

## Curriculum Vitae

### Silke Meiners

Prof. Dr. rer. nat. Silke Meiners

d.o.b. May 12<sup>th</sup>, 1968 in Hamburg, Germany

### Education

2008 Habilitation in Biochemistry at the Charité, Berlin  
1997 Dissertation at the Humboldt University Berlin  
1987-1993 Studies of biology at the Rheinische Friedrich Wilhelms-University Bonn (Diploma) and the University of East Anglia in Norwich/UK

### Professional Experience

Since 2021 W3-Leibniz Professorship for Immunoproteasome Research at the Christian-Albrechts-University zu Kiel (CAU) and research group leader at the Research Center Borstel/Leibniz Lung Center  
2017 - 2021 Associate professor (extracurricular, Prof. apl.) at the Medical faculty of the Ludwig-Maximilians-Universität München (LMU)  
2017 - 2018 Visiting professor at the University of Pittsburgh Medical Center (UPMC), Pittsburgh, USA  
2010 - 2021 Head of the research group „Proteasome Function in Lung Disease“ at the Comprehensive Pneumology Center (CPC), Helmholtz Center Munich  
2000 - 2008 Assistant professor at the Cardiology Research Lab at the Charité, Berlin  
1997 - 1999 Postdoc in the Institute of Biochemistry at the Charité, Berlin  
1994 - 1997 Dissertation at the Max Delbrück Center for Molecular Medicine (MDC), Berlin  
1992 - 1993 Diploma at the Institute of Genetics of the Rheinische Friedrich Wilhelms-University Bonn

### Selected Professional Activities and Memberships

Since 2021 Conference and Seminars Director of the European Respiratory Society (ERS)  
Since 2020 Associate editor of the *European Respiratory Journal* (ERJ)  
Since 2021 Associate editor of the *American Journal of Physiology Lung Physiology*  
2018 - 2021 Associate editor of the *ERS Monograph Book Publications*  
Since 2017 Co-chair of the DZL Academy  
2013 – 2016 Member of the program committee of the Respiratory Cell and Molecular Biology assembly of the American Thoracic Society (ATS)  
2012 - 2021 Ombudsperson for the HMGU PhD Program HELENA  
since 2012 Peer reviewer for International Science Foundations such as Israeli Science Foundation (ISF), Deutsche Forschungsgemeinschaft (DFG), Deutsche Krebshilfe, L'Agence national de la recherche (ANR), Asthma UK Research  
Since 2011 Principal Investigator of the Deutsches Zentrum für Lungenforschung  
since 2008 Peer reviewer for international journals including Nature Communication, Circulation, Journal of Clinical Investigation, Scientific Reports, European Respiratory Journal, American Journal of Critical Care Medicine

### Honors and Recognitions

2021 Leibniz-Professorship “Best minds”  
2019 *Secundo loco* for the W2 professorship “Physiology” at the Charité Berlin  
1996 PhD prize of the Max-Delbrück Center for Molecular Medicine, Berlin

## 10 Selected publications

Google scholar citations: 6148; H factor: 43

Wang X, Zhang H, Wang Y, Bramasole L, Guo K, Mourtada F, Meul T, Hu Q, Viteri V, Kammerl I, Königshoff M, Lehmann M, Magg T, Hauck F, Fernandez IE, Meiners S. DNA sensing via the cGAS/STING pathway activates the immunoproteasome and adaptive T-cell immunity. *EMBO J*. accepted for publication

Kammerl IE, Hardy S, Flexeder C, Urmann A, Peierl J, Wang Y, Vosyka O, Frankenberger M, Milger K, Behr J, Koch A, Merl-Pham J, Hauck SM, Pilette C, Schulz H, **Meiners S**. Activation of immune cell proteasomes in peripheral blood of smokers and COPD patients - implications for therapy. *Eur Respir J*. 2022 Mar 3;59(3):2101798.

Meul T, Berschneider K, Schmitt S, Mayr CH, Mattner LF, Schiller H, Yazgili A, Wang W, Lukas C, Prehn C, Adamski J, Graf E, Schwarzmayr T, Perocchi F, Kukat A, Trifunovic A, Kremer L, Prokisch H, Popper B, von Toerne C, Hauck SM, Zischka H, **Meiners S**. Mitochondrial regulation of the 26S proteasome. *Cell Rep*. 2020 Aug 25;32(8):108059.

Welk V, Coux O, Kleene V, Abeza C, Truembach D, Eickelberg O, **Meiners S**. Inhibition of Proteasome Activity Induces Formation of Alternative Proteasome Complexes. *J Biol Chem*. 2016 Jun 17;291(25):13147-59.

Kammerl IE, Dann A, Mossina A, Brech D, Lukas C, Vosyka O, Nathan P, Conlon TM, Wagner DE, Overkleeft HS, Prasse A, Rosas IO, Straub T, Krauss-Etschmann S, Königshoff M, Preissler G, Winter H, Lindner M, Hatz R, Behr J, Heinzlmann K, Yildirim AÖ, Noessner E, Eickelberg O, **Meiners S**. Impairment of Immunoproteasome Function by Cigarette Smoke and in COPD. *Am J Respir Crit Care Med*. 2016 Jun 1;193(11):1230-41.

Semren N, Welk V, Korfei M, Keller IE, Fernandez IE, Adler H, Günther A, Eickelberg O, **Meiners S**. Regulation of 26S Proteasome Activity in Pulmonary Fibrosis. *Am J Respir Crit Care Med*. 2015 Nov 1;192(9):1089-101.

van Rijt SH, Bölükbas DA, Argyo C, Datz S, Lindner M, Eickelberg O, Königshoff M, Bein T, **Meiners S**. Protease-Mediated Release of Chemotherapeutics from Mesoporous Silica Nanoparticles to ex Vivo Human and Mouse Lung Tumors. *ACS Nano*. 2015 Mar 24;9(3):2377-89.

**Meiners S**, Eickelberg O, Königshoff M. Hallmarks of the ageing lung. *Eur Respir J*. 2015 Mar;45(3):807-27. Review

**Meiners S**, Heyken D, Weller A, Ludwig A, Stangl K, Kloetzel PM, Krüger E. Inhibition of Proteasome Activity Induces Concerted Expression of Proteasome Genes and de novo Formation of Mammalian Proteasomes. *J Biol Chem*. 2003 Jun 13;278(24):21517-25.

**Meiners S**, Laule M, Rother W, Guenther C, Prauka I, Muschick P, Baumann G, Kloetzel PM, Stangl, K. The Ubiquitin-Proteasome Pathway as a New Target for the Prevention of Restenosis. *Circulation*. 2002 Jan 29;105(4):483-9.