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Working Group Leader

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Academia

1984 - 1991 Studies of biology, University of Münster, Diploma 1991
1995 Doctorate (Dr. rer. nat.), University of Münster
2009 Habilitation (Immunology), University of Mainz

Career

1991 - 1995 Dissertation, Institute for Immunology, University of Münster
1995 - 1996 Postdoc, Institute for Immunology, University of Münster
1996 - 2000 Postdoc, Max Delbrück Center for Molecular Medicine, Berlin
2001 - 2003 Postdoc, Society for Biotechnological Research (GBF)
2004 - 2009 Scientist, Department of Dermatology, University of Mainz
since 2009 Working group leader, Department of Dermatology, University of Mainz

Fellowships

1992 - 1995 Graduate Scholarship of the Konrad-Adenauer-Stiftung, Bonn
1996 Scholarship of the Association of Clinical Pharmacology Berlin/Brandenburg

Memberships

since 1995 German Society for Immunology
since 2004 Working Group Dermatological Research (ADF)
since 2009 FZI, Mainz

Selected Publications

Luther N, Shahneh F, Brähler M, Krebs F, Jäckel S, Subramaniam S, Stanger C, Schönfelder T, Kleis-Fischer B, Reinhardt C, Probst HC, Wenzel P, Schäfer K, **Becker C**. Innate Effector-Memory T-Cell Activation Regulates Post-Thrombotic Vein Wall Inflammation and Thrombus Resolution. *Circ Res*. 2016 Dec 9;119(12):1286-1295.

Bacher N, Raker V, Hofmann C, Graulich E, Schwenk M, Baumgrass R, Bopp T, Zechner U, Merten L, **Becker C***, Steinbrink K*. Interferon- α Suppresses cAMP to Disarm Human Regulatory T Cells. *Cancer Res*. 2013 Sep 15;73(18):5647-56. doi: 10.1158/0008-5472.CAN-12-3788. Epub 2013 Jul 22. *shared senior authors

Kossmann S, Schwenk M, Hausding M, Karbach SH, Schmidgen MI, Brandt M, Knorr M, Hu H, Kröller-Schön S, Schönfelder T, Grabbe S, Oelze M, Daiber A, Münzel T, **Becker C***, Wenzel P*. Angiotensin II-Induced Vascular Dysfunction Depends on Interferon- γ -Driven Immune Cell Recruitment and Mutual Activation of Monocytes and NK-Cells. *Arterioscler Thromb Vasc Biol*. 2013 Jun;33(6):1313-9. doi: 10.1161/ATVBAHA.113.301437 *shared senior authors

Klein M, Vaeth M, Scheel T, Grabbe S, Baumgrass R, Berberich-Siebelt F, Bopp T, Schmitt E, **Becker C**. Repression of cyclic adenosine monophosphate upregulation disarms and expands human regulatory T cells. *J Immunol*. 2012 Feb 1;188(3):1091-1097

Martin H, Reuter S, Dehzad N, Heinz A, Bellinghausen I, Saloga J, Haasler I, Korn S, Jonuleit H, Buhl R, **Becker C***, Taube C*. CD4-mediated regulatory T-cell activation inhibits the development of disease in a humanized mouse model of allergic airway disease. *J Allergy Clin Immunol*. 2012 Feb;129(2):521-528 *shared senior authors

Becker C, Taube C, Bopp T, **Becker C**, Michel K, Kubach J, Reuter S, Dehzad N, Neurath MF, Reifenberg K, Schneider FJ, Schmitt E, Jonuleit H. Protection from graft-versus-host disease by HIV-1 envelope protein gp120-mediated activation of human CD4+CD25+ regulatory T cells. *Blood*. 2009 Aug 6;114(6):1263-9.

Becker C, Pohla H, Frankenberger B, Schüler T, Assenmacher M, Schendel DJ, Blankenstein T. Adoptive tumor therapy with T lymphocytes enriched through an IFN-gamma capture assay. *Nat Med*. 2001 Oct;7(10):1159-62