

Curriculum Vitae

Julia Duerr Dr. sc. hum.
d.o.b. 19th of September 1979

University Education

2011 Doctoral degree, Summa cum laude (A+), Department of Pediatric Pulmonology & Allergology and Cystic Fibrosis Center Ruprecht-Karls-University Heidelberg, Germany
2001 - 2004 Diploma in Biochemistry, University of Bayreuth, Germany
1999 - 2001 Biochemistry, pre-diploma, Ernst-Moritz-Arndt University, Greifswald, Germany

Scientific Career

Since 2018 Head of Research Unit Pediatric Pulmonology
Department of Pediatric Respiratory Medicine, Immunology and Intensive Care Medicine and Christiane Herzog CF Center, Charité - Universitätsmedizin Berlin
Director: Prof. Dr. med. Marcus A. Mall
Since 2014 Principle investigator, German Center for Lung Research (DZL)
2011 - 2018 Postdoc, Department of Translational Pulmonology, Center for Translational Lung Research (TLRC), Universität Heidelberg
2005 - 2011 PhD thesis, Department of Pediatric Pulmonology & Allergology and Cystic Fibrosis Center, Ruprecht-Karls-University Heidelberg, Germany
2004 - 2005 Internship, Boehringer Ingelheim Pharma GmbH & Co. KG, Biberach

Awards and Honors

2019 ERS Best Abstract, European Respiratory Society International Congress 2019
2019 LSC bursary recipient, 17th ERS Lung Science Conference: 'Mechanisms of Acute Exacerbation of Respiratory Disease'
2010 Novartis Young Fellows Travel Award, European Cystic Fibrosis Society Basic Science Conference, Carcavelos
2010 Best Poster Award, European Cystic Fibrosis Society Basic Science Conference, Carcavelos

Citation Record

Total citations: 758; h-index: 13 (Web of Science 29th of July 2022)

Top-10 selected Publications

Zhu L*, **Duerr J***, Zhou-Suckow Z, Wagner W, Weinheimer O, Salomon J, Leitz D, Konietzke P, Yu H, Ackermann M, Stiller W, Kauczor HU, Mall MA, Wielpütz MO. μ CT to quantify muco-obstructive lung disease and effects of neutrophil elastase knockout in mice. *Am J Physiol Lung Cell Mol Physiol*. 2022; 322(3):L401-L411. (*equal contribution)

Engelmann TA, Knudsen L, Leitz DHW, **Duerr J**, Beers MF, Mall MA, Ochs M. Linking Fibrotic Remodeling and Ultrastructural Alterations of Alveolar Epithelial Cells after Deletion of Nedd4-2. *Int J Mol Sci* 2021; 22.

Leitz DHW*, **Duerr J***, Mulugeta S, Seyhan Agircan A, Zimmermann S, Kawabe H, Dalpke AH, Beers MF, Mall MA. Congenital Deletion of Nedd4-2 in Lung Epithelial Cells Causes Progressive Alveolitis and Pulmonary Fibrosis in Neonatal Mice. *Int J Mol Sci* 2021; 22. (*equal contribution)

Fritzsching B, Hagner M, Dai L, Christochowitz S, Agrawal R, van Bodegom C, Schmidt S, Schatterny J, Hirtz S, Brown R, Goritzka M, **Duerr J**, Zhou-Suckow Z, Mall MA. Impaired mucus clearance exacerbates allergen-induced type 2 airway inflammation in juvenile mice. *J Allergy Clin Immunol* 2017; 140: 190-203 e195.

Gehrig S, **Duerr J**, Weitnauer M, Wagner CJ, Graeber SY, Schatterny J, Hirtz S, Belaouaj A, Dalpke AH, Schultz C, Mall MA. Lack of neutrophil elastase reduces inflammation, mucus hypersecretion, and emphysema, but not mucus obstruction, in mice with cystic fibrosis-like lung disease. *Am J Respir Crit Care Med*. 2014; 189(9):1082-92.

Duerr J, Leitz DHW, Szczygiel M, Dvornikov D, Fraumann SG, Kreutz C, Zadora PK, Seyhan Agircan A, Konietzke P, Engelmann TA, Hegermann J, Mulugeta S, Kawabe H, Knudsen L, Ochs M, Rotin D, Muley T, Kreuter M, Herth FJF, Wielpütz MO, Beers MF, Klingmüller U, Mall MA. Conditional deletion of Nedd4-2 in lung epithelial cells causes progressive pulmonary fibrosis in adult mice. *Nat Commun* 2020; 11: 2012.

Anagnostopoulou P*, Riederer B*, **Duerr J***, Michel S, Binia A, Agrawal R, Liu X, Kalitzki K, Xiao F, Chen M, Schatterny J, Hartmann D, Thum T, Kabesch M, Soleimani M, Seidler U, Mall MA. SLC26A9-mediated chloride secretion prevents mucus obstruction in airway inflammation. *J Clin Invest*. 2012; 122(10):3629-34. (*equal contribution)

Duerr J, Gruner M, Schubert SC, Haberkorn U, Bujard H, Mall MA. Use of a new-generation reverse tetracycline transactivator system for quantitative control of conditional gene expression in the murine lung. *Am J Respir Cell Mol Biol*. 2011; 44(2):244-54.

Anagnostopoulou P, Dai L, Schatterny J, Hirtz S, **Duerr J**, Mall MA. Allergic airway inflammation induces a pro-secretory epithelial ion transport phenotype in mice. *Eur Respir J* 2010;36:1436-1447.

Zhou Z, Treis D, Schubert SC, Harm M, Schatterny J, Hirtz S, **Duerr J**, Boucher RC, Mall MA. Preventive but not late amiloride therapy reduces morbidity and mortality of lung disease in betaENaC-overexpressing mice. *Am J Respir Crit Care Med*. 2008; 178(12):1245-56.