Curriculum Vitae

Silke Meiners Professor, Dr. rer. nat.
d.o.b. May 12th, 1968 in Hamburg, Germany

University Education

2008	Habilitation in biochemistry at the Charité, Berlin
1994 – 1997	Dissertation at the Humboldt University Berlin
1987 - 1993	Studies of biology at the Rheinische Friedrich Wilhelms-Universität Bonn 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

2021 – 2025	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 recherché (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

Awards and Honors

2023	Dorothea-Erxleben Award of the Excellence cluster "Precision Medicine in Inflammation"
2021	Leibniz progessorship "Best minds"
2012	1st prize of the science slam at Helmholtz Center Munich
2005	Fellowship for habilitation of the Charité Berlin
1996	PhD prize of the Max-Delbrück Center for Molecular Medicine
1989	Erasmus fellowship

Citation Record
Total citations: 7010; *h-index:46; h-index since 2019: 31* (Google Scholar July 11,2024)

Top-10 selected Publications

1. Chen J, Wang X, Schmalen A, Haines S, Wolff M, Ma H, Zhang H, Stoleriu MG, Nowak J, Nakayama M, Bueno M, Brands J, Mora AL, Lee JS, Krauss-Etschmann S, Dmitrieva A, Frankenberger M, Hofer TP, Noessner E, Moosmann A, Behr J, Milger K, Deeg CA, Staab-Weijnitz CA, Hauck SM, Adler H, Goldmann T, Gaede KI, Behrends J, Kammerl IE, Meiners S. Antiviral $CD8^+$ T cell immune responses are impaired by cigarette smoke and in COPD. *Eur Respir J.* 2023 Jun 29:2201374.
2. Javitt A, Shmueli MD, Kramer MP, Kolodziejczyk AA, Cohen IJ, Radomir L, Sheban D, Kamer I, Litchfield K, Bab-Dinitz E, Zadok O, Neiens V, Ulman A, Wolf-Levy H, Eisenberg-Lerner A, Kacen A, Alon M, Rêgo AT, Stacher-Priehse E, Lindner M, Koch I, Bar J, Swanton C, Samuels Y, Levin Y, da Fonseca PCA, Elinav E, Friedman N, Meiners S, Merbl Y. The proteasome regulator PSME4 modulates proteasome activity and antigen diversity to abrogate antitumor immunity in NSCLC. *Nat Cancer*. 2023 May;4(5):629-647.
3. Wang X, Zhang H, Wang Y, Bramasole L, Guo K, Mourtada F, Meul T, Hu Q, Viteri V, Kammerl I, Konigshoff 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.* (2023) e110597.
4. 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.
5. Wang X, Meul T, Meiners S. Exploring the proteasome system: A novel concept of proteasome inhibition and regulation. *Pharmacol Ther*. 2020 Mar 13:107526. Review
6. 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
7. 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, Heinzelmann 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.
8. Meiners S, Eickelberg O, Königshoff M. Hallmarks of the ageing lung. *Eur Respir J.* 2015 Mar;45(3):807-27. Review
9. 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.
10. 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