

Born: 06.09.1969 in Homburg/Saar, Germany
Address: Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)
Universitätsklinikum Erlangen
Department of Internal Medicine 1
Kussmaul Campus of Medical Research
Hartmannstrasse 14, 91052 Erlangen
Current position W3 Professor for Molecular Gastroenterology

SCIENTIFIC TRAINING

2006 Habilitation in the Faculty of Medicine, (venia legendi) in Immunology
2001 Doctorate (Dr. rer. nat), Johannes Gutenberg University, Mainz
1991-1996 Study of Biology, Johannes Gutenberg University, Mainz and at the
Karolinska Institute, Stockholm, Sweden

PROFESSIONAL CAREER

Since 2020 University Professor (W3) for Molecular Gastroenterology, FAU,
Universitätsklinikum Erlangen, Department of Medicine 1
Since 2018 Spokesperson of the Collaborative Research Center "Immune-
Epithelial Communication in Inflammatory Bowel Diseases" (TRR241)
Since 2017 Head of the managing board of Life@FAU, the interdisciplinary FAU
Graduate School of Life Science
2011-2018 Coordinator, Clinical Research Unit "Molecular Pathogenesis and Opti-
mized Therapy of Inflammatory Bowel Disease" (KFO 257)
2010-2020 University Professor (W2) for Molecular Gastroenterology, FAU,
Universitätsklinikum Erlangen, Department of Medicine 1
Since 2009 Head of Research, Department of Medicine 1, Universitätsklinikum
Erlangen
2007-2009 Research group leader, Institute of Molecular Medicine, Johannes
Gutenberg University Mainz
2005-2007 Research group leader, Department of Medicine 1, Johannes
Gutenberg University Mainz
2004-2009 Coordinator of the MD/ PhD-program „Antigen-specific
Immunotherapy" (GRK 1043), Johannes Gutenberg University Mainz
2001-2005 PostDoc and project leader, Department of Medicine 1, Johannes
Gutenberg University Mainz

AWARDS AND HONORS

2011 Pro Scientia Award
2010 Call, W3 Professorship in Immunology, University of Hohenheim
2008 Warren Jones Fellowship Award, University of Western Australia,
Perth, Australia
2007: Boehringer Ingelheim Award
1999-2002 Fellowship, Research Training Group (DFG) "Molecular and Cellular
Mechanisms of Pathogenesis"

10 KEY PUBLICATIONS

1. Patankar J.V., F. Mascia, S. Kantham, M. Mahapatro, C. Heichler, K. Scheibe, M.J. Mathew, L. Schödel, B. Ruder, M. Gonzalez Acera, W. Li, Y. Yu, M. Leppkes, M.F. Neurath, S. Wirtz, C. Neufert, R. Atreya, R.N. Young, **C. Becker**. E-type prostanoid receptor 4 promotes resolution of colitis by blocking intestinal epithelial necroptosis. **Nature Cell Biol.** 2021. 23(7):796-807.
2. Günther C., B. Ruder, I. Stolzer, H. Dorner, G.W. He, M.T. Chiriac, K. Aden, A. Strigli, M. Bittel, S. Zeissig, P. Rosenstiel, R. Atreya, M.F. Neurath, S. Wirtz, **C. Becker**. Interferon lambda Promotes Paneth Cell Death via STAT1 Signaling in Mice and is Increased in Inflamed Ileal Tissues of Patients with Crohn's Disease. **Gastroenterology.** 2019. 157(5):1310-1322
3. He G.-W., Günther C., Thonn V., Yu Y.-Q., Martini E., Buchen B., Neurath M.F., Stürzl M., **Becker C.** Regression of apoptosis-resistant colorectal tumors by induction of necroptosis in mice. **J Exp Med.** 2017. 214(6):1655-1662.
4. Günther C, Buchen B, He G, Hornef M, Torow N, Neumann H, Wittkopf N, Martini E, Basic M, Bleich A, Watson AJ, Neurath MF, **Becker C.** Caspase-8 controls the gut response to microbial challenges by TNFalpha -dependent and -independent pathways. **Gut.** 2015. 64(4):601-610.
5. Takahashi N, Vereecke L, Bertrand MJM, Duprez L, Berger SB, Divert T, Goncalves A, Sze M, Gilbert B, Kourula S, Goossens V, Lefevre S, Günther C, **Becker C**, Bertin J, Gough PJ, Declercq W, van Loo G, Vandenabeele P. RIPK1 is a guardian of intestinal homeostasis protecting the epithelium against apoptosis. **Nature.** 2014. 513(7516):95-9.
6. Wittkopf N, Günther C, Martini E, He G, Amann K, He YW, Schuchmann M, Neurath MF, **Becker C.** Cellular FLICE-Like Inhibitory Protein Secures Intestinal Epithelial Cell Survival and Immune Homeostasis by Regulating Caspase-8. **Gastroenterology.** 2013. 145:1369-1379.
7. Günther C, Martini E, Wittkopf N, Amann K, Weigmann B, Neumann H, Waldner MJ, Hedrick SM, Tenzer S, Neurath MF, **Becker C.** Caspase-8 regulates TNF-alpha-induced epithelial necroptosis and terminal ileitis. **Nature.** 477:335-339.
8. Pickert G, Neufert C, Leppkes M, Zheng Y, Wittkopf N, Warntjen M, Lehr HA, Hirth S, Weigmann B, Wirtz S, Ouyang W, Neurath MF, **Becker C.** STAT3 links IL-22 signalling in intestinal epithelial cells to mucosal wound healing. **J Exp Med.** 2009. 206: 1465-1472.
9. Nenci A*, **Becker C***, Wullaert A, Gareus R, van Loo G, Danese S, Huth M, Nikolaev A, Neufert C, Madison B, Gumucio D, Neurath MF, Pasparakis M. Epithelial NEMO links innate immunity to chronic intestinal inflammation. **Nature.** 2007. 446:557-561. *shared first-authorship
10. **Becker C**, Fantini MC, Schramm C, Lehr HA, Wirtz S, Nikolaev A, Burg J, Strand S, Ito H, Nishimoto N, Yoshizaki K, Kishimoto T, Galle PR, Blessing M, Rose-John S, Neurath MF. TGF-beta suppresses tumor progression in colon cancer by inhibition of IL-6 trans-signaling. **Immunity.** 2004. 21(4):491-501.