



Publications of the FLI 2014

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Publications in peer-reviewed journals

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Doctoral theses

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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

Al-Qamashoui, Badar (ING): Towards Conservation of Omani Local Chicken: Management, Performance and Genetic Diversity (Georg-August-Universität Göttingen)

Cong, Van Chi Cong (ING): MolabIS: A Labs Backbone for Storing, Managing and Evaluating Molecular Genetics Data (Georg-August-Universität Göttingen)

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)

State examination

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)

Diploma theses

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)

Master theses

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)

Bachelor theses

Balk, Sara (IMP): Untersuchung der Genexpression immunmodulierender Zytokine im lymphatischen Gewebe an der Ileozäkalklappe 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 zootecnische 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)