



- *Assistant Professor*
- *Division of Cell Biology*
- *Department of Pediatrics*
- *Department of Biomedical Research*

Conditions Treated:

Research Areas:

- *Genetics*
- *Genomics*
- *Molecular Genetics*
- *Cell Biology*
- *Models of Experimental Asthma*

Programs & Services:

- *Department of Biomedical Research*
- *Department of Pediatrics*
- *Cell Biology*

Education

1997 Ludwig-Maximilians University, Munich, Germany, MA, Biology

2003 Technical University Munich/Ludwig Maximilians University, Munich, Germany, PhD

Fellowship

2007 - 2009 Ludwig-Maximilians University, Munich, Germany, Post-Doctoral Fellow

2009 - 2010 National Jewish Health, Denver, Post-Doctoral Fellow

2010 - 2012 Medical School Hannover, Germany, Post-Doctoral Fellow

Affiliations with the University of Colorado Denver

Assistant Professor at the School of Medicine, Department of Pediatrics, University of Colorado Denver.

Awards & Recognition

2012: Young Scientist Awards, European Respiratory Society

2011: International Trainee Travel Award, American Thoracic Society

2009-2011: Marie Curie Outgoing Fellowship

2008-2009: Mentee in the LMUexcellent Mentoring Program, Ludwig-Maximilians University, Munich, Germany

2008: Oral Presentation Award, European Association of Asthma and Clinical Immunology

2008: Junior Member Poster Session Award, European Association of Asthma and Clinical Immunology

2007: Oral Presentation Award, European Association of Asthma and Clinical Immunology

2005: Junior Poster Session Award, World Allergy Congress

Publications

***Schedel M**, *Lluis A, Liu J, Illi S, Depner M, von Mutius E, Kabesch M, Schaub B. Asthma-associated polymorphisms in 17q21 influence cord blood *ORMDL3* and *GSDMA* gene expression and IL-17 secretion. *J Allergy Clin Immunol*. 2011;Jun;127(6):1587-94, *both authors contributed equally. PMID: 21546069

Schedel M, Michel S, Gaertner VD, Toncheva AA, Depner M, Binia A, Schieck M, Rieger MT, Klopp N, von Berg A, Bufe A, Laub O, Rietschel E, Heinzmann A, Simma B, Vogelberg C, Genuneit J, Illig T, Kabesch M. Polymorphisms related to *ORMDL3* are associated with asthma susceptibility, alterations in transcriptional regulation of *ORMDL3* and changes in Th2 cytokine levels. *J Allergy Clin Immunol*. 2015;136(4):893-903. PMID: 25930191

***Schedel M**, *Jia Y, Michel S, Takeda K, Domenico J, Joetham A, Ning F, Strand M, Han J, Wang M, Lucas JJ, Vogelberg C, Kabesch M, O'Connor BP, Gelfand EW. 1,25D3 prevents CD8⁺ Tc2 skewing and asthma development through VDR binding changes to the *Cyp11a1* promoter. *both authors contributed equally. *Nat Commun*. 2016;7:10213. PMCID: PMC4712703

Joetham A, **Schedel M**, O'Connor BP, Kim S, Takeda K, Abbott J, Gelfand EW. Inducible and naturally occurring T regulatory cells enhance lung allergic responses via divergent transcriptional pathways. [J Allergy Clin Immunol](#). 2017; 139(4):1331-1342. PMID: [27542981](#)

***Schedel M**, *Quinn K, Nkrumah-Elie Y, Joetham A, Armstrong M, Cruickshank-Quinn C, Reisdorph R, Gelfand E, Reisdorph N. Dysregulation of Metabolic Pathways in a Mouse Model of Allergic Asthma. *Both authors contributed equally. *Allergy*. 2017; Sep;72(9):1327-1337. PMID: 28213886

Doctor's Contact Information

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Locations

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