



## Publikationsliste PD Dr. Angela Berndt

Stand: Mai 2017

1. Pieper, J., Locke, M., Ruzaike, G., Voigt, St., Methner, U., **Berndt, A.** (2017) In vitro and in vivo generation of heterophil extracellular traps after *Salmonella* exposure. *Vet. Immunol. Immunopathol.* 188, 1-11
2. Hesse, M., Stamm, A., **Berndt, A.**, Glünder, G., Weber, R. (2017) Immune response to *Salmonella* infections in vaccinated and non-vaccinated turkeys. *Res. Vet. Science* 115, 165-173
3. Malkwitz, I., **Berndt, A.**, Zhang, R., Dauschies, A., Bangoura, B. (2017) Replication of *Toxoplasma gondii* in chicken erythrocytes and thrombocytes compared to macrophages. *Parasitol. Res.* 116, 123-131
4. Polasky, Ch., Weigend, St., Schrader, L., **Berndt, A.** (2016) Non-specific activation of CD8 $\alpha$ -characterised  $\gamma\delta$  T cells in PBL cultures of different chicken lines. *Vet. Immunol. Immunopathol.* 179, 1-7
5. Braukmann, M., Barrow, P.A., **Berndt, A.**, Methner, U. (2016) Combination of competitive exclusion and immunisation with a live *Salmonella* vaccine in newly hatched chickens: Immunological and microbiological effects. *Res. Vet. Science* 107, 34-41
6. Hesse, M., Stamm, M., Weber, Ch., **Berndt, A.** (2016) Immune response of turkey poults exposed at 1 day of age to either attenuated or wild *Salmonella* strains. *Vet. Immunol. Immunopathol.* 174, 1-10
7. Braukmann, M., Methner, U., **Berndt, A.** (2015) Avian CD25+ gamma/delta ( $\gamma\delta$ ) T cells after *Salmonella* exposure. *Vet. Immunol. Immunopathol.* 168, 14-18
8. Prohl, A., Wolf, K., Weber, C., Müller, K. E., Menge, Ch., Sachse, K., Rödel, J., Reinhold, P., **Berndt, A.** (2015) Kinetics of local and systemic leucocyte and cytokine reaction of calves to intrabronchial infection with *Chlamydia psittaci*. *PLOS ONE | DOI:10.1371/journal.pone.0135161*
9. Prohl, A., Lohr, M., Ostermann, C., Liebler-Tenorio, E., **Berndt, A.**, Schroedl, W., Rothe, M., Schubert, E., Sachse, K., Reinhold, P. (2015) Enrofloxacin and macrolides alone or in combination with rifampicin as antimicrobial treatment in a bovine model of acute *Chlamydia psittaci* infection. *PLoS One | doi:10.1371/journal.pone.0119736*
10. Braukmann, M., Methner, U., **Berndt, A.** (2015) Immune reaction and survivability of *Salmonella* Typhimurium and *Salmonella* Infantis after infection of primary avian macrophages. *PLoS One* 10(3), doi: 10.1371/journal.pone.0122540
11. Kalmar I., **Berndt A.**, Chiers, L., Sachse, K., Vanrompay, D. (2015) Host-pathogen interactions in specific pathogen-free chickens following aerogenous infection with *Chlamydia psittaci* and *Chlamydia abortus*. *Vet. Immunol. Immunopathol.* 164: 30-39
12. Prohl, A., Lohr, M., Ostermann, C., Liebler-Tenorio, E., **Berndt, A.**, Schroedl, W., Rothe, M., Schubert, E., Sachse, K., Reinhold, P. (2014) Evaluation of antimicrobial treatment in a bovine model of acute *Chlamydia psittaci* infection: tetracycline versus tetracycline plus rifampicin. *Pathog. Dis.* 73(1), 1-12, doi: 10.1111/2049-632X.122012

13. Knittler, M. R., **Berndt, A.**, Böcker, S., Dutow, P., Hänel, F., Heuer, D., Kägebein, D., Klos, A., Koch, S., Liebler-Tenorio, E., Ostermann, C., Reinhold, P., Saluz, H. P., Schöfl, G., Sehnert, P., Sachse, K., (2014) Review *Chlamydia psittaci*: New insights into genomic diversity, clinical pathology, host-pathogen interaction and anti-bacterial immunity. Intern. J. Medical. 304(7), 877-893
14. Foster, N. and **A. Berndt.** (2013) Immunity to *Salmonella* in Farm Animals and Murine Models of Disease. In: Barrow, P.A. and U. Methner (eds.), *Salmonella* in Domestic Animals, 2nd Edition, CABI International 2013, ISBN: 978-1-84593-902-1, 547 p., p. 136-161
15. Malkwitz, I., **Berndt, A.**, Dauschies, A., Bangoura, B. (2013) Long-term investigation on *Toxoplasma gondii*-infected primary chicken macrophages. Parasitol. Res. 112(9), 3115-3122
16. Braukmann M., Sachse K., Jacobsen I.D., Westermann M., Menge C., Saluz H.P., **Berndt A.** (2012) Distinct intensity of host-pathogen interactions in *Chlamydia psittaci*- and *Chlamydia abortus*-infected chicken embryos. Infect Immun. 80 (9):2976-2988
17. Reinhold, P., Ostermann, C., Liebler-Tenorio, E., **Berndt, A.**, Vogel, A., Lambertz, J., Rothe, M., Rüttger, A., Schubert, E., Sachse, K. (2012) A bovine model of respiratory *Chlamydia psittaci* infection: challenge dose titration. PLoS One 7(1):e30125
18. Foster, N., **Berndt, A.**, Lalmanach, A.-C., Methner, U., Pasquali, P., Rychlik, I., Velge, P., Zhou, X., Barrow, P. (2011) Emergency and therapeutic vaccination - is stimulating innate immunity an option? Research in Veterinary Science, Res Vet Sci. 93(1):7-12
19. Methner, U., A. Haase, **A. Berndt**, G. Martin, B. Nagy, P.A. Barrow, (2011) Exploitation of intestinal colonization-inhibition between *Salmonella* organisms for live vaccines in poultry - potential and limitations. Zoonoses Public Health, 58, 540-548
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21. Methner, U., Barrow, P., **Berndt, A.**, Rychlik, I. (2011) *Salmonella* Enteritidis with double deletion in *phoP/fliC-A* potential live *Salmonella* vaccine candidate with novel characteristics for use in chickens. Vaccine 29, 3248-3253.
22. Pieper J., Methner U., **Berndt A.** (2011) Characterization of avian gamma/delta T-cell subsets after *Salmonella* Typhimurium infection of chicks. Infect Immun 79, 822-829
23. Richter P, Umbreit C, Franz M, **Berndt A**, Grimm S, Uecker A, Böhmer FD, Kosmehl H, Berndt A. (2011) EGF/TGFbeta1 co-stimulation of oral squamous cell carcinoma cells causes an epithelial-mesenchymal transition cell phenotype expressing laminin 332. J Oral Pathol 40, 46-54
24. Methner, U., Barrow, P.A., **Berndt, A.** (2010) Induction of a homologous invasion-inhibition effect after administration of *Salmonella* strains to newly hatched chicks. Vaccine 28, 6958-6963
25. Berndt A, Köllner R, Richter P, Franz M, Voigt A, **Berndt A**, Borsi L, Giavazzi R, Neri D, Kosmehl H. (2010). A comparative analysis of oncofetal fibronectin and tenascin-C incorporation in tumour vessels using human recombinant SIP format antibodies. Histochem Cell Biol 133, 467-75.
26. Jacobsen, I.D., Große, K., Slesiona, S., Hube, B., **Berndt, A.**, Brock, M., (2010) Embryonated eggs as an alternative infection Model to investigate *Aspergillus fumigatus* Virulence. Infect Immun 78, 2995-3006
27. Franz, M., Spiegel, K., Umbreit, C., Richter, P., Codina-Canet, C., **Berndt, A.**, Altendorf-Hofmann, A., Koscielny, S., Hyckel, P., Kosmehl, H., Virtanen, I., Berndt, A. (2009)

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  30. Pieper, J., Methner, U., **Berndt, A.** (2008) Heterogeneity of avian gamma delta T cells. *Vet Immunol Immunopathol* 124, 241-252
  31. Reinhold, P., Kirschvink, N., Teegarten, D., **Berndt, A.**, (2008) An experimentally induced *Chlamydia suis* infection in pigs results in severe lung function disorders and pulmonary inflammation. *Vet Res* 39,35-54
  32. González-Carvajal, B., Methner, U., Pieper, J., **Berndt, A.**, (2008) Effects of *Salmonella enterica* serovar Enteritidis on cellular recruitment and cytokine gene expression in caecum of vaccinated chickens. *Vaccine* 26, 5423-5433
  33. Grahner, A., Richter, S., Siegert, F., **Berndt, A.**, Hauschildt, S. (2008) The ortholog of the „acatalytic“ mammalian ART4 in chicken is an arginine-specific mono-ADP-ribosyltransferase. *BMC Mol Biol* 8, 86-101
  34. Richter, P., Junker, K., Franz, M., **Berndt, A.**, Geyer, C., Gajda, M., Kosmehl, H., Berndt, A., Wunderlich, H. (2008) IIICS de novo glycosylated fibronectin as a marker for invasiveness in rothelial carcinoma of the urinary bladder. *J. Cancer Res Clin Oncol* 134, 1059-1065
  35. Borrmann, E., **Berndt, A.**, Hänel, I., Köhler, H., (2007) *Campylobacter-jejuni* induced interleukin-8 release by human intestinal epithelial cells and primary intestinal chick cells. *Vet Microbiol* 124, 115-124
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  37. Walder, G., Gritsch, W., Wiedermann, C.J., Polzl, G., Laufer, G., Hotzel, H., **Berndt, A.**, Pankuweit, S., Theegarten, D., Anhenn, O., Oehme, A., Dierich, M.P., Wurzner, R. (2007) Co-infection with two *Chlamydophila* species in a case of fulminant myocarditis. *Crit Care Med* 35, 623-626
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