

## List of published preliminary research relevant to the research program

### Bröker, Barbara

#### Peer-reviewed Publications (selection)

1. Bachert C, Humbert M, Hanania NA, Zhang N, Holgate S, Buhl R, **Bröker BM**. 2020. *Staphylococcus aureus* and its IgE-inducing enterotoxins in asthma: current knowledge. *Eur Respir J* 55:1901592. (Review)
2. Schreiber J, **Bröker BM**, Ehmann R, Bachert C. 2019. Non-atopic severe asthma might still be atopic: Sensitization towards *Staphylococcus aureus* enterotoxins. *J Allergy Clin Immunol* 143:2279-2280.e2
3. Teufelberger AR, Nordengrün M, Braun H, Maes T, De Grove K, Holtappels G, O'Brien C, Provoost S, Hammad H, Gonçalves A, Beyaert R, Declercq W, Vandenaabeele P, Krysko DV, **Bröker BM**, Bachert C, Krysko O. 2018. The IL-33/ST2 axis is crucial in type 2 airway responses induced by the *Staphylococcus aureus* protease SplD. *J Allergy Clin Immunol* 141:549-559
4. Stentzel S, Hagl B, Abel F, Kahl BC, Rack-Hoch A, **Bröker BM**, Renner ED. 2017. Reduced Immunoglobulin (Ig) G Response to *Staphylococcus aureus* in STAT3 Hyper-IgE Syndrome. *Clin Infect Dis* 64:1279-1282
5. Stentzel S, Teufelberger A, Nordengrün M, Kolata J, Schmidt F, van Crombruggen K, Michalik S, Kumpfmüller J, Tischer S, Schweder T, Hecker M, Engelmann S, **Völker U**, Krysko O, Bachert C, **Bröker BM**. 2017. Staphylococcal serine protease-like proteins are pacemakers of allergic airway reactions to *Staphylococcus aureus*. *J Allergy Clin Immunol* 139:492-500
6. Selle M, Hertlein T, Oesterreich B, Klemm T, Kloppot P, Müller E, Ehrlich R, Stentzel S, **Bröker BM**, Engelmann S, Ohlsen K. 2016. Global antibody response to *Staphylococcus aureus* live-cell vaccination. *Sci Rep* 6:24754
7. Kolata JB, Kühbandner I, Link C, Normann N, Vu CH, Steil L, Weidenmaier C, **Bröker BM**. 2015. The Fall of a Dogma? Unexpected high T-cell memory response to *Staphylococcus aureus* in humans. *J Infect Dis* 212:830-838
8. Stentzel S, Sundaramoorthy N, Michalik S, Nordengrün M, Schulz S, Kolata J, Kloppot P, Engelmann S, Steil L, Hecker M, Schmidt F, **Völker U**, Roghmann MC, **Bröker BM**. 2015. Specific serum IgG at diagnosis of *Staphylococcus aureus* bloodstream invasion is correlated with disease progression. *J Proteomics* 128:1-7
9. Kolata J, Bode LG, **Holtfreter S**, Steil L, Kusch H, Holtfreter B, Albrecht D, Hecker M, Engelmann S, van Belkum A, **Völker U**, **Bröker BM**. 2011. Distinctive patterns in the human antibody response to *Staphylococcus aureus* bacteremia in carriers and non-carriers. *Proteomics* 11:3914-3927
10. **Holtfreter S**, Roschack K, Eichler P, Eske K, Holtfreter B, Kohler C, Engelmann S, Hecker M, Greinacher A, **Bröker BM**. 2006. *Staphylococcus aureus* carriers neutralize superantigens by antibodies specific for their colonizing strain: a potential explanation for their improved prognosis in severe sepsis. *J Infect Dis* 193:1275-1278