



Publications of the FLI 2020

Table of Contents

Publications in peer-reviewed journals.....	2
Publications in non-peer reviewed journals/Conference Proceedings	35
Books/Book chapters.....	38
Habilitation treatises, Doctoral, PhD, Diploma, Master and Bachelor theses.....	39
Habitations	39
Doctoral theses	39
PhD Theses.....	41
Diploma theses	41
Master theses.....	41
Bachelor theses	42

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Publications in peer-reviewed journals

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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Abd El Rahman, S., A. Ateya, M. El-Beskawy, K. Wernike, B. Hoffmann, and M. Eschbaumer. 2020. Field Observations and Genetic Characterization of Sheep-Associated Malignant Catarrhal Fever in Egypt, 2018. *Vet Sci* **7**:201.

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

Habilitations

Rubbenstroth, Dennis (IVD): Avian bornaviruses - from discovery to control (Tierärztliche Hochschule Hannover)

Sauter-Louis, Carola (IfE): Bovine Neonatal Pancytopenia : Epidemiological, clinical, and immunological investigations (Ludwig-Maximilians-Universität München)

Doctoral theses

Abdel-Gliil, Mostafa Y. (IBIZ): *In silico* genome analysis and molecular typing of *Clostridium perfringens* (Freie Universität Berlin)

Abendroth, Björn (IVD, INNT): Etablierung eines robusten DNA-Microarray-gestützten Verfahrens zur nicht gerichteten Virusdetektion mit optionaler Kopplung an eine High-Throughput-Sequencing-Technologie (Universität Greifswald)

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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)

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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 (Justus-Liebig-Universität Gießen)

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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)

Diploma theses

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Master theses

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 Eequalitätsparameter 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)

Bachelor theses

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 Haltungform 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)