

Curriculum Vitae

Bastian Opitz Professor, Dr. med.
d.o.b. February 13th, 1976, in Berlin, Germany

University Education

2009 Habilitation Experimental Medicine, Charité Universitätsmedizin Berlin
2003 Doctorate Medicine, Charité Universitätsmedizin Berlin
1995–2002 Studies of Medicine, Humboldt-University, Berlin, and National University of Ireland, Galway

Scientific Career

Since 2020 PI, BMBF-funded research network MAPVAP
Since 2018 Editorial Board member - *Med Microbiol Immunol*.
Since 2014 Editorial Board member - *Am J Respir Cell Mol Biol*.
Since 2010 Professor (W2), Charité
Since 2010 PI, collaborative research center / transregio (SFB-TR84), since 2018 member of the executive board
2015-2019 PI, DFG-funded priority program (SPP1580)
2010-2015 PI, DFG-funded international graduate school GRK1673
2010-2015 Training in Medical Microbiology, Charité – Universitätsmedizin Berlin and Labor Berlin, Board Certificate “Medical Microbiology, Virology and Infection epidemiology”
Since 2009 Faculty member, ZIBI graduate school
2008 Visiting scientist, Yale University School of Medicine, Section of Microbial Pathogenesis, Prof. Craig Roy; funded by the Boehringer Ingelheim Foundation
Since 2006 Scientific Group Leader at the Department of Internal Medicine/Infectious Diseases and Pulmonary Medicine, Charité – Universitätsmedizin Berlin
2004-2006 Postdoc at the Department of Internal Medicine/Infectious Diseases and Pulmonary Medicine, Charité – Universitätsmedizin Berlin
2003–2004 „Arzt im Praktikum, Department of Internal Medicine/Infectious Diseases and Pulmonary Medicine, Charité – Universitätsmedizin Berlin

Awards and Stipends

2018 Wolfgang-Stille prize of the Paul-Ehrlich-Society (PEG)
2016 First ever “Paper of the Month”, German Society of Hygiene and Microbiology (DGHM)
2009 Fritz-und-Ursula-Melchers prize of the German Society of Immunology (DGfI)
2008 Stipend by the Boehringer Ingelheim Foundation
2006 Post-doctoral Fellow Travel Award, “Society for Leukocyte Biology and the International Endotoxin & Innate Immunity Society”
2006 Research stipend, German Respiratory Society (DGP)

Citation Record

Total citations: 4,951; h-index: 37 (Web of Science July 25th, 2022)

Top-10 selected Publications

Wee B, Alves J, Lindsay DSJ, Klatt AB, Sarginson FA, Cameron RL, Pickering A, Gorzynski J, Corrande J, Marttinen P, **Opitz B**, Smith AJ, Fitzgerald JR. Population analysis of Legionella pneumophila reveals the basis for resistance to complement-mediated killing. **Nat Commun.** 2021;12:7165.

Thibeault C, Suttorp N, **Opitz B**. The microbiota in pneumonia: from protection to predisposition. **Sci Transl Med.** 2021;13

Robak O, Heimesaat MM, Kruglov A, Prepens S, Gutbier B, Reppe K, Hochrein H, Suter M, Kirschning CJ, Schneider P, Witzernath M, Bereswill S, Steinhoff U, Suttorp N, Sander LE, Chaput C*, **Opitz B***. Antibiotic treatment-induced secondary IgA-deficiency enhances susceptibility to Pseudomonas aeruginosa pneumonia. **J Clin Invest.** 2018;28:3535-3545.

Ruiz-Moreno JS, Hamann L, Shah JA, Verbon A, Mockenhaupt FP, Puzianowska-Kuznicka M, Naujoks J, Sander LE, Witzernath M, Cambier JC, Suttorp N, Schumann RR, Jin L, Hawn TR, **Opitz B**, CAPNETZ Study Group. A common hypomorphic STING variant affects cGAS-dependent antibacterial defense and is associated with susceptibility to Legionnaires' disease in humans. **PLOS Pathogens.** 2018;14:e1006829.

Naujoks N, 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, Nehrlich A, Hocke AC, van Driel I, Suttorp N, Bedoui B, Hilbi H, Trost M, **Opitz B**. IFNs modify the proteome of Legionella-containing vacuoles and restrict infection via IRG1-derived itaconic acid. **PLoS Pathogens.** 2016;12:e1005408.

Koppe U, Högnner K, Doehn JM, Müller HC, Witzernath M, Gutbier B, Bauer S, Pribyl T, Hammerschmidt S, Lohmeyer J, Suttorp N, Herold S, **Opitz B**. Streptococcus pneumoniae stimulates a STING- and IRF3-dependent type I interferon production in macrophages, which regulates RANTES production in macrophages, co-cultured alveolar epithelial cells, and mouse lungs. **J Immunol.** 2012;188:811-17.

Witzernath M, Pache F, Lorenz D, Koppe U, Schönrock S, Meixenberger K, Dorhoi A, Ma J, Holmes A, Trendelenburg G, Heimesaat MM, Bereswill S, van der Linden M, Tschopp J, Mitchell TJ, Suttorp N, **Opitz B**. The NLRP3 Inflammasome is Differentially Activated by Pneumolysin Variants and Contributes to Host Defense in Pneumococcal Pneumonia. **J Immunol.** 2011;187:434-40..

Opitz B, van Laak V, Eitel J, Suttorp N. Innate immune recognition in infectious and non-infectious diseases of the lung. **Am J Respir Crit Care Med.** 2010;181:1294-309.

Opitz B, Rejaibi A, Dauber B, Eckhard J, Vinzing M, Schmeck B, Hippenstiel S, Suttorp N, Wolff T. IFN β induction by influenza A virus is mediated by RIG-I which is regulated by the viral NS1 protein. **Cell. Microbiol.** 2007;9:930-8.

Opitz B, Förster S, Hocke AC, Maass M, Schmeck B, Hippenstiel S, Suttorp N, Krüll M. Nod1 mediated endothelial cell activation by C. pneumoniae. **Circ. Res.** 2005;96:319-26.