



Publikationen des FLI 2015

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

Habilitationen

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Dissertationen

Abass, Naglaa Abd El Hakeem (IfE): An Epidemiologic Study of Canine Echinococcosis and Livestock Hydatidosis in the Sudan (Freie Universität Berlin)

Bauer, Anja (IMVZ): Identifizierung und Charakterisierung zellulärer Interaktoren der Rabiesvirus Polymerase und des Hendravirus Matrixproteins (Ernst-Moritz-Arndt-Universität Greifswald)

Bergmann, Annabel (ING): Sperm binding properties to uterine epithelial cells in vitro employing a primary porcine endometrium culture system (Georg-August-Universität Göttingen)

Böhm, Sebastian (IMVZ): Structure based functional analyses of pseudorabies virus glycoprotein H (Ernst-Moritz-Arndt-Universität Greifswald)

Brandl-Schwabe, Annett (ITE): Einfluss von Seltenen Erden auf Gesundheit und Leistung von Wiederkäuern und Carry over Seltener Erden in essbare Gewebe und Knochen (Martin-Luther-Universität Halle-Wittenberg)

Hamm, Katharina Maria Theresia (IMP): Experimentelle Infektion von Kälbern mit *Escherichia coli* O104:H4 (Justus-Liebig-Universität Gießen)

Hechinger, Silke (IVD): Development and efficacy testing of inactivated vaccines against Schmallenberg virus infection in cattle and sheep (Ludwig-Maximilians-Universität München)

Henning, Ann-Kristin (IMVZ): Anwendungen der qualitativen und quantitativen shotgun MALDI-TOF/TOF Massenspektrometrie im Rahmen der Tiergesundheit: Proteomanalyse des Rinderplasmas und Untersuchungen zu Virus-Wirt-Interaktionen (Ernst-Moritz-Arndt-Universität Greifswald)

Huong, Dang Thi (IfI): Functional and molecular characterization of T cells and Natural killer (NK) cells in rainbow trout (*Oncorhynchus mykiss*) (Ernst-Moritz-Arndt-Universität Greifswald)

Jäckel, Susanne (INNT): Development of novel diagnostic assays for the detection and surveillance of Rift Valley fever virus infections in ruminants and camels (Tierärztliche Hochschule Hannover)

Kägebein, Danny (IfI): Untersuchungen zur MHC Klasse I-vermittelten Präsentation chlamydialer Peptidantigene in Dendritischen Zellen (Ernst-Moritz-Arndt-Universität Greifswald)

Kamp, Annegret (IfI): Untersuchungen zur Lokalisation und molekularen Interaktion von CEACAM16, einem hochkonservierten Mitglied der CEA-Familie (Ludwig-Maximilians-Universität München)

Kirchner, Jasmin (ITT): Practical application of a call feeding station in gestating sows considering agonistic interactions, lesions and learning abilities in group housed sows (Martin-Luther-Universität Halle-Wittenberg)

Krautz, Karoline (IfI): Neuropathologische Langzeitveränderungen im Gehirn von Lewis-Ratten nach neonataler Aerosol-Infektion mit dem Borna-Disease-Virus (Justus-Liebig-Universität Gießen)

Kreibich, Anne (IMVZ): Untersuchungen zum Reassortment von aviären und humanen Influenza-A-Viren des Subtyps H3 unter Verwendung der Reversen Genetik (Ernst-Moritz-Arndt-Universität Greifswald)

Lieboldt, Marc-Alexander (ITE): Effects of L-arginine on metabolism and immune response in layer-type chickens of different genetic backgrounds under physiological and pathophysiological conditions (Tierärztliche Hochschule Hannover)

Mancini, Roberto (ING): Detection of Y-chromosome bearing bovine sperm using laser-generated gold nanoparticle bio-conjugates (Tierärztliche Hochschule Hannover)

Michael, Geovana Brenner (ING): Molecular analysis of a multi-resistant bovine *Pasteurella multocida* strain from the U.S.A. (Tierärztliche Hochschule Hannover)

Osman Elhag, Nussieba Ahmed (INNT, IMVZ): Expression studies of peste des petits ruminants virus (PPRV) haemagglutinin and fusion envelope glycoproteins (Tierärztliche Hochschule Hannover)

Paßvogel, Katharina (IMVZ): Generierung und Evaluierung rekombinanter Pseudorabies Virus basierter Vektor-Vakzine zur Immunisierung von Schweinen gegen das pandemische H1N1 Influenzavirus von 2009 (Ernst-Moritz-Arndt-Universität Greifswald)

Paßvogel, Lars (IMVZ): Analyse funktioneller Domänen in den Kernfreisetzungskomplexproteinen pUL31 und pUL34 des Pseudorabies Virus (Ernst-Moritz-Arndt-Universität Greifswald)

Petrov, Anja (IVD): Design and validation of optimized tools for Classical and African swine fever surveillance and pathogenesis research (Ludwig-Maximilians-Universität München)

Pietschmann, Jana (IVD): Afrikanische Schweinepest - Charakterisierung aktueller Isolate sowie Entwicklung und Testung praxistauglicher Überwachungsoptionen (Ludwig-Maximilians-Universität München)

Querengässer, Friederike (IfE): Potentielle Risikofaktoren für das Auftreten der Infektion mit dem Schmallenberg-Virus in deutschen Rinder- und Schafbetrieben (Freie Universität Berlin)

Richter, Maria (IVD): Molekularbiologische Charakterisierung des „Bungowannah-Virus“, eines außergewöhnlichen Mitgliedes des Genus Pestivirus (Ernst-Moritz-Arndt-Universität Greifswald)

Schäfer, Mandy (IMED): A survey of the German mosquito fauna (Diptera: Culicidae) and identification of associated pathogens (Rheinische Friedrich-Wilhelms-Universität Bonn)

Scheuch, Matthias (IVD): Metagenomanalyse von Sequenzdaten aus diagnostischen Proben zur Erregeridentifikation (Ernst-Moritz-Arndt-Universität Greifswald)

Schinköthe, Jan (IMP): Experimental oral infection of goats with *Mycobacterium avium* subsp. hominissuis: Pathomorphological characterization of lesions in different courses of disease with special focus on cellular composition of granulomas (Tierärztliche Hochschule Hannover)

Schlosser, Josephine (INNT): Transmission and pathogenesis of hepatitis E virus infection in European wild boar and domestic pigs, and the establishment of a small animal model for hepatitis E (Tierärztliche Hochschule Hannover)

Schürmann, Katharina Helene Christine (ING): Entwicklung eines phosphatfreien Verdünnens zur Verbesserung der Qualität von Hengstsamen (Tierärztliche Hochschule Hannover)

Sheikh Ali, Hanan (INNT): Molecular evolution of the bank vole-borne Puumala hantavirus in Central Europe (Tierärztliche Hochschule Hannover)

Stelter, Katrin (ITE): *Origanum vulgare* L. and *Tropaeolum majus* L. in feeding of young pigs - Effects on health and performance (Martin-Luther-Universität Halle-Wittenberg)

Tiedemann, Daniela (ING): Interaction of engineered metal nanoparticles and porcine gametes (Tierärztliche Hochschule Hannover)

Wareth, Gamal Abdelaziz Mohamed (IBIZ): Molecular Epidemiology of Brucellosis in Egypt, Diagnostic Procedures, Proteomics and Pathogenesis Studies (Freie Universität Berlin)

Wendlandt, Sarah (ING): Grampositive Kokken von Tieren als Träger neuer und selten nachgewiesener antimikrobieller Resistenzgene (Tierärztliche Hochschule Hannover)

Winkler, Janine (ITE): Development of analytical methods for the simultaneous determination of the Fusarium toxins zearalenone, deoxynivalenol and their metabolites in physiological samples of dairy cows and verification through a dose-response feeding study (Technische Universität Braunschweig)

PhD Theses

Ahrens, Hellen Elisa (ING): Experimental approaches towards overcoming the acute vascular rejection associated with pig-to-primate xenotransplantation (Medizinische Hochschule Hannover)

Joekel, Deborah Elisabeth (IfE): Rekombinante Antigene als Vakzinekandidaten gegen den Rinderlungenwurm *Dictyocaulus viviparus* - in vitro Untersuchungen und Immunisierungsversuche (Tierärztliche Hochschule Hannover)

Rerkyusuke, Sarinya (IMP): Investigations on the intravital diagnoses of Paratuberculosis in Goats (Tierärztliche Hochschule Hannover)

Diplomarbeiten

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Masterarbeiten

Belka, Ariane (IVD): Untersuchungen zur taxonomischen Klassifizierung von Nukleotidsequenzen auf der Basis elementarer Sequenzinformation (Ernst-Moritz-Arndt-Universität Greifswald)

Dalman, Anja (IMVZ): Klonierung und Expression von Orthobunyavirus-Sequenzen zur Etablierung reverser genetischer Systeme und Analyse molekularer Virus-Wirt-Interaktionen (Ernst-Moritz-Arndt-Universität Greifswald)

Dih, Mbaringong Maxine (ING): Toxicity of gold nanoparticles on in vitro fertilization in pigs (Christian-Albrechts-Universität Kiel)

Forth, Jan Hendrik (Leitung): Standardisierung eines nicht-invasiven Beprobungssystems zur Infektionsüberwachung bei Wildschweinen (*Sus scrofa*) (Ernst-Moritz-Arndt-Universität Greifswald)

Gödde, Jens (ITE): Überprüfung der Empfehlungen für kritische Konzentrationen von Deoxynivalenol und Zearalenon im Futter von Mastbullen (Hochschule Osnabrück)

Goering-Habenicht, Susanne (ITE): Untersuchungen zum Einfluss der Intensität des Einsatzes von Milchaustauschern bei Kälbern auf ausgesuchte Leistungs- und Effizienzparameter dieser Tiere als Milchkühe (Georg-August-Universität Göttingen)

Günther, Maria (IMVZ): Einfluss von viralen Matrixproteinen auf die Funktionen des aciden nukleären Phosphoproteins ANP32B (Ernst-Moritz-Arndt-Universität Greifswald)

Jostmeier, Sandra (ITE): Untersuchung zum Vergleich der T-Aufnahme und Leistung von Kühen der Rasse Deutsche Holstein bei TMR- und weidebasierter Fütterung unter besonderer Berücksichtigung der Umstellung auf die Weidefütterung (Georg-August-Universität Göttingen)

Judel, Andreas (IMVZ): Expression von Synzytien induzierender Proteine des neuartigen Fisch-Paramyxovirus DF20/00 und Definition fusionsaktiver Domänen (Ernst-Moritz-Arndt-Universität Greifswald)

Mühlenbeck, Larissa Helen (IMVZ): Cloning and Characterization of a Low Pathogenic H7N7 Avian Influenza Virus with an Artificial Multibasic Cleavage Site (Rheinische Friedrich-Wilhelms-Universität Bonn)

Röttinger, Irene (ING): Analyse der OCT4-Expression im Oct4-EGFP-transgenen Schweinemodell (Tierärztliche Hochschule Hannover)

Ruesink, Stefanie (ITE): Vergleich der Stickstoffnutzung von Milchkühen der Rasse Deutsche Holstein bei TMR- und weidebasierter Fütterung (Georg-August-Universität Göttingen)

Schneider, Julia (INNT): Geographische Verbreitung und phylogenetische Analyse des Rötelmaus-Hepacivirus (Ernst-Moritz-Arndt-Universität Greifswald)

Bachelorarbeiten

Dittrich, Anne (IMVZ): Generierung und Charakterisierung eines aviären Influenzavirus vom Subtyp H7N7 (Ernst-Moritz-Arndt-Universität Greifswald)

Ehmann, Julia (IMP): Aktivierung von CD8 α -charakterisierten $\gamma\delta$ -T-Zellpopulationen nach Stimulation mit verschiedenen Bakterien und bakteriellen Produkten (Hochschule Jena)

Erler, Theresa (IMP): Konstruktion einer Promotorbibliothek für *Coxiella burnetii* und ihre Analyse in *Escherichia coli* (Hochschule Jena)

Gläser, Julia (IMP): Antigen-induzierte Genexpression von Interleukin-18 durch PBMC im Verlauf einer experimentellen Infektion von Ziegen mit *Mycobacterium avium* ssp. *paratuberculosis* (Hochschule Jena)

Hackmann, Carolin (IMVZ): Klonierung und Charakterisierung von Rabies Virus Glykoprotein-Mutanten mit Defekten in der p75NTR-Rezeptor-Bindung (Ernst-Moritz-Arndt-Universität Greifswald)

John, Lisa-Marie (IMP): Etablierung des siRNA-induzierten knockdown von iNOS in primären bovinen Makrophagen (Hochschule Jena)

Rehwaldt, Sascha (IMVZ): Untersuchung der Funktionen des Pseudorabies Virus Hüll-Glykoproteins H mittels gezielter Mutagenese (Ernst-Moritz-Arndt-Universität Greifswald)

Speit, Jan-Helge (ITE): Einfluss einer totalen Mischration- (TMR) oder weidebasierten Fütterung auf die mikrobielle Proteinsynthese im Pansen bei Milchkühen (Hochschule Osnabrück)

Sydow, Diana (IMVZ): Charakterisierung funktioneller Bereiche in der pUL31 Komponente des NEC (Ernst-Moritz-Arndt-Universität Greifswald)

Terhalle, Maria (ING): Steuerung der natürlichen Geschlechtsdifferenzierung und deren Übertragung auf landwirtschaftliche Nutztiere (Hochschule Osnabrück)

Wittmann, Nico (IMVZ): Aktivierung p75-NTR-abhängiger Signalkaskaden durch das Rabies Virus (Ernst-Moritz-Arnt-Universität Greifswald)