

Publikationen des FLI 2016

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Abdelwhab, E.M., C. Grund, M.M. Aly, M. Beer, T.C. Harder, H.M. Hafez. 2016. Benefits and Limits of Egg Yolk vs. Serum Samples for Avian Influenza Virus Serosurveillance. *Avian Dis* **60**:496-499.

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Habilitationen, Dissertationen, PhD Theses, Master- und Bachelorarbeiten

Habilitationen

Blome, Sandra (IVD): Classical and African swine fever: State-of-the-art diagnostics and control measures (Freie Universität Berlin)

Dissertationen

Angenvoort, Joke Henriette (INNT): West Nile virus: Vaccination and pathogenesis studies in large falcons and mice (Tierärztliche Hochschule Hannover)

Blodkamp, Stefanie (ING): The effect of antimicrobial peptides on the innate host responses against zoonotic *Staphylococcus aureus* (Tierärztliche Hochschule Hannover)

Brezina, Ulrike (ITE): Determination of zearalenone, deoxynivalenol and their metabolites in physiological samples of pigs with LC-MS/MS: Development of multi-mycotoxin methods and verification through a dose-response feeding study (Westfälische Wilhelms-Universität Münster)

Dräger, Carolin (IVD): Safety and efficacy of a novel live marker vaccine against Classical swine fever virus (Ernst-Moritz-Arndt-Universität Greifswald)

Drewes, Stephan (INNT): Reservoir-driven inhomogeneous distribution of human Puumala virus cases in Central Europe (Ernst-Moritz-Arndt-Universität Greifswald)

Drong, Caroline (ITE): Effects of monensin and essential oils on ruminal fermentation, performance, energy metabolism and immune parameters of dairy cows during the transition period (Tierärztliche Hochschule Hannover)

Entorf, Monika (ING): Vergleichende Analyse der In-vitro-Empfindlichkeit Gram-positiver Erreger boviner Mastitiden gegenüber Tylosin mittels Bouillon-Mikrodilution und Agardiffusion (Tierärztliche Hochschule Hannover)

Feßler, Andrea Theresia (ING): Studien zu Qualitätskontrollbereichen und klinischen Grenzwerten für Cefoperazon zur Bekämpfung boviner Mastitiden (Tierärztliche Hochschule Hannover)

Fischer, Kerstin (INNT): Molecular studies on the virus diversity and virus distribution in bats in Germany and development of a novel Enzyme-linked Immunosorbent Assay for the detection of henipavirus antibodies (Tierärztliche Hochschule Hannover)

Hilbert, Angela (IfE): *Coxiella burnetii* - Epidemiologische Untersuchungen zum Vorkommen und zur Verbreitung in Schaf- und Rinderbeständen in Deutschland (Freie Universität Berlin)

Jenckel, Maria (IVD): Next-generation sequencing for molecular epidemiology and comparative virulence analyses of epizootic and zoonotic pathogens (Ernst-Moritz-Arndt-Universität Greifswald)

Kwasnitschka, Linda Cecile (INNT): Untersuchungen zum Vorkommen von Fledermaus-assoziierten Virusinfektionen in Deutschland und zur Diagnostik und molekularen Pathogenese Flughund-assoziiierter zoonotischer Paramyxoviren (Tierärztliche Hochschule Hannover)

Nieter, Johanna (IMP): Beiträge zur Verbesserung molekularbiologischer Untersuchungsmethoden zum Nachweis von Mykobakterien-Infektionen in tierischem Gewebe (Universität Leipzig)

Peters, Anja (ITE): Effects of an exogenous fibrolytic enzyme additive on ruminal fermentation, nutrient digestion, performance and health status in early and mid-lactation dairy cows (Martin-Luther-Universität Halle-Wittenberg)

Rehman, Abdul (IfE): Epidemiology of Ticks and Tick-borne Pathogens in the Semi-arid and the Arid Agro-ecological Zones in Pakistan (Freie Universität Berlin)

Riesenberg, Anne (ING): Erarbeitung eines standardisierten Verfahrens zur antimikrobiellen Empfindlichkeitsprüfung von *Rhodococcus equi* (Tierärztliche Hochschule Hannover)

Sander, Stephanie (ING): Luminometrische Verlaufskontrolle des ATP-Gehaltes von floureszenzmetrisch geschlechtsdifferenzierten bovinen Spermien (Tierärztliche Hochschule Hannover)

Schneeberg, Alexander (IBIZ): Untersuchung zur Prävalenz und DNA-Microarray-basierende Typisierung von *Clostridium difficile* bei Heim- und Nutztieren (Ernst-Moritz-Arndt-Universität Greifswald)

Schröter, Christina (IMVZ): Molekulare Mechanismen der Membranfusion bei Herpesviren - Einfluss spezifischer Mutationen in den Pseudorabies Virus Glykoproteinen B, H und D auf die Fusionsaktivität (Ernst-Moritz-Arndt-Universität Greifswald)

Schulte-Ebbert, Laura (ITE): Effects of addition of phytase, phosphorus and zinc to ruminant diets on rumen metabolism, digestion and performance (Martin-Luther-Universität Halle-Wittenberg)

Schulz, Katja (IfE): Klassische Schweinepest beim Wildschwein: Evaluation verschiedener Überwachungsstrategien in Zeiten der Seuchenfreiheit (Freie Universität Berlin)

Schulz, Kirsten (ITE): Influence of body condition and dietary energy supply on lipolysis, ketogenesis and immune system of periparturient dairy cows with special regard to dipeptidyl peptidase-4 (Rheinische Friedrich-Wilhelms-Universität Bonn)

Sobotta, Katharina (IMP): Biomarker zur Beurteilung der Virulenz von *Coxiella burnetii* in verschiedenen Wirten (Friedrich-Schiller-Universität Jena)

Soschinka, Anneka (IMP): Etablierung eines caprinen Infektionsmodells für die Paratuberkulose sowie Nachweis und Charakteristik der spezifischen Immunantwort gegenüber *Mycobacterium avium* subsp. *paratuberculosis* (MAP) unter Berücksichtigung verschiedener diagnostischer Fragestellungen (Freie Universität Berlin)

Tienken, Reka Susanne (ITE): Niacin in dairy cow rations: Investigations on the bioavailability of niacin and its interactions with dietary energy density on the health and performance of dairy cows (Tierärztliche Hochschule Hannover)

Tucakov, Anna Katharina (IfI): Gezielte Attenuierung und Markierung von Pestiviren: Charakterisierung eines Virulenzmarkers & Kartierung eines hochkonservierten Epitops (Ludwig-Maximilians-Universität München)

Wessels, Ute (IMVZ): Identifizierung von Virulenzdeterminanten in aviären und porcinen Influenzaviren mittels reverser Genetik in relevanten Tiermodellen (Ernst-Moritz-Arndt-Universität Greifswald)

Zielke, Dorothee E. (IMED): Population genetics and distribution of the invasive mosquito *Aedes japonicus japonicus* (Diptera: Culicidae) in Germany and Europe (Ernst-Moritz-Arndt-Universität Greifswald)

PhD Theses

Bernal Ulloa, Sandra Milena (ING): Experimental studies into the role of cAMP in bovine oocyte maturation and embryo developmental competence (Tierärztliche Hochschule Hannover)

Mukherjee, Ayan (ING): Approaches for the development of a transposon based vaccine against classical swine fever virus (Tierärztliche Hochschule Hannover)

Noe, Elena Ariane (IMP): Characterization of Protein Kinase C Alpha Deficiency in a Mouse Model (Freie Universität Berlin)

Prohl, Annette Charlotte (IMP): Evaluation of antimicrobial treatment strategies against *Chlamydia psittaci* using a bovine respiratory infection model (Freie Universität Berlin)

Schären, Melanie (ITE): Effects of a ration change from a silage and concentrate- to a pasture-based ration on the production, health and rumen physiology of dairy cows (Tierärztliche Hochschule Hannover)

Masterarbeiten

Blume, Leonie (ING): Untersuchungen zur OCT4-Expression in Oct4-EGFP transgenen Sauen (Georg-August-Universität Göttingen)

Braun, Alexandra (ITT): Investigations of regional brain volumes in two lines of laying hens (*Gallus gallus*) kept in different housing systems (Universität Bayreuth)

Einenkel, Rebekka (IfI): Einfluss zellautonomer Abwehr gegen Chlamydien in humanen Epithelzellen (Ernst-Moritz-Arndt-Universität Greifswald)

Fechtner, Susanne (IVD): Optimization of taxonomic classification of nucleotide sequences based on elementary sequence information (Ernst-Moritz-Arndt-Universität Greifswald)

Gerhard, Marika (IMVZ): Mutationsraten von Influenza-A-Viren: Etablierung neuartiger selektionsunabhängiger Methodiken (Ernst-Moritz-Arndt-Universität Greifswald)

Glaser, Anne-Sophie (ITT): Ansprüche von Junghennen und Junghähnen an die Qualität von Sitzstangen und deren Optimierung in der Aufzuchtphase (Universität Rostock)

Hilner, Thomas (ITE): Effizienz einer Deoxynivalenol (DON) - Reduktion in kontaminiertem Ferkelfutter durch den Einsatz von Natriumsulfit sowie deren mögliche Effekte auf die Leistungen der Tiere (Hochschule Osnabrück)

Jagdmann, Sandra (INNT): Sequenzevolution im S-Segment des Puumalavirus (Ernst-Moritz-Arndt-Universität Greifswald)

Janke, Una (IfI): Immunologische Charakterisierung der onkolytischen Wirkung des Newcastle Disease Virus (NDV) im Pankreas-Tumor-Modell (Ernst-Moritz-Arndt-Universität Greifswald)

Lüders, Carolin (ITT): Persönlichkeitstest bei Hühnern (Universität Bielefeld)

Müller, Anne (IfI): Vergleichende Untersuchung von APCs (dendritische Zellen und Makrophagen) während einer chlamydialen Infektion (Ernst-Moritz-Arndt-Universität Greifswald)

Murr, Magdalena (IMVZ): Rekombinante Newcastle Disease Viren zur Impfung gegen die Pest der kleinen Wiederkäuer und die hochpathogene aviäre Influenza (Ernst-Moritz-Arndt-Universität Greifswald)

Rähse, André-Fabian (ITE): Analyse des oxidativen/antioxidativen Status von Milchkühen während der Transitperiode unter Vitamin E und/oder CLA-Einfluss (Beuth Hochschule für Technik Berlin)

Reinhard, Ann-Kathrin (ITT): Untersuchung des Einflusses von Suprelorin® auf die Follikelbildung, die Brustbeingesundheit und die 17 β -Estradiol-Konzentration im Plasma von LSL-Hennen (Georg-August-Universität Göttingen)

Schmiedeke, Julia (IfI): Development of immunocompetence in the chicken (Universität Lübeck)

Semenow, Jana C. (ITE): Einfluss von Glyphosatrückständen in Futtermitteln auf Wiederkauaktivität, pH-Wert im Pansen und Pansenfermentation bei Milchkühen (Martin-Luther-Universität Halle-Wittenberg)

Strutzke, Saskia (ITE): Vergleichende histologische Untersuchungen des gastro-intestinalen Systems beim Schwein und Broiler (Georg-August-Universität Göttingen)

Thomas, Patrizia (ING): Molekulare Charakterisierung von Staphylokokken von Zoo- und Wildtieren (Leibniz-Universität Hannover)

Wünsche, Christine (IMP): Entwicklung einer Reverse-Transkriptase-Echtzeit-PCR zur Quantifizierung von Gamma-Interferon-mRNS als Nachweis der Tuberkulose beim Hund (Friedrich-Schiller-Universität Jena)

Bachelorarbeiten

Balz, Christina (ITT): Druckbelastung bei der Nutzung von Sitzstangen und Plattformen durch Putenhennen (Hochschule Osnabrück)

Bartels, Annika (ITE): Einfluss unterschiedlicher Futtermittelbearbeitungsverfahren bei Mischfutter auf Leistung, Verdaulichkeit und Chymusviskosität bei Broilern (Hochschule Anhalt)

Christen, Michael (IMVZ): Mechanismen der Zellkulturadaptierung bei Tollwutvirus-Feldisolaten (Ernst-Moritz-Arndt-Universität Greifswald)

Krey, Britta (ITE): Einfluss von Vitamin E auf die Pansenfermentation und die mikrobielle Proteinsynthese bei Milchkühen (Hochschule Neubrandenburg)

Simon, Selina (IBIZ): Genotypisierung von Isolaten der Bakterienspezies *Francisella tularensis* subsp. *holarctica* aus Deutschland aus dem Jahr 2015 (Fachhochschule Mittweida)

Simons, Fabian (ING): Markergestützte Auswahl von Hähnen alter und bedrohter Haushuhnrasen zur Anlage einer Kryokonserven (Georg-August-Universität Göttingen)

Vater, Eric (IMP): Eicosanoide als potentielle Biomarker in der Pathophysiologie der Paratuberkulose (Friedrich-Schiller-Universität Jena)