

Curriculum Vitae - Dr. Kerstin Bellaire-Siegmund



Personal information

Date of Birth April 28th, 1977
Place of Birth Frankfurt am Main (Germany)
Nationality German
Marital status married, one child
Business Address: Division of Translational Cell Genetics
 Department for Medical Genetics,
 Innsbruck Medical University
 Peter -Mayr -Str. 1a A-6020 Innsbruck, Austria
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Main area of research

- T cell immunology with focus on homeostasis and immune regulation
- Cellular and molecular mechanisms of immunological tolerance
- Signaling, differentiation and migration of T cell subsets

Education

04/2002 - 09/2005 **Dr. rer. nat. in Immunology,**
 Humboldt-University Berlin (Germany)
 Topic: „*Migration und suppressive capacity of regulatory T cell subsets.*“

10/1996 - 12/2001 **Diploma in “Humanbiologie”** (Biomedical Sciences),
 Philipps-University Marburg (Germany)
 Thesis: „*Identification of the targeting signal of the sulfhydryl oxidases*
 Erv1p und Erv2p in yeast.“

Positions held and research experience

Since 11/2012	Postdoctoral scientist, Medical University Innsbruck , Austria, Division of Translational Cell Genetics (Univ.-Prof. Dr. G. Baier) since 02/2014 Lise Meitner position (funded by the FWF) 06/2015 – 06/2016 Maternal leave 01/2016 – 06/2016 Marginal employment (2.5h / week)
08/2011 – 09/2012	Postdoctoral scientist, University of Calgary , Canada Snyder Institute for Chronic Diseases (P. Kubes, PhD)
06/2009 – 06/2011	Postdoctoral scientist, University of Basel , Switzerland Biocenter (Univ.-Prof. Dr. J. Pieters) 10/2010 - 12/2010 visiting scientist (collaboration), University of Calgary, Canada, Snyder Institute for Chronic Diseases (P. Kubes, PhD)
12/2008 - 04/2009	Scientist, 4-Antibody AG , Basel, Switzerland
10/2005 - 11/2008	Postdoctoral scientist, Swiss Institute of Allergy & Asthma Research , Davos, Switzerland, Department of Molecular Immunology (Dr. C. Schmidt-Weber)
04/2002 - 09/2005	PhD student, Charité / Humboldt University Berlin , Germany Department of Experimental Rheumatology (Univ.-Prof. Dr. A. Hamann)
05/2000 – 07/2000	Internship (Cell biology), Yale University , USA (I. Mellman, PhD)
02/1997 - 04/1997 07/1996 - 08/1996	Working student, Hoechst AG , Germany Department of metabolic processes

Teaching Activity

since 2014	Lectures as part of the “ Basic course for animal experimentation ”, Modules “Killing and Sampling” and “Application of substances”
since 2016	Lectures as part of the “ Basic course for animal experimentation ”, Modules “Genetics and Breedings” and “Genetically modified mice”

Third party funding, Scholarships and Awards (selection)

2014 - 2015	Lise Meitner Position, FWF (M 1636-B23): 154 540 Euros
2013 – 2015	MUI-Start project (2013042002): 29 999 Euros
2010	EMBO short-term fellowship: 4 858 Euros
2006 - 2008	Marie Curie Fellowship of the European Commission (CD8-TREAT): 173 831 Euro

Publications in peer reviewed journals (only first and corresponding author publications shown)

Siegmund K, Wachowicz K., Thuille N, Hermann-Kleiter N and Baier G (2017). Protein kinase C theta is dispensable for suppression mediated by CD25⁺CD4⁺ regulatory T cells *PLoS One*, May 22;12(5):e0175463.

DOI: 10.1371/journal.pone.0175463

Siegmund K, Klepsch V, Hermann-Kleiter N and Baier G (2016). Proof of Principle for a T Lymphocyte Intrinsic Function of Coronin 1A. *J Biol Chem*, Oct 14; 291(42): 22086-22092.

DOI: 10.1074/jbc.M116.748012

Siegmund K.[#], Thuille N[#], Posch N., Fresser F. and Baier (2015). Novel Protein kinase C θ :Coronin 1A complex in T lymphocytes. *Cell Communication and Signaling*, 2015 Mar 31; 13:22.

DOI: 10.1186/s12964-015-0100-3.

Siegmund K., Lee W.Y., Tchang V.S., Stiess M., Terracciano L., Kubes P., Pieters J. (2013). Coronin 1 is dispensable for leukocyte recruitment and liver injury in concanavalin A-induced hepatitis. *Immunol Lett*, 153(1-2):62-70

DOI: 10.1016/j.imlet.2013.06.005

Westritschnig K, Bosedasgupta S, Tchang V.S., **Siegmund K.**^{*} and Pieters J.^{*} (2013) Antigen processing and presentation by dendritic cells is independent of coronin 1. *Mol Immunol*, 53(4):379-386

^{*} Corresponding authors

DOI: 10.1016/j.molimm.2012.09.002.

Siegmund K., Zeis T., Kunz G., Rolink T., Schaeren-Wiemers N. and Pieters J. (2011). Coronin 1-mediated naïve T cell survival is essential for the development of autoimmune encephalomyelitis. *J Immunol*, 186(6):3452-3461

DOI: 10.4049/jimmunol.1003491

Siegmund K., Rückert B., Ouaked N., Bürgler S., Cezmi A., Akdis C.A. and Schmidt-Weber C.B. (2009). Unique phenotype of human tonsillar and *in vitro* induced FOXP3⁺CD8⁺ T cells. *J Immunol*, 182(4):2124-2130

DOI: 10.4049/jimmunol.0802271.

Siegmund K.[#], Feuerer M.[#], Siewert C., Ghani S., Haubold U., Dankof A., Krenn V., Schön M.P., Scheffold A., Lowe J., Hamann A., Syrbe U. and Huehn J. (2005). Migration matters: regulatory T cell compartmentalization determines suppressive activity *in vivo*. *Blood*, 106(9):3097-104

DOI:10.1182/blood-2005-05-1864

Huehn J.[#], **Siegmund K.**[#], Lehmann J., Siewert C., Haubold U., Feuerer M., Debes G., Lauber J., Frey O., Przybylski G.K., Niesner U., de la Rosa M., Schmidt C.A., Bräuer R., Buer J., Scheffold A. and Hamann A. (2004). Developmental stage, phenotype and migration distinguish naive- and effector/memory-like CD4⁺ regulatory T cells. *J Exp Med*, 199:303-13

[#]equal contribution

DOI: 10.1084/jem.20031562