



Publikationen des FLI 2021

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Redaktionsschluss: 04.04.2022

Veröffentlichungen in referierten Zeitschriften

Abdel-Glil, M.Y., A. Chiaverini, G. Garofolo, A. Fasanella, A. Parisi, D. Harmsen, K.A. Jolley, M.C. Elschner, H. Tomaso, J. Linde, and D. Galante. 2021. A whole genome-based gene-by-gene typing system for standardised high resolution strain typing of *Bacillus anthracis*. *J Clin Microbiol* **59**:e02889-20.

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Abdel-Glil, M.Y., P. Thomas, J. Linde, A. Busch, L.H. Wieler, H. Neubauer, and C. Seyboldt. 2021. Comparative in silico genome analysis of *Clostridium perfringens* unravels stable phylogroups with different genome characteristics and pathogenic potential. *Sci Rep* **11**:6756.

Abdel-Glil, M.Y., P. Thomas, J. Linde, K.A. Jolley, D. Harmsen, L.H. Wieler, H. Neubauer, and C. Seyboldt. 2021. Establishment of a Publicly Available Core Genome Multilocus Sequence Typing Scheme for *Clostridium perfringens*. *Microbiol Spectr* **9**:e00533-21.

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Ackermann, I., R. Ulrich, K. Tauscher, O.I. Fatola, M. Keller, J.C. Shawulu, M. Arnold, S. Czub, M.H. Groschup, and A. Balkema-Buschmann. 2021. Prion Infectivity and PrP^{BSE} in the Peripheral and Central Nervous System of Cattle 8 Months Post Oral BSE Challenge. *Int J Mol Sci* **22**:11310.

Adamek, M., J. Davies, A. Beck, L. Jordan, A.M. Becker, M. Mojzesz, K. Rakus, T. Rumiak, B. Collet, G. Brogden, K. Way, S.M. Bergmann, J. Zou, and D. Steinhagen. 2021. Antiviral actions of 25-hydroxycholesterol in fish vary with the virus-host combination. *Front Immunol* **12**:581786.

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Potratz, Madlin (IMVZ): Pathogenicity Determinants in Field Rabies Virus Infection and *In Vivo* Tracking (Universität Greifswald)

Ries, Christina Lidwina (IVD): Developments on Diagnosis, Pathogenesis and Control of Bluetongue Disease Virus (Ludwig-Maximilians-Universität München)

Sake, Hendrik Johannes (ING): Erstellung von B4GALNT2-knockout Schweinen für die Xenotransplantation (Tierärztliche Hochschule Hannover)

Santos, Pauline Dianne (IVD): High-throughput sequencing based early warning and outbreak investigation (Universität Greifswald)

Schäfer, Alexander (IfI): Functional analyses of porcine T-cell responses upon viral infections (Universität Greifswald)

Schumann, Anja (IVD): Pestivirus-Replikons als Werkzeug für heterologe Genexpression und molekulare Charakterisierung (Universität Greifswald)

Stellfeld, Mareike (IBIZ): Evaluierung des diagnostischen Potenzials des rekombinanten *Coxiella burnetii*-Com1 Proteins für den serologischen Nachweis von Q-Fieber bei Schafen, Ziegen und Rindern (Universität Leipzig)

Stephan, Magalie (IfE): Epidemiologische Auswertung der BHV1-Bekämpfung in Milch- und Mutterkuhbetrieben in Nordrhein-Westfalen von 2010 bis 2015 (Freie Universität Berlin)

Szillat, Kevin P. (IVD): Virus characterization in an era of outbreaks (Universität Greifswald)

Tippelt, Lisa (IMED): Distribution and ecology of selected mosquito species (Diptera: Culicidae) in Germany (Universität Greifswald)

Weber, Saskia (IVD): Von Reservoir- bis Modelltier - Nachweis und Charakterisierung von zoonotischen Kuhpockenviren (CPXV) (Ludwig-Maximilians-Universität München)

Weise, Susann (IfE): Erkennen des Beginns der klinischen Mastitis durch Auswertung der täglichen Aktivitäts- und Milchmengendaten von Milchkühen (Freie Universität Berlin)

Wendt, Lisa Marie (IMVZ): Characterisation of ebolavirus-host interactions (Universität Greifswald)

Wolff, Janika (IVD): Diagnosis, pathogenesis and control of capripox virus-induced diseases (Universität Greifswald)

Zaack, Luca Mirko (IMVZ): Advanced light microscopy to resolve spatio-temporal and spatio-morphological infection processes *in vitro* and *in vivo* (Universität Greifswald)

PhD Theses

Gutiérrez Añez, Juan Carlos (ING): Role of melatonin in bovine gametes competence and preimplantation embryo development *in vitro* (Tierärztliche Hochschule Hannover)

König, Rebecca (INNT): Expression von Epitopen der Rifttalfeibervirus Glyoproteine und Evaluation ihrer immunogenen Wirkung (Tierärztliche Hochschule Hannover)

Diplomarbeiten

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Masterarbeiten

Baumann, Vanessa (ITT): Monitoring der Nutzung eines Auslaufs durch Mastschweine mittels UHF-RFID in einem Außenklimastall und Veränderungen in der Auslaufnutzung durch unterschiedliche Ausgestaltung des Außenbereichs (Universität Hohenheim)

Dreyer, Sylvia (IITG): Un-mystifying a buzzword: Qualitative analysis of the utilization of the term „human-animal-interface“ in One Health oriented research (Medizinische Hochschule Hannover)

Geers, Jessica (IVD): Establishing diagnostic strategies for rustrelavirus (RusV), a recently discovered neurotropic pathogen (Universität Köln)

Haake, Josephine (ING): Study of the ectopic expression of the germ plasm organizer Bucky ball in mammalian cells and embryos (Technische Hochschule Braunschweig)

Hemsing, Laura (ITT): Einfluss der sozialen Stellung in der Herde auf das Fress- und Liegeverhalten von Hausziegen (Humboldt-Universität zu Berlin)

Hund, Inga (INNT): Charakterisierung von potenziellen Endozytosemotiven in der zytoplasmatischen Domäne des Cedarvirus Glykoproteins (Universität Greifswald)

Ibrahimi, Mohamed (ING): Optimization of Pluripotency Induction in Murine Fibroblasts (Tierärztliche Hochschule Hannover)

Lauffer, Marius (IMVZ): Characterization of the host proteins Aly and RBM15 in the Ebola virus life cycle (Universität Greifswald)

Löschberger, Ulrike (IfI): Optimization of immune responses to vaccination by chemo-enzymatic coupling of ligands to *Mycobacterium bovis* BCG (Universität Greifswald)

Lückemann, Alina Kathrin (ITE): Auswirkung ätherischer Öle, mit unterschiedlichen Konzentrationen in der Futtermischung auf die Leistungs- und Eequalitätsparameter sowie Befallsstärke mit roter Vogelmilbe (*Dermanyssus gallinae*) und damit verbundene Verhaltensweisen bei Legehennen in der fortgeschrittenen Legeperiode (Fachhochschule Südwestfalen - Standort Soest)

Reimers, Anna Louisa (ITT): Nutzung von erhöhten Ebenen und deren Einfluss auf Lauffähigkeit und Ängstlichkeit bei Masthühnern (Georg-August-Universität Göttingen)

Schwotzer, Henriette (IMVZ): Establishment of molecular detection methods to assess activation of the unfolded protein response by the arenavirus glycoprotein (Universität Greifswald)

Bachelorarbeiten

Marszalek, Aleksandra (IfI): Interferenz von Proteinen des Maul und Klauenseuche Virus mit dem angeborenen Immunsystem (Hochschule Zittau/Görlitz)

Marx, Amelie (IfE): ESBL/AmpC tragende *Escherichia coli* in der Schweinehaltung (Hochschule Neubrandenburg)

Rath, Justina Luise (IMVZ): Funktionalität von Ebola-Virus / Lloviu-Virus VP40-Chimären zur Produktion infektiöser Partikel (Universität Greifswald)

Tadewaldt, Nils (IMED): Generierung eines West-Nil-Virus Replikons (Universität Greifswald)

Wisnewski, Kira (IMED): Herstellung einer stabilen Zelllinie zur Generierung von West-Nil-Virus-ähnlichen Partikeln (Universität Greifswald)

Zacharias, Shamalla (ITT): Erfassung von Brustbeinschäden bei Legehennen (Universität Kassel)