

Dr Silke Machata

Alumni

Publications

Machata S, Sreekantapuram S, Hünninger K, Kurzai O, Dunker C, Schubert K, Krüger W, Schulze-Richter B, Speth C, Rambach G, Jacobsen ID (2021) Significant differences in host-pathogen interactions between murine and human whole blood. *Front Immunol* 11, 565869.

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Machata S, Müller MM, Lehmann R, Sieber P, Panagiotou G, Carvalho A, Cunha C, Lagrou K, Maertens J, Slevogt H, Jacobsen ID (2020) Proteome analysis of bronchoalveolar lavage fluids reveals host and fungal proteins highly expressed during invasive pulmonary aspergillosis in mice and humans. *Virulence* 11(1), 1337-1351.

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Gault J, Malosse C, Machata S, Millien C, Podglajen I, Ploy MC, Costello CE, Duménil G, Chamot-Rooke J (2014) Complete posttranslational modification mapping of pathogenic *Neisseria meningitidis* pilins requires top-down mass spectrometry. *Proteomics* 14(10), 1141-1151.

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Soyer M, Charles-Orszag A, Lagache T, Machata S, Imhaus AF, Dumont A, Millien C, Olivo-Marín JC, Duménil G (2014) Early sequence of events triggered by the interaction of *Neisseria meningitidis* with endothelial cells. *Cell Microbiol* 16(6), 878-895.

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Mukherjee K, Abu Mraheil M, Silva S, Müller D, Cemic F, Hemberger J, Hain T, Vilcinskas A, Chakraborty T (2011) Anti-*Listeria* activities of *Galleria mellonella* hemolymph proteins. *Appl Environ Microbiol* 77(12), 4237-4240.

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Hain T, Hossain H, Chatterjee SS, Machata S, Volk U, Wagner S, Brors B, Haas S, Kuenne CT, Billion A, Otten S, Pane-Farre J, Engelmann S, Chakraborty T (2008) Temporal transcriptomic analysis of the *Listeria monocytogenes* EGD-e sigmaB regulon. *BMC Microbiol* 8, 20.

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Machata S, Tchatalbachev S, Mohamed W, Jänsch L, Hain T, Chakraborty T (2008) Lipoproteins of *Listeria monocytogenes* are critical for virulence and TLR2-mediated immune activation. *J Immunol* 181(3), 2028-2035.

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Chatterjee SS, Hossain H, Otten S, Kuenne C, Kuchmina K, Machata S, Domann E, Chakraborty T, Hain T (2006) Intracellular gene expression profile of *Listeria monocytogenes*. *Infect Immun* 74(2), 1323-1338.

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Machata S, Hain T, Rohde M, Chakraborty T (2005) Simultaneous deficiency of both MurA and p60 proteins generates a rough phenotype in *Listeria monocytogenes*. *J Bacteriol* 187(24), 8385-8394.

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