



## Publications of the FLI 2009

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## Publications in peer-reviewed journals

- Abdel-Moneim, A.S., S.A.S. Shany, S.R. Fereidouni, B.T.M. Eid, M.F. El-Kady, E. Starick, T. Harder, and G.M. Keil. 2009. Sequence diversity of the haemagglutinin open reading frame of recent highly pathogenic avian influenza H5N1 isolates from Egypt. *Arch Virol* **154**:1559-1562.
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## Habilitation treatises, Doctoral, PhD, Diploma, Master and Bachelor theses

### Habilitations

**Aschfalk, Ansgar (IfE):** Bei der Intensivierung von Tierhaltungssystemen entstehende erregerbedingte Hygieneprobleme am Beispiel der Rentierhaltung (Universität Hohenheim, Stuttgart)

**Berndt, Angela (IMP):** Immunologische Untersuchungen zur aviären Salmonellose unter besonderer Berücksichtigung der gd (TCR1+)-T-Zellen (Universität Leipzig, Fakultät für Biowissenschaften, Pharmazie und Psychologie)

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### Doctoral theses

**Behr, Britta (ING):** The biotechnological potential for manipulating offspring sex in the rhinoceros and the elephant (Leibniz Institut für Zoo- und Wildtierforschung, Berlin)

**Dijk van, Jobke (ING):** Aetiological and pharmacological approaches to perinatal asphyxia in the pig (Universität Utrecht, Veterinärmedizinische Fakultät)

**Felbert von, Inga G. C. (IMED):** Histopathologische und immunhistologische sowie zytologische und molekularbiologische Untersuchungen zur Pathogenese und Therapie equiner Sarkoide (Justus-Liebig-Universität Gießen, Veterinärmedizinische Fakultät)

**Franke, Katrin (ITE):** Effect of various iodine supplementations and species on the iodine transfer into milk and on serum, urinary and fecal iodine of dairy cows fed rations varying in the glucosinolate content (Universität Halle)

**Freuling, Conrad (IfE):** Genetische Charakterisierung von europäischen Fledermaustollwutviren in Deutschland und Untersuchungen zu ihrer spatiotemporalen Diversität (Tierärztliche Hochschule Hannover)

**Grabherr, Hilde (ITE):** Einfluss von Zeolith A auf die Futtermittelaufnahme, den Mineralstoff- und Energiestoffwechsel im peripartalen Zeitraum sowie auf verdauungsphysiologische Parameter und Abauverhalten im Gastrointestinaltrakt von Milchkühen (Universität Leipzig)

**Häuslaigner, Rafaela (IVD):** Einsatz eines gegen die leichte Kette von Pekingenten-Immunglobulin gerichteten monoklonalen Antikörpers für die Etablierung eines Newcastle Disease-ELISA zur Überprüfung der humoralen Impfreaktion beim Wassergeflügel (Ludwig-Maximilians-Universität München)

**Huthmann, Eva (IVD):** Untersuchungen an Ringeltauben (*Columba palumbus*) zum Nachweis von Infektionen mit dem aviären Paramyxovirus 1 (APMV-1) (Ludwig-Maximilians-Universität München)

**Kneucker, Annette (IMP):** Funktionelle Residualkapazität und Diffusionskapazität der Lunge bei Kalb und Schwein: Physiologische Werte und Einfluss respiratorischer Infektionen (Freie Universität Berlin)

**Kühnel, Denis** (IMB): Untersuchung der zytotoxischen Aktivität unterschiedlich virulenter NDV-Stämme auf Krebszelllinien (Ernst-Moritz-Arndt-Universität, Greifswald)

**Kutzer, Tanja** (ITT): Untersuchungen zum Einfluss der frühzeitigen Kontaktmöglichkeiten zwischen Ferkelwürfen auf Sozialverhalten, Gesundheit und Leistung (Justus-Liebig-Universität, Gießen)

**Luttermann, Christine** (IfI): Untersuchung des Terminations/ Reinitiations-Mechanismus der Translation des kleinen Kapsidproteins beim Felinen Calicivirus (Eberhard-Karls-Universität Tübingen)

**Müller, Ingetraud** (IVD): Studien zum Verlauf einer *in ovo* Infektion in Haushühnern (*Gallus gallus*) mit einem ausgewählten Aviären Orthoreovirusisolat (Ludwig-Maximilians-Universität München)

**Niehoff, Inka-Donata** (ITE): Investigations on the effects of niacin supplementation to different rations on rumen fermentation, duodenal nutrient flow and several serum and milk parameters of dairy cows (Universität Kiel)

**Oropeza, Marianne** (ING): Production of hA20-transgenic pigs by somatic cell nuclear transfer for xenotransplantation research. (Tierärztliche Hochschule Hannover)

**Racedo, Silvia** (ING): Effects of follicle size and stage of maturation on mRNA expression and protein distribution in bovine *in vitro* natured oocytes. (University of Buenos Aires, Argentinien)

**Ragaller, Veronika** (ITE): Effects of folic acid and pantothenic acid supplementation to two rations on rumen fermentation, duodenal nutrient flow and serum and milk variables in dairy cows (Universität Bonn)

**Schepers, Michaela** (IfI): Immunhistochemische Untersuchungen zur Myelinisierung und Rolle der Oligodendroglia im Gehirn nach neonataler aerogener Infektion von Lewis Ratten mit dem Borna Disease Virus (Justus-Liebig-Universität Gießen)

**Wäckerlin, Regula** (IVD): Untersuchungen zu Infektionsverlauf und Ausbildung einer protektiven Immunität im Haushuhn (*Gallus gallus*) nach *in ovo* Infektion mit einem pathogenen aviären Paramyxovirusisolat vom Serotyp 1 (Ludwig-Maximilians-Universität München)

**Wilking, Hendrik** (IfE): Molekulare Epidemiologie und Mikroevolution aviärer extraintestinal pathogener *Escherichia coli* (APEC) (Freie Universität Berlin)

**Zaraza Gonzales, Javier** (ING): Cellular and molecular characteristics of preimplantation *in vitro* produced embryos from pre- and postpubertal heifers and their relationship with apoptosis. (Tierärztliche Hochschule Hannover)

## PhD Theses

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## Diploma theses

**Decker, Sarah** (IfI): Klonierung von Influenza Genen zur Herstellung von Nanopartikel basierten genetischen Vakzinen (Universität Hohenheim, Stuttgart)

**Emschermann, Frédéric** (IfI): Einfluss des Orf Virus auf die MHC-I Oberflächenexpression (Eberhard-Karls-Universität, Tübingen)

**Fischer, Martina** (IVD): Mathematische Analyse von Genome Sequencer FLX Datensätzen zur Bestimmung der Quasispezieszusammensetzung aviärer Influenza-Virusisolate (Ernst-Moritz-Arndt-Universität, Greifswald)

**Gerst, Bastian** (IMP): Diagnostik-Methoden im Vergleich: Molekularer und konventioneller Nachweis von Tuberkulose-Erregern beim Rind (Freie Universität Berlin)

**Glowinski, Frithjof** (IMB): Quantitative Proteomanalyse von Zellkernen Herpesvirus-infizierter Zellen (Ernst-Moritz-Arndt-Universität, Greifswald)

**Heinrich, Julia** (IMB): Molekularbiologische Untersuchung zur Funktion rhabdoviraler Polymerasekomplexe (Ernst-Moritz-Arndt-Universität, Greifswald)

**Heller, Corina** (IfI): Einflussnahme von E7 Proteinen aus High- und Low-Risk HPV-Typen auf die MHC I-vermittelte Antigenpräsentation (Eberhard-Karls-Universität Tübingen)

**Hettler, Alice** (IfI): Untersuchungen zur Rolle der Autophagie nach Influenza A Virusinfektion (Eberhard-Karls-Universität Tübingen)

**Kreher, Felix** (IfI): RNA structure/function analysis of a calicivirus RNA element promoting reinitiation of translation after termination (Eberhard-Karls-Universität Tübingen)

**Müller, Antje** (IfI): Vergleichende Untersuchungen zur Einflussnahme der viralen Evasionsproteine HPV E5 und BPV D5 auf die MHC I vermittelte Antigenpräsentation (Eberhard-Karls-Universität Tübingen)

**Porscha, Sonja** (ING): Auswirkungen von Patenten auf die Nutztierproduktion in Europa unter besonderer Berücksichtigung der §§ 52 ff. des Europäischen Patentübereinkommens (Fachhochschule des Bundes für öffentliche Verwaltung, Brühl)

**Renner, Lydia** (ITE): Einfluss von seltenen Erden auf die Proliferation boviner peripherer mononukleärer Zellen nach in vitro und in vivo Exposition (Universität Jena)

**Rosenfeld, Ulrike** (IMB): Molekularbiologische Untersuchungen zur Funktion des Tollwutvirus Matrixproteins in der Virusmorphogenese (Ernst-Moritz-Arndt-Universität, Greifswald)

**Westhaus, Sandra** (IfI): Einfluss des Interferon Systems auf die Replikation und Pathogenität von H5N1 Influenza Viren (Universität Jena)

**Wilkerling, Katrin** (ITE): Entwicklung einer LC/MS/MS-Methode zur Analyse der Anreicherung von [<sup>2</sup>H<sub>5</sub>]-Phenylalanin-markierten Proteinen zur Bestimmung gewebespezifischer Proteinsyntheseraten (Universität Halle)

## Master theses

**Arlinghaus, Andreas** (ING): Auswirkungen verschiedener Auftauverfahren auf die Qualität geschlechtsspezifisch differenzierter Spermien (Universität Göttingen)

**Grabow, Martin** (ITE): Einflussfaktoren auf die Wasseraufnahme von weiblichen Aufzuchtrindern (Universität Göttingen)

**Hünerberg, Martin** (ITE): Zur Bedeutung von Sojaschrot als Quelle von Isoflavonen in Kuhmilch (Universität Göttingen)

**Lohölter, Malte** (ITE): Ruminale in sacco Abbaubarkeit von unter simulierten zukünftigen Anbaubedingungen (Projekt FACE - Free Air Carbon dioxide Enrichment) produzierter Maissilage (Universität Gießen)

## Bachelor theses

**Kern, Janosch** (IfI): Herstellung und Charakterisierung neuer Orf Virus-Rekombinanten (Hochschule Furtwangen)



**Korbely, Susanne** (IMB): Vorfraktionierung von stabil isotopenmarkierten Proteingemischen für die Proteomanalyse durch isoelektrische Fokussierung in granulierten Sephadex<sup>TM</sup> Gelen (Technische Fachhochschule Wildau)

**Lehle, Anna** (IfI): Beeinflussung der Bildung der pathologischen Isoform des Prionproteins durch monoklonale Antikörper (Hochschule Furtwangen)

**Meyer-Hamme, Sophie** (ITE): Einfluss von Fumarat und Yucca schidigera Extrakt im Futter auf Parameter des ruminalen Abbaus in sacco (Universität Göttingen)

**Urselmans, Stefanie** (ITT): Wahlversuch zur Präferenz unterschiedlicher Staubbadesubstrate für Legehennen (Van Hall Larenstein University of Applied Sciences, Leeuwarden)