

Curriculum Vitae

Carsten B. Schmidt-Weber

Professor PhD

d. o. b. January, 26th 1967, Wiesbaden, Germany

Work Experience

Since 2011

Member of the German Center of Lung Research

Since 2010

Director & chair: IAF Institut für Allergieforschung Helmholtz Center Munich, Germany

2007 – 2010

Reader: National Heart & Lung Institute, Imperial College, London (England)

1998 - 2006

Group leader: Swiss Institute of Allergy and Asthma Research

(SIAF), Davos (Switzerland)

1996 - 1998

PostDoc: Harvard Medical School, Immunology Research Division,

Dept. of Pathology, Brigham & Women's Hospital, Boston (USA)

Higher education

1992 - 1993

Diploma thesis: Max-Planck Gruppe für Rheumatologie und Immunologie, Friedrich-Alexander University

Erlangen-Nuremberg in Erlangen

1990 – 1992

Graduate studies: Biochemistry, Microbiology, Zoology und Immunology,

Max-Planck Group for Rheumatology & Immunology, Friedrich-Alexander University Erlangen-Nuremberg in Erlangen

1987 – 1990

Undergraduate studies: Technische Hochschule in Darmstadt

10 most important publications

Schröder A., Lunding L.P., Zissler U.M., Vock C., Webering S., Ehlers J.C., Orinska Z., Chaker A., Schmidt-Weber C.B., Lang N.J., Schiller H.B., Mall M.A., Fehrenbach H., Dinarello C.A., Wegmann M. IL-37 regulates allergic inflammation by counterbalancing pro- inflammatory IL-1 and IL-33 (2022) *Allergy: European Journal of Allergy and Clinical Immunology*, 77 (3), pp. 856 – 869 DOI: 10.1111/all.15072

Zissler UM, Jakwerth CA, Guerth F, Lewitan L, Rothkirch S, Davidovic M, Ulrich M, Oelsner M, Garn H, Schmidt-Weber CB, Chaker AM. Allergen-specific immunotherapy induces the suppressive secretoglobulin 1A1 in cells of the lower airways. *Allergy*. 2021 Aug;76(8):2461-2474. doi: 10.1111/all.14756. Epub 2021 Mar 6.

Wang SH, Zissler UM, Buettner M, Heine S, Heldner A, Kotz S, Pechtold L, Kau J, Plaschke M, Ullmann JT, Guerth F, Oelsner M, Alessandrini F, Blank S, Chaker AM, Schmidt-Weber CB, Jakwerth CA. An exhausted phenotype of TH 2 cells is primed by allergen exposure, but not reinforced by allergen-specific immunotherapy. *Allergy*. 2021 May 9. doi: 10.1111/all.14896. Epub ahead of print. PMID: 33969495.

Haimerl P, Bernhardt U, Schindela S, Henkel FDR, Lechner A, Zissler UM, Pastor X, Thomas D, Cecil A, Ge Y, Haid M, Prehn C, Tokarz J, Heinig M, Adamski J, Schmidt-Weber CB, Chaker AM, Esser-von Bieren J. Inflammatory macrophage memory in nonsteroidal anti-inflammatory drug-exacerbated respiratory disease. *J Allergy Clin Immunol*. 2020.10.1016/j.jaci.2020.04.064

de Los Reyes Jimenez M, Lechner A, Alessandrini F, Bohnacker S, Schindela S, Trompette A, Haimerl P, Thomas D, Henkel F, Mourao A, Geerlof A, da Costa CP, Chaker AM, Brune B, Nusing R, Jakobsson PJ, Nockher WA, Feige MJ, Haslbeck M, Ohnmacht C, Marsland BJ, Voehringer D, Harris NL, Schmidt-Weber CB, Esser-von Bieren J. An anti- inflammatory eicosanoid switch mediates the suppression of type-2 inflammation by helminth larval products. *Sci Transl Med*. 2020;12(540).10.1126/scitranslmed.aay0605

Russkamp D, Aguilar-Pimentel A, Alessandrini F, Gailus-Durner V, Fuchs H, Ohnmacht C, Chaker A, de Angelis MH, Ollert M, Schmidt-Weber CB, Blank S. IL-4 receptor alpha blockade prevents sensitization and alters acute and long-lasting effects of allergen-specific immunotherapy of murine allergic asthma. *Allergy*. 2019;74(8):1549-60.10.1111/all.13759 7. Oteros J, Bartusel E, Alessandrini F, Nunez A, Moreno DA, Behrendt H, Schmidt-Weber C, Traidl-Hoffmann C, Buters J. Artemisia pollen is the main vector for airborne endotoxin. *J Allergy Clin Immunol*. 2019;143(1):369-77 e5.10.1016/j.jaci.2018.05.040

Zissler UM, Ulrich M, Jakwerth CA, Rothkirch S, Guerth F, Weckmann M, Schiemann M, Haller B, Schmidt-Weber CB, Chaker AM. Biomatrix for upper and lower airway biomarkers in patients with allergic asthma. *J Allergy Clin Immunol*. 2018;142(6):1980- 3.10.1016/j.jaci.2018.07.027

Zissler UM, Jakwerth CA, Guerth FM, Pechtold L, Aguilar-Pimentel JA, Dietz K, Suttner K, Piontek G, Haller B, Hajdu Z, Schiemann M, Schmidt-Weber CB, Chaker AM. Early IL- 10 producing B-cells and coinciding Th/Tr17 shifts during three year grass-pollen AIT. *EBioMedicine*. 2018;36:475-88.10.1016/j.ebiom.2018.09.016

Zissler UM, Chaker AM, Effner R, Ulrich M, Guerth F, Piontek G, Dietz K, Regn M, Knapp B, Theis FJ, Heine H, Suttner K, Schmidt-Weber CB. Interleukin-4 and interferon- gamma orchestrate an epithelial polarization in the airways. *Mucosal Immunol*. 2016;9(4):917-26.10.1038/mi.2015.110