

List of published preliminary research relevant to the research program

Dorhoi, Anca

Peer-reviewed Publications (selection)

1. Agrawal N, Streats I, Pei G, Weiner J, Kotze L, Bandermann S, Lozza L, Walzl G, du Plessis N, Ioana M, Kaufmann SHE, **Dorhoi A**. 2018. Human Monocytic Suppressive Cells Promote Replication of *Mycobacterium tuberculosis* and Alter Stability of in vitro Generated Granulomas. *Front Immunol* 9:2417
2. Pei G, Buijze H, Liu H, Moura-Alves P, Goosmann C, Brinkmann V, Kawabe H, **Dorhoi A**, Kaufmann SHE. 2017. The E3 ubiquitin ligase Nedd4 enhances killing of membrane-perturbing intracellular bacteria by promoting autophagy. *Autophagy* 13:2041-2055
3. Domaszewska T, Scheuermann L, Hahnke K, Mollenkopf H, **Dorhoi A**, Kaufmann SHE, Weiner J 3rd. 2017. Concordant and discordant gene expression patterns in mouse strains identify best-fit animal model for human tuberculosis. *Sci Rep* 7:12094
4. Kaufmann SHE, **Dorhoi A**. 2016. Molecular determinants in phagocyte-bacteria interactions. *Immunity* 44:476-491 (Review)
5. Naujoks J, Tabeling C, Dill BD, Hoffmann C, Brown AS, Kunze M, Kempa S, Peter A, Mollenkopf HJ, **Dorhoi A**, Kershaw O, Gruber AD, Sander LE, Witzernath M, Herold S, Nerlich A, Hocke AC, van Driel I, Suttorp N, Bedoui S, Hilbi H, Trost M, Opitz B. 2016. IFNs modify the proteome of Legionella-containing vacuoles and restrict infection via IRG1-derived itaconic acid. *PLoS Pathog* 12:e1005408
6. Saiga H, Nieuwenhuizen N, Gengenbacher M, Koehler AB, Schuerer S, Moura-Alves P, Wagner I, Mollenkopf HJ, **Dorhoi A**, Kaufmann SH. 2015. The recombinant BCG Δ ureC::hly vaccine targets the AIM2 inflammasome to induce autophagy and inflammation. *J Infect Dis* 211:1831-1841
7. **Dorhoi A**, Yeremeev V, Nouailles G, Weiner J 3rd, Jörg S, Heinemann E, Oberbeck-Müller D, Knaul JK, Vogelzang A, Reece ST, Hanke K, Mollenkopf HJ, Brinkmann V, Kaufmann SH. 2014. Type I IFN signaling triggers immunopathology in tuberculosis-susceptible mice by modulating lung phagocyte dynamics. *Eur J Immunol* 44:2380-2393
8. Nouailles G, **Dorhoi A**, Koch M, Zerrahn J, Weiner J 3rd, Faé KC, Arrey F, Kuhlmann S, Bandermann S, Loewe D, Mollenkopf HJ, Vogelzang A, Meyer-Schwesinger C, Mittrücker HW, McEwen G, Kaufmann SH. 2014. CXCL5-secreting pulmonary epithelial cells drive destructive neutrophilic inflammation in tuberculosis. *J Clin Invest* 124:1268-1282
9. **Dorhoi A***, Iannaccone M*, Farinacci M, Faé KC, Schreiber J, Moura-Alves P, Nouailles G, Mollenkopf HJ, Oberbeck-Mueller D, Jörg S, Heinemann E, Hahnke K, Löwe D, Del Nonno F, Goletti D, Capparelli R, Kaufmann SH. 2013. MicroRNA-223 controls susceptibility to tuberculosis by regulating lung neutrophil recruitment. *J Clin Invest* 123:4836-4848. * Equal contribution
10. Reece ST, Loddenkemper C, Askew DJ, Zedler U, Schommer-Leitner S, Stein M, Mir FA, **Dorhoi A**, Mollenkopf HJ, Silverman GA, Kaufmann SH, 2010. Serine protease activity contributes to control of *Mycobacterium tuberculosis* in hypoxic lung granulomas in mice. *J Clin Invest* 120:3365-3376