



Publikationsliste Dr. Martin Heller

Stand: 27.11.2018

- Behrens, A.; Heller, M.; Kirchhoff, H. and Yogev, D. and Rosengarten, R.: A family of phase- and size-variant membrane surface lipoprotein antigens (Vsps) of *Mycoplasma bovis*. *Infection and Immunity*. 1994; 62, 5075-5084.
- Behrens, A.; Heller, M.; Rosenbusch, R. and Kirchhoff, H.: Immunoelectron microscopic localization of variable proteins on the surface of *Mycoplasma bovis*. *Microbiology*. 1996; 142, 1863-1871.
- Behrens, A.; Poumarat, F.; Le Grand, D.; Heller, M. and Rosengarten R.: A newly identified immunodominant membrane protein (pMB67) involved in *Mycoplasma bovis* surface antigenic variation. *Microbiology*. 1996; 142, 2463-2470.
- Beier, T.; Hotzel, H.; Lysnyansky, I.; Grajetzki, C.; Heller, M.; Rabeling, B.; Yogev, D. and Sachse K.: Intraspecies polymorphism of *vsp* genes and expression profiles of variable surface protein antigens (Vsps) in field isolates of *Mycoplasma bovis*. *Veterinary Microbiology*. 1998; 63, 189-203.
- Berndt, A.; Heller, M.; Methner, U.; Kosmehl, H. and Müller G.: Monoclonal antibodies against porcine macrophages. *Veterinary Immunology and Immunopathology*. 2000; 74, 163-177.
- Berndt, A.; Heller, M. and Kosmehl H.: Cytokine mRNA expression in experimental porcine pneumonia. *Dtsch. tierärztl. Wschr.* 2002; 109, 205-209.
- Berthold, E; Heller, M.; Pfützner, H.; Leirer, R. and Sachse K.: Preparation and characterization of monoclonal antibodies against *Mycoplasma bovis*. *J. Vet. Med. B.* 1992; 39, 353-361.
- Elschner, M. and Heller, M.: Shipping of Infectious Substances According IATA-DGR Regulations, doi: 10.1002/9783527675357.ch6, in Weidmann, M. (Hrsg.); Silmann, N. (Hrsg.); Butaye, P. (Hrsg.); Elschner, M. C. (Hrsg.): Working in Biosafety Level 3 and 4 Laboratories : A Practical Introduction, Wiley-VCH Verlag GmbH & Co. KGaA Weinheim, 2014
- Fischer, A.; Shapiro, B.; Muriuki, C.; Heller, M.; Schnee, C.; Bongcam-Rudloff, E.; Vilei, E. M.; Frey, J. and Jores, J.: The origin of the '*Mycoplasma mycoides* cluster' coincides with domestication of ruminants. *PLoS One*. 2012; 7 (4), e36150.

Heller, M.; Berthold, E.; Pfützner, E. und Leirer R.: Einsatz monoklonaler Antikörper zum Nachweis von *Mycoplasma bovis* in Milchproben. Bundesgesundheitsblatt. 1992; 35, 375-376.

Heller, M.; Berthold, E.; Pfützner, H.; Leirer, R. and Sachse K.: Antigen capture ELISA using a monoclonal antibody for the detection of *Mycoplasma bovis* in milk. Veterinary Microbiology. 1993; 37, 127-133.

Heller, M., Gicheru, N., Tjipura-Zaire, G., Muriuki, C., Yu, M., Botelho, A., Naessens, J., Jores, J., Liljander, A.: Development of a Novel Cocktail Enzyme-Linked Immunosorbent Assay and a Field-Applicable Lateral-Flow Rapid Test for Diagnosis of Contagious Bovine Pleuropneumonia. J Clin Microbiol. 2016 Jun;54(6):1557-65. doi: 10.1128/JCM.03259-15. Epub 2016 Apr 6.

Heller, M.; Köhler, H.; Burkert, B.; Rohrmann, B.; Thierbach, S. und Müller G.: Modulation der zytotoxischen Aktivität von humanen natürlichen Killerzellen durch Ochratoxin A und C. Mycotoxin Research 2002; 18A, 163-167.

Heller, M.; Köhler, H.; Rosner, H.; Burkert, B.; Rohrmann, B.; Möller, U.; Thierbach, S.; Kielstein, P. und Müller G.: Beeinflussung der Zytokinsekretion von Maus-Thymom-Zellen (EL-4) durch Ochratoxin A. Mycotoxin Research. 2000; 16 A, 194-198.

Heller, M.; Rosner, H.; Burkert, B.; Möller, U.; Hinsching, A.; Rohrmann, B. und Köhler H.: In-vitro-Untersuchungen zum Einfluß von Ochratoxin A auf die Tumornekrosefaktor α -Produktion der humanen Monozytenzelllinie THP-1. Dtsch. tierärztl. Wschr. 2002; 109, 200-205.

Heller, M., Sachse, K. und Schubert, E.: Die Lungenseuche der Rinder - eine fast vergessene Erkrankung?. Dtsch. tierärztl. Wschr. 2007; 114, 43-49.

Heller, M.; Schwarz, R; Noe, G.; Jores, J.; Fischer, A.; Schubert, S.; Sachse, K.: First human case of severe septicaemia associated with *Mycoplasma capricolum* subsp. *capricolum* infection. JMM Case Reports 2015: DOI 10.1099/jmmcr.0.000101.

Hotzel, H.; **Heller, M.** and Sachse K.: Enhancement of *Mycoplasma bovis* detection in milk samples by antigen capture prior PCR. Molecular and Cellular Probes. 1999; 13, 175-178.

Jores, J.; Fischer, A.; Sirand-Pugnet, P.; Thomann, A.; Liebler-Tenorio, E. M.; Schnee, C.; Santana-Cruz, I.; **Heller, M.;** Frey, J.: *Mycoplasma feriruminatoris* sp. nov., a fast growing *Mycoplasma* species isolated from wild Caprinae. Syst Appl Microbiol. 2013 Dec; 36(8):533-8. doi: 10.1016/j.syapm.2013.07.005. Epub 2013 Sep 6.

Klaus, C.; Gethmann, J.; Hoffmann, B.; Ziegler, U.; **Heller, M.**; Beer, M.: Tick infestation in birds and prevalence of pathogens in ticks collected from different places in Germany. *Parasitology research* 115, H. 7 (2016), S. 2729-2740.

Klaus, C.; Gethmann, J.; Hoffmann, B.; Ziegler, U.; **Heller, M.**; Beer, M.: Untersuchungen zum Zeckenbefall bei Vögeln sowie zum Vorkommen von Krankheitserregern in den Zecken. *Berichte der Vogelwarte Hiddensee*, 2016, H. 23, S. 83-85.

Köhler, H.; **Heller, M.**; Rosner, H.; Erler, W.; Gräfe, U. and Müller G.: Effect of ochratoxin A and ochratoxin C on the monocyte and lymphocyte function. *Mycotoxin Research* 2002; 18A, (169-172).

Liljander, A.; Yu, M.; O'Brien, E.; **Heller, M.**; Nepper, J. F.; Weibel, D. B.; Gluecks, I.; Younan, M.; Frey, J.; Falquet, L.; Jores, J.: Field-Applicable Recombinase Polymerase Amplification Assay for Rapid Detection of *Mycoplasma capricolum* subsp. *capripneumoniae*. *J Clin Microbiol.* 2015 Sep; 53(9):2810-5. doi: 10.1128/JCM.00623-15. Epub 2015 Jun 17.

Methner, U., **Heller, M.** and Bocklisch, H.: *Salmonella enterica* subspecies *enterica* serovar Choleraesuis in a wild boar population in Germany. *European Journal of Wildlife Research*, 2010; 56, 493-502.

Müller, G.; Kielstein, P.; Rosner, H.; Berndt, A.; **Heller, M.** and Köhler H.: Studies of the influence of ochratoxin A on immune and defence reactions in weaners. *Mycoses.* 1999a; 42, 495-05.

Müller, G.; Kielstein, P.; Rosner, H.; Berndt, A.; **Heller, M.** and Köhler H.: Studies on the influence of combined administration of ochratoxin A, fumonisin B1, deoxynivalenol and T2 toxin on immune and defence reaction in weaner pigs. *Mycoses.* 1999b; 42, 485-493.

Müller, G.; Kielstein, P.; Rosner, H.; Köhler, H.; Berndt, A. und **Heller, M.**: Beeinflussen Mykotoxine die Immun- und Abwehrreaktionen des Schweines? *Der praktische Tierarzt.* 2000; 81, 932-940.

Naseem, S., Meens, J., Jores, J., **Heller, M.**, Dübel, S., and Gerlach, G.: Phage display-based identification and potential diagnostic application of novel antigens from *Mycoplasma mycoides* subsp. *mycoides* small colony type. *Veterinary Microbiology.* 2010; 142, 285-292.

Rosengarten, R.; Behrens, A.; Stetefeld, A.; **Heller, M.**; Ahrens, M.; Sachse, K.; Yogeve, D. and Kirchhoff H.: Antigen heterogeneity among isolates of *Mycoplasma bovis* is generated by high-frequency variation of diverse membrane surface proteins. *Infection and Immunity.* 1994; 62, 5066-5074.

Sacchini, F.; Naessens, J.; Awino, E.; **Heller, M.**; Hlinak, A.; Haider, W.; Sterner-Kock, A. and Jores J.: A minor role of CD4+ T lymphocytes in the control of a primary infection of cattle with *Mycoplasma mycoides* subsp. *mycoides*. *Vet Res.* 2011; 12, 42(1):77.

Sachse, K.; Grajetzki, C.; Rosengarten, R.; Hänel, I.; **Heller, M.** and Pfützner H.: Mechanisms and factors involved in *Mycoplasma bovis* adhesion to host cells. *Zbl. Bakt.* 1996; 284, 88-92.

Sachse, K., Pfützner, H.; **Heller M.** and Hänel. I.: Inhibition of *Mycoplasma bovis* cytoadherence by a monoclonal antibody and various carbohydrate substances. *Veterinary Microbiology.* 1993; 36, 307-316.

Schieck, E.; Liljander, A.; Hamsten, C.; Gicheru, N.; Scacchia, M.; Sacchini, F.; **Heller, M.**; Schnee, C.; Sterner-Kock, A.; Hlinak, A.; Naessens, J.; Poole, J.; Persson, A.; Jores, J.: High antibody titres against predicted *Mycoplasma* surface proteins do not prevent sequestration in infected lung tissue in the course of experimental contagious bovine pleuropneumonia. *Vet Microbiol.* 2014 Aug 6;172(1-2):285-93. doi: 10.1016/j.vetmic.2014.04.018. Epub 2014 May 5.

Schnee, C.; **Heller, M.**; Jores, J.; Tomaso, H. and Neubauer, H.: Assessment of a novel multiplex real-time PCR assay for the detection of the CBPP agent *Mycoplasma mycoides* subsp. *mycoides* SC through experimental infection in cattle. *BMC Vet Res.* 2011; 12, 7:47.

Schnee, C.; **Heller, M.**; Schubert, E.; Sachse, K.: Point prevalence of infection with *Mycoplasma bovoculi* and *Moraxella* spp. in cattle at different stages of infectious bovine keratoconjunctivitis. *Vet J.* 2015 Jan; 203(1):92-6. doi: 10.1016/j.tvjl.2014.11.009. Epub 2014 Nov 20.

Schnee, C.; Schulsse, S.; Hotzel, H.; Ayling, R. D.; Nicholas, R. A.; Schubert, E.; **Heller, M.**; Ehricht, R. and Sachse, K.: A novel rapid DNA microarray assay enables identification of 37 *Mycoplasma* species and highlights multiple *Mycoplasma* infections. *PLoS One.* 2012; 7(3), e33237.

Schubert, E.; Sachse, K. und **Heller, M.**: Die Lungenseuche des Rindes - rechtzeitige Diagnose ermöglicht schnelles Handeln. *Amtstierärztlicher Dienst und Lebensmittelkontrolle.* 2012; 19, 42-48.

Schubert, E.; Sachse, K.; Jores, J. and **Heller. M.**: Serological testing of cattle experimentally infected with *Mycoplasma mycoides* subsp. *mycoides* Small Colony using four different tests reveals a variety of seroconversion patterns. *BMC Vet Res.* 2011; 18, 7:72.

Seersholm, F.V.; Fischer, A.; **Heller, M.**; Jores, J.; Sachse K.; Mourier, T.; Hansen, A. J.: Draft Genome Sequence of the First Human Isolate of the Ruminant Pathogen *Mycoplasma capricolum* subsp. *capricolum*. *Genome Announc.* 2015 Jun 18;3(3). pii: e00583-15. doi: 10.1128/genomeA.00583-15.

Sommer, K., Otto, P., **Heller, M.**, Roth, B. und Liebler-Tenorio, E. M: Rotaviren als ätiologischer Faktor beim MAS der Broilerküken: morphologische Veränderungen und Erregernachweis in der Darmschleimhaut. 2008; Verlag der DVG Service GmbH, 27-39.

Sterner-Kock, A., Haider, W., Sacchini, F., Liljander, A., Meens, J., Poole, J., Guschlbauer, M., **Heller, M.**, Naessens, J., Jores, J.: Morphological characterization and immunohistochemical detection of the proinflammatory cytokines IL-1 β , IL-17A, and TNF- α in lung lesions associated with contagious bovine pleuropneumonia. *Trop Anim Health Prod.* 2016 Mar;48(3):569-76. doi: 10.1007/s11250-016-0994-9. Epub 2016 Feb 2.