

## Publikationen des FLI 2014

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

### **Habilitationen**

**Klaus, Christine (IBIZ):** Die Zecke als Vektor: Untersuchungen am Beispiel der Frühsommer-Meningoenzephalitis (FSME) Virus-Infektion (Universität Leipzig)

### **Dissertationen**

**Amann, Ralf (IfI):** Orf Virusvektor: Entwicklung neuer Selektionsstrategien, Identifikation neuer Fremdgen-Insertionsorte sowie Herstellung, Charakterisierung und Wirksamkeit eines rekombinanten Tollwutimpfstoffs (Eberhard-Karls-Universität Tübingen)

**Angermann, Marlies** (INNT): Untersuchungen zur Infizierbarkeit neuronaler Stammzellen von Tgbov XV-Mäusen mit TSE-Erregern sowie zur Transplantation dieser Stammzellen ins Gehirn PrP<sup>C</sup>-defizienter Mäuse (Tierärztliche Hochschule Hannover)

**Eidam, Christopher** (ING): Molecular analysis of multiresistant *Mannheimia haemolytica* isolates with particular reference to novel macrolide resistance genes and variants of the integrative and conjugative element ICE pmu1 (Tierärztliche Hochschule Hannover)

**vom Brocke, Astrid Luise Lydia Elfi** (ITT): A step to reducing tail biting in finisher pigs: Can a management tool help pigs and farmers? (Georg-August-Universität Göttingen)

**Ebrahem, Mohammad** (ITE): Effects of feeding deoxynivalenol (DON) contaminated wheat to laying hens of different genetic background and roosters on health, performance and reproductive performance of hens and roosters (Tierärztliche Hochschule Hannover)

**Fischer, Melina** (IVD): Molecular characterization of segmented & non segmented RNA viruses exemplary for orthobunya- and lyssaviruses (Ernst-Moritz-Arndt-Universität Greifswald)

**Gorniak, Tobias** (ITE): Silage maize variety and heat stress - effects on nutritive value of maize silage and on digestion events and performance of ruminants (Rheinische Friedrich-Wilhelms-Universität Bonn)

**Haß, Maria** (IfI): Einfluss VP2-kodierender Sequenzen und verschiedener Translationsinitiationsfaktoren auf die Translationsreinitiation des kleinen Kapsidproteins beim Felinen Calicivirus (Eberhard Karls Universität Tübingen)

**He, Xiaocui** (IfI): Innate Immune Responses of European Bats against Lyssaviruses (Ernst-Moritz-Arndt-Universität Greifswald)

**Jacob, Franziska** (ING): Isolierung, in vitro Kultivierung und Charakterisierung Keimbahn-spezifischer Stammzellen beim Schwein (Tierärztliche Hochschule Hannover)

**Kaatz, Martin** (INNT): Ausbreitung der klassischen BSE-Prion-Erreger vom Darm über das periphere Nervensystem zum Gehirn (Tierärztliche Hochschule Hannover)

**Krüger, Christin** (IMP): Wirt-Erreger-Interaktionen in der klinisch inapparenten Phase nach oraler Inokulation von Ziegenlämmern mit *Mycobacterium avium* subsp. *paratuberculosis*: makroskopische, histologische und immunhistologische Befunde im zeitlichen Verlauf. Tierärztliche Hochschule Hannover)

**Kullik, Kristin** (ITE): Interactions between the mycotoxin deoxynivalenol (DON) and lipopolysaccharides (LPS) on protein metabolism and immune system in pig (Tierärztliche Hochschule Hannover)

**Leidel, Fabienne** (INNT): Systematische Entwicklung neuer Wirkstoffe für die kausale Therapie von Prionkrankheiten (Tierärztliche Hochschule Hannover)

**Lyimo, Charles Moses** (ING): Genetic Characterization of Tanzanian Indigenous Chickens in Relation to the Worldwide Spectrum of Chicken Diversity (Georg-August-Universität Göttingen)

**Madey, Dana Patricia** (ITT): Evaluation of a software-based intervention tool for the reduction of tail biting in German fattening pigs (Stiftung Tierärztliche Hochschule Hannover)

**Negatsch, Alexandra** (IMVZ): Vergleichende Analysen zur Replikation und zum intraaxonalen Transport des Pseudorabiesvirus und des Herpes Simplex Virus Typ 1 in primären Rattenneuronen (Universität Leipzig)

**Otten, Caroline** (ITE): Effects of varying supply of essential amino acids and energy on voluntary feed intake, performance, nitrogen retention and chemical body composition of growing-finishing boars (Martin-Luther-Universität Halle-Wittenberg)

**Remling, Nicole** (ITE): Influence of fumaric acid supplementation on animal health, acid-base balance, ruminal fermentation and energy benefit of growing bulls and fistulated dairy cows (Leibniz Universität Hannover)

**Rempe, Inga** (ITE): Investigations of time-dependent effects of dietary deoxynivalenol and zearalenone exposure on female piglets and in vivo evaluation of a feed decontamination procedure (Martin-Luther-Universität Halle-Wittenberg)

**Renner, Lydia** (ITE): Effects of conjugated linoleic acids on the function of bovine immune cells *ex vivo* and *in vitro* (Martin-Luther-Universität Halle-Wittenberg)

**Röhrs, Susanne** (IVD): A Neuraminidase-negative Variant of Highly Pathogenic Avian Influenza Virus H5N1 - Generation, Characterization and Use as a Model for Early Onset of Immunity (LMU München)

**Scharf, Maria** (ITE): Investigations on the effects of conjugated linoleic acids and dietary concentrate proportion on performance and various physiological parameters of periparturient dairy cows and their calves (Martin-Luther-Universität Halle-Wittenberg)

**Schatz, Juliane** (IMVZ): Untersuchungen zum Vorkommen der Fledermaustollwut in Deutschland (Ernst-Moritz-Arndt-Universität Greifswald)

**Schulz, Johanna** (ITT): Maßnahmen zur Bekämpfung der Roten Vogelmilbe (*Dermanyssus gallinae*) in der ökologischen Legehennenhaltung (Freie Universität Berlin)

**Schulz, Katharina Stephanie** (IMVZ): Untersuchung des pUL31- und pUL34-unabhängigen Kernaustritts des Pseudorabies Virus (Ernst-Moritz-Arndt-Universität Greifswald)

**Steglich, Constanze** (IMVZ): Immunisierung des Geflügels gegen Hochpathogene Aviäre Influenza und Newcastle Disease mit Hilfe rekombinanter Newcastle Disease Viren (Ernst-Moritz-Arndt-Universität Greifswald)

**Tauscher, Kerstin** (INNT): Studie zur Pathogenese der Bovinen Spongiformen Enzephalopathie der Ziege (Tierärztliche Hochschule Hannover)

**Wenez, René** (IfI): Translations-Reinitiation bei Caliciviren - Struktur-/Funktionsbeziehungen im relevanten RNA Motiv (Eberhard-Karls-Universität Tübingen)

**Wirtz, Sabine** (IfI): Gezielte Attenuierung und Markierung von Viren der klassischen Schweinepest durch Mutation - Ansätze zur Entwicklung einer neuartigen CSFV DIVA-Vakzine (Freie Universität Berlin)

**Wroblewitz, Stefanie** (ITE): Influence of climate change on nutritive value of cereal grains: Chemical-analytical characterization with a special focus on the composition of protein fractions (Technische Universität Braunschweig)

#### PhD Theses

**González Serrano, Andrés Felipe** (ING): Effects of rumen-protected conjugated linoleic acid supplementation on the quality of bovine oocytes and embryos (Tierärztliche Hochschule Hannover)

**Ostermann, Carola** (IMP): Evaluation and pathophysiological characterisation of a bovine model of respiratory Chlamydia psittaci infection (Freie Universität Berlin, Fachbereich Veterinärmedizin)

**Talluri, Thirumala Rao** (ING): Approaches for the derivation of induced pluripotent stem cells from cattle (Tierärztliche Hochschule Hannover)

**Wendlandt, Sarah** (ING): Comparative molecular analysis of Staphylococcus aureus from intensive livestock farming with emphasis on LA-MRSA of poultry origin (Tierärztliche Hochschule Hannover)

## Diplomarbeiten

**Krüger, David (IMP):** Charakterisierung der bovinen, intestinalen Epithelzelllinie FKD-R hinsichtlich ihres Zytokinbildungsvermögens und der Rezeptorausstattung (Friedrich-Schiller-Universität Jena, Biologisch-Pharmazeutische Fakultät)

**Zhu, Yaqing (IfI):** Interferon-Antwort gegen Lyssaviren in europäischen Fledermausspezies (Ernst-Moritz-Arndt-Universität Greifswald)

## Staatsexamen

**Hartwiger, Julia (ITE):** Methodenentwicklung und -validierung zur Bestimmung von L-Tryptophan und seinem Metaboliten L-Kynurenin im Blutplasma mittels HPLC, gekoppelt an Diodenarray- und Fluoreszenz-Detektor sowie Überprüfung der Anwendbarkeit der Methode im Tiermodell Schwein (TU Braunschweig)

**Lippelt, Manuela (ITE):** Entwicklung einer Probenaufarbeitungsmethode zur Bestimmung von Zearalenon und Deoxynivalenol sowie deren Metaboliten in Leber mittels LC-ESI-MS/MS (TU Braunschweig)

## Masterarbeiten

**Enger, Eileen (ITE):** Optimierung der Inkubationsbedingungen bei einer Probenaufarbeitungsmethode für die Bestimmung von Deoxynivalenol, Zearalenon und deren Metaboliten in Schweineharn mittels LCMS/MS (Friedrich-Schiller-Universität Jena)

**Karnholz, Carina (ITT):** Schwanzverletzungen bei Schlachtschweinen in Deutschland: Prävalenz und Beeinflussung durch ein Management-Tool (Universität für Bodenkultur Wien)

**Luhmann, Tim (ITE):** Einfluss der Supplementierung von Vitamin E im Milchaustauscher auf Leistungs-, Stoffwechsel- und Gesundheitsparameter bei Kälbern der Rasse Deutsche Holstein (Georg-August-Universität Göttingen)

**Ryll, René (INNT):** Bioinformatische Analyse eines überlappenden, potentiellen offenen Leserahmens von Hantaviren (Ernst-Moritz-Arndt-Universität Greifswald)

**Schröter, Anna Josephina (IMVZ):** Molekulare Mechanismen des axonalen Transports von Tollwutviren (Ernst-Moritz-Arndt-Universität Greifswald)

## Bachelorarbeiten

**Balk, Sara (IMP):** Untersuchung der Genexpression immunmodulierender Zytokine im lymphatischen Gewebe an der Ileoözäkal-Klappe von Ziegen nach experimenteller Infektion mit *Mycobacterium avium* subsp. *paratuberculosis* (Friedrich-Schiller-Universität Jena)

**Böttcher, Veronika (INNT):** Vergleichende biomathematische Analyse von Viren mit unterschiedlicher Genomorganisation (Ernst-Moritz-Arndt-Universität Greifswald)

**Cuypers, Fabian (INNT):** Vergleichende Analyse des Hantavirusvorkommens in Rötelmäusen aus Nordwest- und Ostdeutschland (Ernst-Moritz-Arndt-Universität Greifswald)

**Deininger, Natalie (IMP):** Etablierung eines in-house-Sandwich-ELISAs zum Nachweis von Shigatoxinen und -toxoiden (Ernst-Abbe-Fachhochschule Jena)

**Gerhard, Marika (IMVZ):** Charakterisierung der Mutationen im Hüllglykoprotein H des Pseudorabies Virus Vakzinestammes Bartha (Ernst-Moritz-Arndt-Universität Greifswald)

**Hammacher, Tim (IfI):** Untersuchungen zu CEACAMs von Rind und Schwein sowie funktioneller Vergleich der ITAM in Vertebrat (Fachhochschule Aachen, Campus Jülich)

**Haug, Janina (INNT):** Bioinformatische Analyse eines potentiellen überlappenden Leserahmens bei Hepeviren (Ernst-Moritz-Arndt-Universität Greifswald)

**Junker, Tanja (IMVZ):** Expression und funktionelle Charakterisierung einer kodonoptimierten T7-RNA-Polymerase zur Herstellung rekombinanter Tollwutviren (Ernst-Moritz-Arndt-Universität Greifswald)

**Kubičková, Barbara (INNT):** Charakterisierung von Hepatitis E-Virus-spezifischen monoklonalen Antikörpern (Ernst-Moritz-Arndt-Universität Greifswald)

**Lütgeharm, Jobst-Heinrich (ITT):** UV-Fluoreszenz und UV-Reflexion im Gefieder von Mastputen der Herkunft B.U.T. 6 (Hochschule Anhalt)

**Murr, Magdalena (IMVZ):** Generierung und Charakterisierung von Phosphoprotein-Mutanten des Newcastle Disease Virus (Ernst-Moritz-Arndt-Universität Greifswald)

**Peisker, Madlen (IMP):** Molekulare serologische Untersuchungen von Chlamydien-Infektionen in Tier und Mensch mittels Peptid-Mikroarraytest (Friedrich-Schiller-Universität Jena)

**Post, Christian (ITE):** Untersuchungen zum Einsatz von Pressschnitzel- und Maissilage in Rationen mit unterschiedlichem Konzentratanteil auf ausgewählte zootechnische Parameter in der Bullenmast (Hochschule Osnabrück)

**Zaack, Luca Mirco (IMVZ):** Untersuchungen zur molekularen Interaktion paramyxoviraler Matrixproteine mit dem Wirtszellfaktor ANP32B (Ernst-Moritz-Arndt-Universität Greifswald)