



Publications of the FLI 2011

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compiled by: Anette Beidler
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Publications in peer-reviewed journals

Abbas, T., H. Wilking, C. Staubach, M. Ziller, and F.J. Conraths. 2011. Priority areas for surveillance and prevention of avian influenza during the water-bird migration season in Pakistan. *Geospat Health* **6**:107-116.

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Habilitation treatises, Doctoral, PhD, Diploma, Master and Bachelor theses

Habilitations

Balkema-Buschmann, Anne (INNT): Verteilung von Infektiosität und krankheitsassoziiertem Prion-Protein in Geweben von mit klassischen oder atypischen TSE-Erregern infizierten Rindern und Schafen (Stiftung Tierärztliche Hochschule Hannover)

Doctoral theses

Abbas, Tariq (IfE): Studies on potential risk factors for introduction and spread of avian influenza in domestic poultry of Pakistan (Freie Universität Berlin)

Bigalke, Wiebke (ITE): Entwicklung einer HPLC-DAD/FLD-Analysenmethode zur simultanen Bestimmung von Thiamin, Riboflavin, Niacin, Pyridoxin, Folat und verschiedenen Vitameren im Blutserum von Milchkühen sowie Auswirkungen von Fütterungsregime und Laktation auf die Konzentration der B-Vitamine im bovinen Serum (TU Braunschweig)

Bogs, Jessica (IMB): Molekulare Untersuchungen zur Virulenz und Wirtsadaptation von Influenza-A-Viren vom Subtyp H5N1 an Geflügel und Säuger (Ernst-Moritz-Arndt-Universität Greifswald)

Buchholz, Thomas (ING): Untersuchungen zum Differenzierungspotential fetaler somatischer Stammzellen der Maus (Stiftung Tierärztliche Hochschule Hannover)

Burrack, Sandra (IfI): Identifizierung und Charakterisierung des Rückhaltesignals des pestiviralen Glykoproteins Erns (Eberhard-Karls-Universität Tübingen)

Diederich, Mike (ING): Experimentelle Untersuchungen zur epigenetischen Modulation in präpuberalen und adulten bovinen Oozyten (Stiftung Tierärztliche Hochschule Hannover)

Gehrke, Kira (IfI): Veränderungen der Expression von Neurofilamenten und des DISC-1 Proteins im Gehirn nach neonataler Infektion von Lewis-Ratten mit dem Borna Disease Virus (Justus-Liebig-Universität Gießen)

Gohrbandt, Sandra (IMB): Virulenzpotential des Hämagglutinins verschiedener Serotypen aviärer Influenza-Viren (Ernst-Moritz-Arndt-Universität Greifswald)

Gruber, Simone (ING): Wachstum und Produktqualität unterschiedlicher Genotypen für die ökologische Schweinefleischherzeugung (Justus-Liebig-Universität Gießen)

Hundt, Jana (IMB): Molekulare Mechanismen der Adaptation sowie Impfstudien zur Bekämpfung von aviären Influenza-Viren (Ernst-Moritz-Arndt-Universität Greifswald)

Lambertz, Jacqueline (IMP): Untersuchungen zur Pathologie und Pathogenese der experimentellen aerogenen Infektion von Kälbern mit *Chlamydia psittaci* (nicht aviärer Herkunft) (Stiftung Tierärztliche Hochschule Hannover)

Meyer, Michaela (IMP): Klinische und pathologische Befunde nach experimenteller Inokulation von Ziegenlammern mit *Mycobacterium avium* spp. *paratuberculosis* (MAP) (Stiftung Tierärztliche Hochschule Hannover)

Mischkale, Katrin (IVD): Charakterisierung eines neuen infektiösen cDNA-Vollängenklons des Virus der Bovinen Virusdiarrhoe Typ 2 und Generierung von Virusmutanten (Ernst-Moritz-Arndt-Universität Greifswald)

Möhl, Britta (IMB): Bedeutung des essentiellen Tegumentproteins pUL36 des Pseudorabies Virus für den Virus-Eintritt und die Morphogenese (Ernst-Moritz-Arndt-Universität Greifswald)

Möhle, Katja (IMP): Wirts-Erreger-Interaktionen im Respirationstrakt von Kälbern nach experimenteller aerogener Infektion mit *Chlamydia psittaci* (Stiftung Tierärztliche Hochschule Hannover)

Mönch-Tegeder, Gerhard (ING): Einfluss verschiedener Ejaculatbehandlungen auf die Lebensfähigkeit und das Befruchtungspotential geschlechtsspezifisch differenzierter Bullenspermien (Georg-August-Universität Göttingen)

Nienhoff, Ulrike (ING): Untersuchungen zu Vorkommen und Verbreitung von Methicillin-resistenten *Staphylococcus aureus* (MRSA) und Methicillin-resistenten *Staphylococcus pseudintermedius* (MRSP) bei Hund und Katze (Stiftung Tierärztliche Hochschule Hannover)

Pickel, Thorsten (ITT): Adequate Perches for Laying Hen Husbandry - Ethological studies and pressure measurements to supply hens' needs (Westfälische Wilhelms-Universität, Münster)

Reckzeh, Claudia (INNT): Immunhistochemische Untersuchungen zum Vorkommen von Prionprotein in ovinen Geweben (Freie Universität Berlin)

Riechardt, Meike (IMED): Entwicklung eines multiplex realtime PCR-Protokolles zum Nachweis von Koi-Herpesvirus (KHV) und Untersuchungen zur Pathogenese der Koi-Herpesvirus-Infektion bei experimentell infizierten Spiegelkarpfen (*Cyprinus carpio*) (Stiftung Tierärztliche Hochschule Hannover)

Skiba, Martin (IMB): Analyse des Wirtszellproteoms und der Expression viraler Proteine in virusinfizierten Gewebekulturen durch quantitative Massenspektrometrie mit metabolisch eingeführten stabilen Isotopen (Ernst-Moritz-Arndt-Universität Greifswald)

Tieben, Maike (ING): In-vitro-Empfindlichkeitsprüfung bakterieller Infektionserreger gegenüber zwei Wirkstoffkombinationen zur Behandlung von Ohrinfektionen bei Hunden und Katzen (Stiftung Tierärztliche Hochschule Hannover)

Wagner, Judith (IMP): Einfluss von PRRSV-Infektionen auf die Lungenfunktion des Schweines (Freie Universität Berlin)

Wegelt, Anne (IVD): Untersuchungen zum Strukturprotein E(rns) des Virus der Bovinen Virusdiarrhoe (Ernst-Moritz-Arndt-Universität Greifswald)

PhD Theses

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Diploma theses

Gather, Ruth (IfI): Etablierung einer neuen Selektionsmethode zur Herstellung von ORF-Virus-Rekombinanten (Eberhard-Karls-Universität Tübingen)

Kargoll, Sabrina (IMB): Untersuchungen zur Struktur und Funktion des Hüllproteins gH des Pseudorabiesvirus (Ernst-Moritz-Arndt-Universität Greifswald)

Kleist, Sarah (ITE): Entwicklung und Validierung von Analysemethoden zur simultanen Bestimmung von Purinen und Kreatinin in Harn und Milch mittels HPLC-DAD (TU Braunschweig)

Koslowski, Nicole (IMB): Vergleichende Analysen zur Funktion von Lyssavirus Hüllproteinen (Ernst-Moritz-Arndt-Universität Greifswald)

Kunze, Michaela (INNT): Herstellung, Charakterisierung und Vergleich rekombinanter Nukleokapsidproteine unterschiedlicher Krim-Kongo-Hämorrhagisches-Fieber-Viren (Ernst-Moritz-Arndt-Universität Greifswald)

Ullrich, Alexandra (ITE): Untersuchungen zum Einfluss steigender Konzentrationen an β -Glucanen in der Ration auf immunologische Parameter nicht stimulierter oder Lipopolysaccharid (LPS)-stimulierter Ferkel (Friedrich-Schiller-Universität Jena)

Vaas, Markus (IfI): Beeinflussung von naiven caprinen T-Zellen durch ConA und mykobakterielle Antigene (Eberhard-Karls-Universität Tübingen)

Wessels, Ute (IMB): Vergleichende Analyse der offenen Leserahmen bei Ratten-Hepatitis E-Virus und einem Genotyp-3-Hepatitis E-Virus (Ernst-Moritz-Arndt-Universität Greifswald)

Master theses

Bernal, Sandra (ING): Establishment of a modified Simulated Physiological Oocyte Maturation (mSPOM) system for bovine oocytes and investigation of its influence on bovine in vitro embryo production and quality (Universität Wageningen, Niederlande)

Dabels, Juliane (IMED): Nachweis der Übertragung des Koi-Herpesvirus (KHV) von Regenbogenforellen (*Oncorhynchus mykiss*) auf naive Karpfen (*Cyprinus carpio*) (Universität Rostock)

Eidam, Christopher (ING): Analyse von tet(L)-tragenden Plasmiden isoliert aus Staphylokokken tierischen Ursprungs (Stiftung Tierärztliche Hochschule Hannover)

Mönch-Tegeeder, Matthias (ING): Etablierung eines ATP-Tests zur Beurteilung der Lebensfähigkeit von Bullenspermien (Georg-August-Universität Göttingen)

Preiß, Jana (ITE): Untersuchungen zum Einfluss von Deoxynivalenol und Zearalenon im Futter auf Stoffwechselparameter und auf die Immunantwort von Absetzferkeln unter Einbeziehung eines Infektionsmodells (Hochschule Anhalt)

Bachelor theses

Kim, Kyo Hyun (IMED): Investigation on species identification and detection of retroviral structures in the genome of continuously replicated fish cells (Dongseo University Busan, Südkorea)

Duensing, Juliane (ITT): Untersuchungen zur Eignung handelsüblicher Bewegungsmelder zur Aktivitätserfassung tragender Sauen (Christian-Albrechts-Universität Kiel)

Franzka, Patricia (IMP): Methodenvergleich von Mikrogen-Immunoblot mit Proteinarrays bei Seren von Vögeln mit vermuteter Ornithose (Friedrich-Schiller-Universität Jena)

Klein, Tanja Carolina Elisabeth (IVD): Rekombinante Expression von Orbivirusproteinen (FH Kaiserslautern)

Poetzsch, Jenny (IMP): Differenzierung von Erregern des *Mycobacterium tuberculosis*-Komplexes mittels PCR-Restriktionsanalyse (Friedrich-Schiller-Universität Jena)

Rudolph, Susann (IMP): ELISA-Test für den spezifischen Nachweis der Lungenseuche beim Rind (Friedrich-Schiller-Universität Jena)

Voigt, Stefanie (IMP): *Salmonella*-abhängige NET-Bildung durch aviäre Granulozyten (Friedrich-Schiller-Universität Jena)