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Scientific Career

Since 2002 Group Leader "Signal Transduction Pharmacology", Institute for Pharmacology and Toxicology, RWTH Aachen University
1995 - 2001 Research Assistant (C1, C2), Institute of Pharmacology and Toxicology, RWTH Aachen University
1992 – 1995 Postdoctoral Researcher, Institute of Pharmacology and Toxicology, RWTH Aachen University

University Education and Degrees

2002 apl. Professor appointment, Medical Faculty, RWTH Aachen
1997 Habilitation and *venia legendi* (Qualification as University Lecturer)
 in Pharmacology and Toxicology, Medical Faculty, RWTH Aachen University
 (Mentor: Prof. Dr. Dr. Hans-Georg Joost)
1992 PhD in Biology (Botany), University of Kiel (Mentor: Prof. Dr. Klaus Apel)
1988 Diploma in Biology, University of Kiel

Honors

1988-1990 PhD Scholarship of the Land Schleswig-Holstein for the advancement
 of young scientists

Selected publications

Soppa U, Schumacher J, Florencio Ortiz V, Pasqualon T, Tejedor FJ, Becker W. **The Down syndrome-related protein kinase DYRK1A phosphorylates p27^{Kip1} and Cyclin D1 and induces cell cycle exit and neuronal differentiation.** *Cell Cycle* 13:2084-100 (2014)
Walte A, Rübén K, Birner-Gruenberger R, Preisinger C, Bamberg-Lemper S, Hilz N, Bracher F, Becker W. **Mechanism of dual specificity kinase activity of DYRK1A.** *FEBS J* 280:4495-511 (2013)
Becker W, Soppa S, Tejedor FJ. **DYRK1A: a potential drug target for multiple Down syndrome neuropathologies.** *CNS Neurol Disord Drug Targets* 13:26-33 (2013)

Becker W. **Emerging role of DYRK family protein kinases as regulators of protein stability in cell cycle control.** *Cell Cycle* 11: 3389-3394 (2012)

Becker W, Sippl W. **Activation, regulation and inhibition of DYRK1A.** *FEBS J* 278:246–256 (2011)

Himpel S, Tegge W, Leder S, Joost HG, Becker W. **Specificity determinants of substrate recognition by the protein kinase DYRK1A.** *J Biol Chem* 275:2431-2438 (2000)

Becker W, Weber Y, Wetzel K, Eirnbter K, Tejedor FJ, Joost HG. **Sequence characteristics, subcellular localization, and substrate specificity of DYRK-related kinases, a novel family of dual specificity protein kinases.** *J Biol Chem* 273:25893-25902 (1998)