

## Curriculum Vitae

**Julia Schipke** PD, Dr. rer. nat.  
d.o.b. May 26th, 1980, in Hannover, Germany

### University Education

2022 Habilitation Anatomy and Cell Biology, Medizinische Hochschule Hannover (MHH)  
2010 Dr. rer. nat., Center for Infection Biology (ZIB), MHH  
2001–2005 Studies of Biology, Leibniz University Hannover

### Scientific Career

Since 2022 Research Group Leader “Nutrition and cardiopulmonary health”, Institute of Functional and Applied Anatomy, MHH, Hannover, Germany  
2012–2022 Postdoctoral Research Associate, Institute of Functional and Applied Anatomy (Prof. Dr. Christian Mühlfeld), MHH, Hannover, Germany  
2010–2012 Postdoctoral Fellow, Institute of Virology, MHH, Hannover, Germany  
2006–2010 Doctoral thesis, Institute of Virology (Prof. Dr. Beate Sodeik) and International PhD program “Infection Biology”, MHH, Hannover, Germany  
2006, 2008 Research visits, Technion - Israel Institute of Technology, Prof. Dr. Amnon Harel, Haifa, Israel  
2005 Diploma degree in Biology, Leibniz University Hannover, Hannover, Germany (Subjects: Molecular Biology, Microbiology, Virology)

### Citation Record

Total citations: 1734; h-index: 15; h-index since 2018: 15 (Google Scholar December 12<sup>th</sup>, 2023)

### Top-10 selected Publications

Pankoke S, Schweitzer T, Bikker R, Pich A, Pfarrer C, Mühlfeld C, **Schipke J**. Obesity impacts hypoxia adaptation of the lung. **Am J Physiol Lung Cell Mol Physiol**. 2023, 325(3):L352-L359. doi: 10.1152/ajplung.00125.2023.

**Schipke J**, Kuhlmann S, Hegermann J, Fassbender S, Kühnel M, Jonigk D, Mühlfeld C. Lipofibroblasts in Structurally Normal, Fibrotic, and Emphysematous Human Lungs. **Am J Respir Crit Care Med**. 2021, 204(2):227-230. doi: 10.1164/rccm.202101-0043LE.

**Schipke J**, Jütte D, Brandenberger C, Autilio C, Perez-Gil J, Bernhard W, Ochs M, Mühlfeld C. Dietary Carbohydrates and Fat Induce Distinct Surfactant Alterations in Mice. **Am J Respir Cell Mol Biol**. 2021, 64(3):379-390. doi: 10.1165/rcmb.2020-0335OC.

Appuhn SV, Siebert S, Myti D, Wrede C, Surate Solaligue DE, Pérez-Bravo D, Brandenberger C, **Schipke J**, Morty RE, Grothausmann R, Mühlfeld C. Capillary Changes Precede Disordered Alveolarization in a Mouse Model of Bronchopulmonary Dysplasia. **Am J Respir Cell Mol Biol.** 2021, 65(1):81-91. doi: 10.1165/rcmb.2021-0004OC.

Ochs M, **Schipke J**. A short primer on lung stereology. **Respir Res.** 2021, 22(1):305. doi: 10.1186/s12931-021-01899-2.

Ahrendt N, Steingrüber T, Rajces A, Lopez-Rodriguez E, Eisenberg T, Magnes C, Madeo F, Sedej S, Schmiedl A, Ochs M, Mühlfeld C, **Schipke J**. Spermidine supplementation and voluntary activity differentially affect obesity-related structural changes in the mouse lung. **Am J Physiol Lung Cell Mol Physiol.** 2020, 319(2):L312-L324, doi: 10.1152/ajplung.00423.2019.

Wierich MC, **Schipke J\***, Brandenberger C, Abdellatif M, Eisenberg T, Madeo F, Sedej S, Mühlfeld C. Cardioprotection by spermidine does not depend on structural characteristics of the myocardial microcirculation in aged mice. **Exp Gerontol.** 2019, 119:82-88. doi: 10.1016/j.exger.2019.01.026 (\*equal contribution).

**Schipke J**, Vital M, Schnapper-Isl A, Pieper DH, Mühlfeld C. Spermidine and voluntary activity exert differential effects on sucrose-compared with fat-induced systemic changes in male mice. **J Nutr.** 2019, 149(3):451-462. doi: 10.1093/jn/nxy272.

**Schipke J**, Brandenberger C, Rajces A, Manninger M, Alogna A, Post H, Mühlfeld C. Assessment of cardiac fibrosis - a morphometric method comparison for collagen quantification. **J Appl Physiol.** 2017, 122(4):1019-1030. doi: 10.1152/jappphysiol.00987.2016.

Eisenberg T, Abdellatif M, Schroeder S, Primessnig U, Stekovic S, Pendl T, Harger A, **Schipke J**, Zimmermann A, Schmidt A, Tong M, Ruckstuhl C, Dammbroeck C, Gross AS, Herbst V, Magnes C, Trausinger G, Narath S, Meinitzer A, Hu Z, Kirsch A, Eller K, Carmona-Gutierrez D, Büttner S, Pietrocola F, Knittelfelder O, Schrepfer E, Rockenfeller P, Simonini C, Rahn A, Horsch M, Moreth K, Beckers J, Fuchs H, Gailus-Durner V, Neff F, Janik D, Rathkolb B, Rozman J, de Angelis MH, Moustafa T, Haemmerle G, Mayr M, Willeit P, von Frieling-Salewsky M, Pieske B, Scorrano L, Pieber T, Pechlaner R, Willeit J, Sigrist SJ, Linke WA, Mühlfeld C, Sadoshima J, Dengjel J, Kiechl S, Kroemer G, Sedej S, Madeo F, Cardioprotection and lifespan extension by the natural polyamine spermidine. **Nat Med.** 2016, 22(12):1428-1438, doi: 10.1038/nm.4222.