

List of published preliminary research relevant to the research program

Holtfreter, Silva

Peer-reviewed Publications (selection)

1. Raafat D, Otto M, Reppschläger K, Iqbal J, **Holtfreter S**. 2019. Fighting *Staphylococcus aureus* Biofilms with Monoclonal Antibodies. *Trends Microbiol* 27:303-322 (Review)
2. Trübe P, Hertlein T, Mrochen DM, Schulz D, Jorde I, Krause B, Zeun J, Fischer S, Wolf SA, Walther B, Semmler T, **Bröker BM**, Ulrich RG, Ohlsen K, **Holtfreter S**. 2019. Bringing together what belongs together: Optimizing murine infection models by using mouse-adapted *Staphylococcus aureus* strains. *Int J Med Microbiol* 309:26-38
3. Mrochen DM, Grumann D, Schulz D, Gumz J, Trübe P, Pritchett-Corning K, Johnson S, Nicklas W, Kirsch P, Martelet K, van den Brandt J, Berg S, **Bröker BM**, Wiles S, **Holtfreter S**. 2018. Global spread of mouse-adapted *Staphylococcus aureus* lineages CC1, CC15, and CC88 among mouse breeding facilities. *Int J Med Microbiol* 308:598-606
4. Mrochen DM, Schulz D, Fischer S, Jeske K, El Gohary H, Reil D, Imholt C, Trübe P, Suchomel J, Tricaud E, Jacob J, Heroldová M, **Bröker BM**, Strommenger B, Walther B, Ulrich RG, **Holtfreter S**. 2018. Wild rodents and shrews are natural hosts of *Staphylococcus aureus*. *Int J Med Microbiol* 308 (6):590-597
5. Sun Y, Emolo C, **Holtfreter S**, Wiles S, Kreiswirth B, Missiakas D, Schneewind O. 2018. Staphylococcal Protein A Contributes to Persistent Colonization of Mice with *Staphylococcus aureus*. *J Bacteriol* 200(9). pii:e00735-17
6. Schulz D, Grumann D, Trübe P, Pritchett-Corning K, Johnson S, Reppschläger K, Gumz J, Sundaramoorthy N, Michalik S, Berg S, van den Brandt J, Fister R, Monecke S, Uy B, Schmidt F, **Bröker BM**, Wiles S, **Holtfreter S**. 2017. Laboratory Mice Are Frequently Colonized with *Staphylococcus aureus* and Mount a Systemic Immune Response—Note of Caution for In vivo Infection Experiments. *Front Cell Infect Microbiol* 7:152
7. **Holtfreter S**, Grumann D, Balau V, Barwich A, Kolata J, Goehler A, Weiss S, Holtfreter B, Bauerfeind SS, Döring P, Friebe E, Haasler N, Henselin K, Kühn K, Nowotny S, Radke D, Schulz K, Schulz SR, Trübe P, Vu CH, Walther B, Westphal S, Cuny C, Witte W, Völzke H, Grabe HJ, Kocher T, Steinmetz I, **Bröker BM**. 2016. Molecular Epidemiology of *Staphylococcus aureus* in the General Population in Northeast Germany: Results of the Study of Health in Pomerania (SHIP-TREND-0). *J Clin Microbiol* 54:2774-2785
8. **Holtfreter S**, Kolata J, Stentzel S, Bauerfeind S, Schmidt F, Sundaramoorthy N, **Bröker BM**. 2016. Omics Approaches for the Study of Adaptive Immunity to *Staphylococcus aureus* and the Selection of Vaccine Candidates. *Proteomes* 4(1). pii:E11 (Review)
9. **Bröker BM**, **Holtfreter S**, Bekeredjian-Ding I. 2014. Immune control of *Staphylococcus aureus* - regulation and counter-regulation of the adaptive immune response. *Int J Med Microbiol* 304:204-214 (Review)
10. **Holtfreter S**, Radcliff FJ, Grumann D, Read H, Johnson S, Monecke S, Ritchie S, Clow F, Goerke C, **Bröker BM**, Fraser JD, Wiles S. 2013. Characterization of a Mouse-Adapted *Staphylococcus aureus* Strain. *PLoS One* 8(9):e71142