

Curriculum Vitae

Bernd Schmeck Professor, Dr. med.
d.o.b. August 19th, 1974, Germany

University Education

2007 Habilitation Internal Medicine, Charité Berlin
2002 Doctorate Medicine, Humboldt University Berlin
1994–2000 Studies of Medicine, Humboldt University Berlin

Scientific Career

Since 2026 Speaker of the Marburg-Site of NUM-Network of University Medicine
Since 2022 Member of ILH (Institute for Lung Health)
Since 2020 Head of the Clinical Section for Respiratory Infections at the Dept. for Respiratory and Critical Care Medicine, University Medical Center Marburg
Since 2020 Member of DZIF
Since 2020 Member of SYNMIKRO
2017–2020 Member of the Executive Board of EASYM
Since 2016 Member of the Editorial Board of “Frontiers in Medicine – Precision Medicine”
Since 2013 Founding Director of the Institute for Lung Research, Philipps-University Marburg
Since 2012 Associated Specialist for Infectious Diseases at the Dept. for Respiratory and Critical Care Medicine, University Medical Center Marburg
2012–2015 Member of the Editorial Board of the European Respiratory Journal
2012–2015 Member of the Steering Committee of UGMLC
Since 2011 Head of the DZL Systems Biology Platform
Since 2011 Member of DZL
Since 2011 Chair and Full Professor in Molecular Pulmonology, Philipps-University Marburg (UMR)
2008–2011 Junior Group Leader “Systems Biology of Lung Inflammation” (BMBF-FORSYS-Lung), Charité Berlin
2003–2007 Postdoctoral Fellowship, Dept. of Internal Medicine, Infectious Diseases and Pulmonary Medicine, Charité Berlin
2003 Visiting Scientist at Johns-Hopkins-University, Baltimore, Maryland, USA

Awards and Honors

Since 2023 Speaker of the DZL DA COPD
2022-2026 Vice-Speaker of PermedCOPD
2021-2025 Speaker of LOEWE Diffusible Signals
2018-2022 Speaker of ERACO-SysMed: SysMed-COPD
2017–2021 Vice-Speaker of JPIAMR Restrict-Pneumo-AMR
2015–2017 Vice-Speaker of LOEWE Medical RNomics
2009 Research Award of the German Society for Infectiology
2008 Young Investigator Scholarship, Charité Berlin

Citation Record

Total citations: 9,210; h-index: 52; h-index since 2021: 31 (Google Scholar March 3rd, 2026)

Top-10 selected Publications

Pott H, Martin R, Köbbe L, Maj C, Abdo M, Hinz L, Klinkhammer H, Bertrams W, Mattutat J, Kutzinski M, Weckler BC, Alter P, Biertz F, Speicher T, Jung AL, Laakmann K, Lehmann M, Mayr A, Vogelmeier CF, Heider D, Schumacher J, **Schmeck B**; COSYCONET study group. Polygenic Risk Scores of COPD Predict Lung Function Decline and Early COPD: Results from COSYCONET. **Am J Respir Crit Care Med.** 2026: aamaf054. doi: [10.1093/ajrccm/aamaf054](https://doi.org/10.1093/ajrccm/aamaf054).

Melo-Narvaez MC, Eger C, Bertrams W, Benedikter BJ, Ling F, Jones MR, Jung AL, Pauck K, Weckler BC, Pott H, Procida-Kowalski T, Wilhelm J, Vollmeister E, Garn H, Kirschbaum A, Rohde G, Wygrecka M, Nawroth J, Talavera-López C, **Schmeck B**, Lehmann M. Single-cell mapping reveals CXCL11 as a driver of mucus production and inflammation in influenza A virus exacerbation in COPD. **Thorax**. 2026; thorax-2025-224202. doi: [10.1136/thorax-2025-224202](https://doi.org/10.1136/thorax-2025-224202).

Aung HWW, Vermeersch K, McAuley HJC, Ramakrishnan S, Abdo M, Beersaerts A, Cass SP, Smallcombe N, Gyselinck I, Pott H, Ward TJC, Wright AKA, Brightling CE, Burgel PR, Contoli M, Franssen FME, Huerta A, Quint JK, **Schmeck B**, Vanfleteren LEGW, Waschki B, Watz H, Bafadhel M, Janssens W, Greening NJ; CICERO Consortium. Multidimensional prognostic risk stratification of COPD exacerbations: the baseline, acuity, and trigger (BAT) model. **Lancet Respir Med**. 2026;14(2):174-186. doi: [10.1016/S2213-2600\(25\)00362-5](https://doi.org/10.1016/S2213-2600(25)00362-5).

Bertrams W, Roessler FK, Bæk R, Jung AL, Laakmann K, Jørgensen MM, Lehmann M, Weckler B, Schulte LN, Rohde G, Bar N, Barten G, **Schmeck B**; CAPNETZ study group. Surface proteome of plasma extracellular vesicles differentiates between SARS-CoV-2 and influenza infection. **Virulence**. 2026 ;17(1):2590305. doi: [10.1080/21505594.2025.2590305](https://doi.org/10.1080/21505594.2025.2590305).

Schmerer N, Janga H, Aillaud M, Hoffmann J, Aznaourova M, Wende S, Steding H, Halder LD, Uhl M, Boldt F, Stiewe T, Nist A, Jerrentrup L, Kirschbaum A, Ruppert C, Rossbach O, Ntini E, Marsico A, Valasarajan C, Backofen R, Linne U, Pullamsetti SS, **Schmeck B**, Schulte LN. A searchable atlas of pathogen-sensitive lncRNA networks in human macrophages. **Nat Commun**. 2025;16(1):4733. doi: [10.1038/s41467-025-60084-x](https://doi.org/10.1038/s41467-025-60084-x).

Pott H, Weckler B, Gaffron S, Martin R, Maier D, Alter P, Biertz F, Speicher T, Bertrams W, Jung AL, Laakmann K, Heider D, Wouters M, Vogelmeier CF, **Schmeck B**; COSYCONET Study Group. Diffusion capacity and static hyperinflation as markers of disease progression predict 3-year mortality in COPD: Results from COSYCONET. **Respirology**. 2025;30(2):134-146. doi: [10.1111/resp.14843](https://doi.org/10.1111/resp.14843)

Weckler BC, Pott H, Race A, Jugkaeo N, Karki K, Ringshandl S, Seidemann C, Schöndorf I, Renz H, Fähndrich S, Jung AL, Bertrams W, Makoudjou A, Zöller D, Finotto S, Schild S, Seuchter SA, Rohde G, Trinkmann F, Greulich T, Vogelmeier CF, **Schmeck B**. Eosinopenia as Predictor of Disease Severity in Patients With Community-Acquired Pneumonia: An Observational Study. **Chest**. 2024;166(6):1329-1333. doi: [10.1016/j.chest.2024.05.041](https://doi.org/10.1016/j.chest.2024.05.041).

Klabunde B, Wesener A, Bertrams W, Beinborn I, Paczia N, Surmann K, Blankenburg S, Wilhelm J, Serrania J, Knoop K, Elsayed EM, Laakmann K, Jung AL, Kirschbaum A, Hammerschmidt S, Alshaar B, Gisch N, Abu Mraheil M, Becker A, Völker U, Vollmeister E, Benedikter BJ, **Schmeck B**. NAD⁺ metabolism is a key modulator of bacterial respiratory epithelial infections. **Nat Commun**. 2023 2;14(1):5818. doi: [10.1038/s41467-023-41372-w](https://doi.org/10.1038/s41467-023-41372-w).

Herbel SM, Moyon L, Christ M, Elsayed EM, Caffrey BE, Malmsheimer S, Grin I, Hoffmann K, Surmann K, Blankenburg S, Jung AL, Herkt CE, Borsò M, Bozdag B, Imhof A, Becker A, Wagner S, Bange G, Völker U, Bertrams W, Marsico A, **Schmeck B**. Screening for eukaryotic motifs in Legionella pneumophila reveals Smh1 as bacterial deacetylase of host histones. **Virulence**. 2022;13(1):2042-2058. doi: [10.1080/21505594.2022.2149973](https://doi.org/10.1080/21505594.2022.2149973).

Aznaourova M, Schmerer N, Janga H, Zhang Z, Pauck K, Bushe J, Volkens SM, Wendisch D, Georg P, Ntini E, Aillaud M, Gündisch M, Mack E, Skevaki C, Keller C, Bauer C, Bertrams W, Marsico A, Nist A, Stiewe T, Gruber AD, Ruppert C, Li Y, Garn H, Sander LE, **Schmeck B**, Schulte LN. Single-cell RNA sequencing uncovers the nuclear decoy lincRNA PIRAT as a regulator of systemic monocyte immunity during COVID-19. **Proc Natl Acad Sci U S A**. 2022;119(36):e2120680119. doi: [10.1073/pnas.2120680119](https://doi.org/10.1073/pnas.2120680119).