



Publikationen des FLI 2020

Inhaltsverzeichnis:

| | |
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| Veröffentlichungen in referierten Zeitschriften | S. 2 - 36 |
| Veröffentlichungen in nicht referierten Zeitschriften/ Conference Proceedings | S. 36- 38 |
| Buchbeiträge | S. 38 - 39 |
| Habilitationen, Dissertationen, PhD Theses, Diplom-, Master- und Bachelorarbeiten | S. 39 - 43 |

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Abbott, D.W., I.M. Aasen, K.A. Beauchemin, F. Grondahl, R. Gruninger, M. Hayes, S. Huws, D.A. Kenny, S.J. Krizsan, S.F. Kirwan, V. Lind, U. Meyer, M. Ramin, K. Theodoridou, D. von Soosten, P.J. Walsh, S. Waters, and X. Xing. 2020. Seaweed and Seaweed Bioactives for Mitigation of Enteric Methane: Challenges and Opportunities. *Animals* 10:2432.

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Habilitationen, Dissertationen, PhD Theses, Diplom-, Master- und Bachelorarbeiten

Habilitationen

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Kurtz, Stefanie Christine (ING): An experimental study for characterization of the porcine SRY gene (Tierärztliche Hochschule Hannover)

Malchow, Julia (ITT): Enriched housing conditions in rearing male chickens differing in growth performance: Effects on animal behaviour and animal welfare (Universität Rostock)

Malomane, Dorcus Kholofelo (ING): Retrieving Patterns of Genetic Diversity in a Global Set of Chicken Breeds (Georg-August-Universität Göttingen)

Matzkeit, Beate (IfE): Vergleichende Untersuchungen zu rekombinanten *Toxoplasma-gondii*-Isolaten natürlichen Ursprungs (Universität Greifswald)

Michelitsch, Anna (IVD): Tick-borne encephalitis virus in the natural rodent reservoir: Experimental studies (Ludwig-Maximilians-Universität München)

Mißbach, Sophie (IfI): Die Analyse der karzinoembryonalen Antigen- und schwangerschaftsspezifischen Glykoprotein-Genfamilie des Pferdes (Freie Universität Berlin)

Moawad, Amira (IBIZ): Epidemiology, genotyping and antibiotic resistance of zoonotic bacteria isolated from poultry in Egypt (Freie Universität Berlin)

Murr, Magdalena (IMVZ): Newcastle Disease Viren als rekombinante Vektorimpfstoffe gegen Viruserkrankungen von Vögeln und Säugetieren (Universität Greifswald)

Parvizi, Omid (IBIZ): Overview of anaplasmosis in Arab countries in North Africa and the Middle East, and optimizing a commercial c-ELISA for camels (Freie Universität Berlin)

Radtke, Christina (IfI): Charakterisierung der pestiviralen Glykoproteine E1 und E2 (Universität Greifswald)

Rönfeldt, Sebastian (IMVZ): Struktur-Funktions-Beziehungen des Pseudorabies Virus pUL31 während der Kernfreisetzung neusynthetisierter Nukleokapside (Universität Greifswald)

Scheibner, David (IMVZ): Virulence of Avian Influenza H7 Viruses in Birds: The Impact of the Hemagglutinin Polybasic Cleavage Site on the Virulence of a Recent German H7N7 Virus and Pathogenicity of European H7N7 and H7N1 Viruses in Ducks (Freie Universität Berlin)

Schnabel, Karina (ITE): Effects of glyphosate contaminated feedstuffs and different concentrate feed proportions on health and performance of dairy cows (Tierärztliche Hochschule Hannover)

Schult, Kristin (IfI): Experimentelle Evaluierung zellbiologischer Methoden zur funktionalen Charakterisierung der Leader Protease des Maul- und Klauenseuche Virus (Universität Greifswald)

Schulz, Ansgar (INNT): Crimean-Congo hemorrhagic fever orthonairovirus (CCHFV): Surveillance studies among different livestock in sub-Saharan Africa and the molecular characterization of Hyalomma ticks serving as main reservoir and vector (Tierärztliche Hochschule Hannover)

Schulze, Vanessa (INNT, IVD): Exemplary investigations of squirrels and shrews as relevant virus reservoir hosts (Ludwig-Maximilians-Universität München)

Sehl, Julia (ATB, IMVZ): Characterization of a Pseudorabies virus mutant lacking the pUS3 kinase and the tegument protein pUL21 in vitro and in vivo and the evaluation of an improved animal model for human Herpes Simplex Encephalitis

Stoek, Franziska (INNT): Maintenance of Rift Valley fever phlebovirus during inter-epidemic periods: monitoring of vectors and identification of potential reservoir hosts (Tierärztliche Hochschule Hannover)

Ullah Khan, Aman (IBIZ): Molecular epidemiology, genotyping and antimicrobial susceptibility studies on *Brucella* spp. isolated from livestock (Freie Universität Berlin)

Weber, Saskia (IVD): Von Reservoir- bis Modelltier - Nachweis und Charakterisierung von zoonotischen Kuhpockenviren (CPXV) (Ludwig-Maximilians-Universität München)

Woelke, Sören (Leitung): Identifikation und molekulare Charakterisierung hochimmunogener mykobakterieller T-Zell-Antigene (Justus-Liebig-Universität Gießen)

PhD Theses

Mbotha, Deborah R. Nyakwea (IfE): Impact of irrigation on the inter-epidemic and between-season transmission of Rift Valley fever in Bura Sub-County, Tana River County, Kenya (Freie Universität Berlin)

Sake, Hendrik Johannes (ING): Generation and characterization of SLA class I deficient pigs for xenotransplantation (Medizinische Hochschule Hannover)

Schuster, Felix Gabor (ING): Generation of a polled phenotype in cattle using CRISPR/Cas (Tierärztliche Hochschule Hannover)

Diplomarbeiten

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Masterarbeiten

Carlson, Linn (ITE): Untersuchungen einzelner Stoffwechsel- und Entzündungsparameter bei Behandlung von Hufrehe / Laminitis (Georg-August-Universität Göttingen)

Dorsch, Anna (IMVZ): Role of vesicle-associated membrane proteins in nuclear egress of herpesviruses (Universität Greifswald)

Helmstädt, Frithjof (IfE): Prüfung unterschiedlicher Vergrämungsmöglichkeiten am Schwarzwild (*Sus scrofa*, Linnaeus 1758) unter Nutzung von Kirrplätzen als Surrogat für Schwarzwild-Kadaver (TU Dresden)

Lückemann, Alina Kathrin (ITE): Auswirkung ätherischer Öle, mit unterschiedlichen Konzentrationen in der Futtermischung auf die Leistungs- und Eiquantitätsparameter sowie Befallsstärke mit roter Vogelmilbe (*Dermanyssus gallinae*) und damit verbundene Verhaltensweisen bei Legehennen in der fortgeschrittenen Legeperiode (Fachhochschule Südwestfalen)

Müller, Sophia (IfI): Homophile und heterophile Interaktionen allelischer Varianten des Immuncheckpoints CEACAM1 (Universität Rostock)

Mundschenk, Eva Franziska (ITE): Effects of 3-nitrooxypropanol and varying concentrate proportions on rumen fermentation characteristics, microbial crude protein flow to the duodenum and efficiency of microbial crude protein synthesis in dairy cows (Humboldt-Universität Berlin)

Stahl, Maike (IMP): Sequenzanalysen und phänotypische Charakterisierung einer genetisch determinierten Tetrazyklin-Resistenz in *Chlamydia suis* (Ernst-Abbe-Hochschule Jena)

Waßmann, Irke (IMVZ): Impact of defective viral genomes and the nucleoprotein exonuclease domain on Tacaribe virus infection and the host cell antiviral response (Universität Greifswald)

Zierke, Lukas (IMVZ): Generation of reverse genetic systems for novel filoviruses (Universität Greifswald)

Bachelorarbeiten

Cornelius, Simon (ITE): Einfluss unterschiedlicher Gehalte an Strukturkohlenhydraten in der Ration auf die Energieversorgung und mikrobielle Proteinsynthese von Milchkühen (Hochschule Osnabrück)

Hartfiel, Pauline (IMED): Infektion der Stechmücke *Aedes vexans* mit dem Herzwurm *Dirofilaria immitis*: Überlebensrate und morphologische Gewebeveränderungen in der Mücke (Universität Greifswald)

Keßler, Franziska (ITT): Einfluss der Haltungsform auf das Verhältnis der Adrenal- und Interrenalzellen der Nebenniere bei Legehennen (Hochschule Neubrandenburg, University of Applied Sciences)

Kleine, Louisa Julie (ITT): Automatisierte Früherkennung von Schwanzbeißen bei Schweinen - Evaluierung des Bite-o-Mat (Georg-August-Universität Göttingen)

Mackala, Nicole (IfI): Development of novel vaccine approaches against zoonotic pulmonary diseases using the encephalitis virus replicon particle vaccine platform (Hochschule Esslingen)

Pioch, Jonathan (IfI): Characterization of the intracellular anti-mycobacterial immune response against *M. bovis* BCG using CRISPR/Cas9 technology (Hochschule für Technik und Wirtschaft Berlin)

Stiller, Annika (ITT): Untersuchung des Einflusses von Deslorelinacetat auf die Fußgesundheit von Legehennen (Georg-August-Universität Göttingen)

Sung, Mingi (IMED): A study to compare sensitivity of diagnostic test for fish virus detection (DongSeo University Busan, South Korea)

Uehre, Gina Marie (IBIZ): Charakterisierung und Antibiotika-Resistenztestung von *Staphylococcus aureus* (Friedrich-Schiller-Universität Jena)

Weigel, Carlotta (IMVZ): Neuroinfection by Rabies Virus: Anterograde Transport, Virus Distribution and Neurodegeneration in Mice and Primary Neuron Cultures (Freie Universität Berlin)