenheim)

Tran, Anh Tuan (ITE): Inactivation of deoxynivalenol (DON) in contaminated maize grain using sodium sulfite : implications on health and performance of pigs (Martin-Luther-Universität Halle-Wittenberg)

Wöhnke, Elisabeth (IMVZ): Mass spectrometry-based Proteome analysis of porcine cells infected with African swine fever virus (Universität Greifswald)

Zhao, Na (IVD): Serodiagnosis of influenza virus and Newcastle disease virus (Universität Rostock)

PhD Theses

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Diploma theses

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Master theses

Adeyemi, Olayide Abraham (INNT): Molecular Epidemiology and Characterization of Lymphocytic Choriomeningitis Virus (LCMV) (Université de Tours, Universitat Autònoma de Barcelona, Hannover Medical School)

Afolabi, Esther Taiwo (ING): Relatedness and diversity in Swedish local chicken breeds using mitochondrial DNA D-loop sequences and SNP data (Swedish University of Agricultural Sciences, Uppsala)

Buschmann, Jobst-Wilhelm (ITE): Einfluss ätherischer Öle in der Fütterung von Absetzferkeln (Hochschule Osnabrück)

Elguendafi, Younes (IfI): Untersuchung zur Ko-Evolution von Hausmäusen (*Mus musculus*) und dem Maus Hepatitis Virus (MHV) mit besonderer Berücksichtigung des zellulären Rezeptors CEACAM1 (Universität Greifswald)

Eweleit, Marie Luise (IMED): Charakterisierung von mit dem West Nil Virus infizierten, mononuklearen Zellen des peripheren Blutes, isoliert aus drei verschiedenen Wirtsarten (Hochschule Mittweida)

Hikita, Yukari (IITG): Habits, beliefs and local knowledge: Review of socio-cultural cornerstones for neglected zoonotic diseases (Université de Tours)

Klamke, Marine-Noel (IMVZ): Charakterisierung der NP-Phosphorylierung von Arenaviren und ihre Auswirkungen auf die Bildung von Einschlusskörpern (Universität Greifswald)

Kleist, Jette Frieda (IfE): Prävalenz antibiotikaresistenter Erreger in Abwässern ausgewählter Schlachthöfe (Fachhochschule Neubrandenburg)

Krueger, Gesa (IfI): Establishment and characterisation of an in vitro 3D model for bovine tuberculous granulomas (Universität Greifswald)

Kupschke, Erik Sebastian (IMVZ): Funktionelle Interaktion von filoviralen Glykoproteinen mit NPC1 verschiedener Fledertierspezies (Universität Greifswald)

Lechleiter, Nele (IfE): Parasites and Resistome of Roe Deer in Two Different Landscapes of Western Pomerania (Universität Greifswald)

Lux, Laura (INNT): Detection of *Cryptosporidium* spp. and *Giardia* spp. in small mammals in Portugal (Universität Greifswald)

Manzenberger-Weituschat, Marvin (IITG): Umweltethische Analyse der Maßnahmen zur Bekämpfung der Afrikanischen Schweinepest (Universität Greifswald)

Müller, Jendrik (IMVZ): The Influence of Mutations in the NS1 Protein of Influenza H10N7 Virus on the Interaction with Host Factors (Universität Greifswald)

Schmidt, Gabriel (IfE): Tiergesundheitsüberwachung von Rindern via Videosystem und Objekterkennung (Hochschule Neubrandenburg)

Schneemann, Sara (IfE): Evaluation of Surveillance Strategies for Early Detection of African Swine Fever in Wild Boar (Université de Tours, Universitat Autònoma de Barcelona, Hannover Medical School)

Schnittke, Lena (INNT): Etablierung eines Lateral-Flow-Assays zur Detektion des Rifttalfeiebvirus (Hochschule Neubrandenburg)

Schuhmacher, Patrick (INNT): Verbreitungsmuster des Puumala-Orthohantavirus und Leptospiren in evolutionären Linien der Rötelmaus (Universität Greifswald)

Sinhalage, Krishani Devika Wijesinghe (ING): Analysis of relatedness and genetic diversity in Swedish sheep breeds using medium density (50K) SNP data (Swedish University of Agricultural Sciences, Uppsala)

Starcky, Philip (IVD): Establishment and improvement of diagnostic methods to detect Roypretovirus infections in pythons (Universität zu Lübeck)

Tadewaldt, Nils (IMED): Identifizierung und Charakterisierung des Retentionssignals im West-Nil-Virus E-Protein (Universität Greifswald)

Westphal, Timm (IfI, INNT): Vergleichende Studien zum Einfluss des Nichtstrukturproteins NSs von verschiedenen Hantaviren auf Typ-1-Interferon Wege im Rötelmaus versus humanem System (Universität Greifswald)

Wisnewski, Kira (INNT): Untersuchungen zur Prävalenz des Hepatitis E-Virus (HEV) in Wild- und Haustieren (Universität Greifswald)

Bachelor theses

Brück, Anna Rosa (INNT): Neues Hepevirus: Geografische Verbreitung sowie Herstellung und Charakterisierung des Kapsidproteins (TH Bingen)

Ebin, Cemile (IfI): Aufklärung der Mechanismen der Interferonregulation bei Virusinfektionen in ägyptischen Flughunden (Hochschule Mannheim)

Keisler, Christoph (IMVZ): Labelling of Ebola Virus Inclusion Body Constituents by Proximity Ligation (IMC Fachhochschule Krems)

Kilian, Lena (IfE): Afrikanische Schweinepest in Mecklenburg-Vorpommern (Universität Ulm)

Schröder, Hauke (IfE): Erstellung einer App mit Shiny in R (Hochschule Emden-Leer)