

## *Curriculum Vitae*

**Maus Ulrich A.** Professor, Dr. rer. nat.  
d.o.b. April 14th, 1964, in Heidelberg, Germany

### **University Education**

2004 Habilitation for Molecular Medicine, Justus-Liebig-Universität (JLU) Giessen  
1993-1996 Doctorate, JLU Giessen  
1992-1993 Diploma thesis, JLU Giessen  
1986-1991 Studies of Biology, JLU Giessen

### **Scientific Career**

Since 2009 Professor (W3) for Experimental Pneumology and Molecular Medicine at MHH  
and Head of the Division of Experimental Pneumology  
Since 2009 Member of the Ethics Committee of the Lower Saxony State Office for Consumer  
Protection and Food Safety  
2005-2009 Head of the Laboratory for Experimental Pneumology, Medical School Hannover  
(MHH)  
1999-2004 C1 Assistant for Experimental Pneumology, Department of Medicine, JLU Giessen  
1997-1999 Postdoctoral Fellow, Department of Medicine, JLU Giessen

### **Awards and Honors**

2003 Research Award for Basic Science of the DGP  
2015 Research Award for Basic Science in lung fibrosis, LungenfibrO2e e.V.

## Top-10 selected Publications

Ostermann L, Maus R, Stolper J, Schütte L, Katsarou K, Tumpara S, Pich A, Mueller C, Janciauskiene S, Welte T, **Maus UA**. Alpha-1 antitrypsin deficiency impairs lung antibacterial immunity in mice. **J Clin Invest Insight** 2021; 6:e140816. doi: [10.1172/jci.insight.140816](https://doi.org/10.1172/jci.insight.140816).

Tort Tarrés M, Aschenbrenner F, Maus R, Stolper J, Schuette L, Knudsen L, Lopez Rodriguez E, Jonigk D, Kühnel MP, DeLuca D, Prasse A, Welte T, Gaudie J, Kolb MR, **Maus UA**. The FMS-like tyrosine kinase-3 ligand/lung dendritic cell axis contributes to regulation of pulmonary fibrosis. **Thorax** 2019; 74:947-957. doi: [10.1136/thoraxjnl-2018-212603](https://doi.org/10.1136/thoraxjnl-2018-212603).

Behler-Janbeck F, Takano T, Maus R, Stolper J, Jonigk D, Tort Tarrés M, Fuehner T, Prasse A, Welte T, Timmer MS, Stocker BL, Nakanishi Y, Miyamoto T, Yamasaki S, **Maus UA**. C-type Lectin Mincle Recognizes Glucosyl-diacylglycerol of *Streptococcus pneumoniae* and Plays a Protective Role in Pneumococcal Pneumonia. **PLoS Pathog** 2016; 12:e1006038. doi: [10.1371/journal.ppat.1006038](https://doi.org/10.1371/journal.ppat.1006038).

Knippenberg S, Ueberberg B, Maus R, Bohling J, Ding N, Tort Tarres M, Hoymann HG, Jonigk D, Izykowski N, Paton JC, Ogunniyi AD, Lindig S, Bauer M, Welte T, Seeger W, Guenther A, Sisson TH, Gaudie J, Kolb M, **Maus UA**. *Streptococcus pneumoniae* triggers progression of pulmonary fibrosis through pneumolysin. **Thorax** 2015; 70:636-646. doi: [10.1136/thoraxjnl-2014-206420](https://doi.org/10.1136/thoraxjnl-2014-206420).

Steinwede K, Henken S, Bohling J, Maus R, Ueberberg B, Brumshagen C, Brincks EL, Griffith TS, Welte T, **Maus UA**. TNF-related apoptosis-inducing ligand (TRAIL) exerts therapeutic efficacy for the treatment of pneumococcal pneumonia in mice. **J Exp Med** 2012; 209:1937-1952. doi: [10.1084/jem.20120983](https://doi.org/10.1084/jem.20120983).

Weber M, Lambeck S, Ding N, Henken S, Kohl M, Digner HP, Enot DP, Igwe EI, Frappart L, Kiehnopf M, Claus RA, Kamradt T, Weih D, Vodovotz Y, Briles DE, Ogunniyi AD, Paton JC, **Maus UA\***, Bauer M\*. Hepatic induction of cholesterol biosynthesis reflects a remote adaptive response to pneumococcal pneumonia. **FASEB J** 2012; 26:2424-2436. doi: [10.1096/fj.11-191957](https://doi.org/10.1096/fj.11-191957). \*shared senior authorship.

Karpurapu M, Wang X, Deng J, Park H, Xiao L, Sadikot RT, Frey RS, **Maus UA**, Park GY, Scott EW, Christman JW. Functional PU.1 in macrophages has a pivotal role in NF- $\kappa$ B activation and neutrophilic lung inflammation during endotoxemia. **Blood** 2011; 118:5255-5266. doi: [10.1182/blood-2011-03-341123](https://doi.org/10.1182/blood-2011-03-341123).

Denzel A, **Maus UA**, Rodriguez Gomez M, Moll C, Niedermeier M, Winter C, Maus R, Hollingshead S, Briles DE, Kunz-Schughart LA, Talke Y, Mack M. Basophils enhance immunological memory responses. **Nat Immunol** 2008; 9:733-742. doi: [10.1038/ni.162](https://doi.org/10.1038/ni.162).

**Maus UA**, Backi M, Winter C, Srivastava M, Schwarz MK, Rückle T, Paton JC, Briles D, Mack M, Welte T, Maus R, Bohle RM, Seeger W, Rommel C, Hirsch E, Lohmeyer J, Preissner KT. Importance of phosphoinositide 3-kinase gamma in the host defense against pneumococcal infection. **Am J Respir Crit Care Med** 2007; 175:958-66. doi: [10.1164/rccm.200610-1533OC](https://doi.org/10.1164/rccm.200610-1533OC).

**Maus UA**, von Grote K, Kuziel WA, Mack M, Miller EJ, Cihak J, Stangassinger M, Maus R, Schlöndorff D, Seeger W, Lohmeyer J. The role of CC chemokine receptor 2 in alveolar monocyte and neutrophil immigration in intact mice. **Am J Respir Crit Care Med** 2002; 166: 268-273. doi: [10.1164/rccm.2112012](https://doi.org/10.1164/rccm.2112012).