

General Information

Name: Prof. Dr. med. Peter Gierschik
Date of Birth: 22.06.1956
Gender: Male
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Current Position: Medical Director, Institute of Pharmacology and Toxicology
Children: 1

Academic Education

1976-1982 Medicine, Ludwig-Maximilians-Universität, Munich
1975-1976 Pharmacy, Ludwig-Maximilians-Universität, Munich

Academic Degrees

1993 Full Professor of Pharmacology and Toxicology
1990 Post-doctoral thesis (*Habilitation*)
1982 Doctoral Thesis (*Promotion*), Children´s Hospital, Ludwig-Maximilians-Universität, Munich

Professional Experience

Since 1993 Full Professor (C4) of Pharmacology and Toxicology, Head, Institute of Pharmacology and Toxicology, Ulm University Medical Center
1992-1993 Head, Molecular Pharmacology Division, German Cancer Research Center (DKFZ), Heidelberg
1990-1992 Assistant Professor of Pharmacology and Toxicology, Department of Pharmacology, University of Heidelberg
1985-1990 Research Associate, Department of Pharmacology, University of Heidelberg
1983-1985 Postdoctoral Fellow, Section of Molecular Pathophysiology, Metabolic Diseases Branch, NIADDK, National Institutes of Health, Bethesda, MD, USA

Miscellaneous

Awards, Honors, Positions:

2015 Student Council Teaching Award, Clinical Medicine, Ulm University
Since 2014 Associate Dean, Medical Faculty, Ulm University
Since 2012 Member, Executive Board, Collaborative Research Center (SFB) 1074 " Experimental Models and Clinical Translation in Leukemia"
Since 2011 Member, Ethics Committee, Ulm University
Since 2011 Member, Editorial Board, Frontiers in Molecular and Cellular Oncology
Since 2010 Coopted Member, Faculty of Natural Sciences, Ulm University
Since 2010 Member, Advisory Committee of the German University in Cairo (GUC) at Ulm University

Since 2009	Member, Academic Committee of the Bachelor and Master Courses of Molecular Medicine, Ulm University
Since 2009	Vice Chairman, Ph.D. Committee, International Graduate School in Molecular Medicine Ulm, funded by the Excellence Initiative of the German Federal and State Governments
Since 2008	Member, Editorial and Advisory Board, Molecular and Cellular Pharmacology
Since 2007	Member, Supervisory Board, Ulm University
2007-2012	Member, Editorial Board, Journal of Biological Chemistry
2003 and 2006	Offers of a Professorship (C4/W3 m.L.) for Pharmacology and Toxicology, Ludwig-Maximilians-Universität, Germany
2003	Member, Scientific Advisory Committee, Life Sciences Organizational Structure and Development Plan, University of Konstanz
2001-2005	Member, Senate Committee and Grants Committee on Collaborative Research Centers, Deutsche Forschungsgemeinschaft (DFG)
Since 2009	Processing During Cellular Differentiation"
2000-2005 and 2008-2011	Member, Executive Board, SFB 497 "Signals and Signal Signals and Signal Transduction in Cellular Differentiation"
1999-2001	Dean of the Faculty of Medicine, University of Ulm
1999	Chairman, Scientific Advisory Committee, Helmholtz Society Strategic Fonds Project "Cell communication and signal transduction" Helmholtz-Gemeinschaft Deutscher Forschungszentren (HGF)
1999-2008	Vice Spokesperson, SFB 451 "Damage and repair in the cardiovascular system"
1998-2004	Vice Spokesperson, SFB 518 "Inflammation, regeneration, and transformation in the pancreas"
1998-2005	Member, Scientific Committee, European Symposia on Hormones and Cell Regulation
1997-1999	Associate Dean of the Faculty of Medicine, University of Ulm,
1997-2000	Member, Scientific Advisory Board, Research Priority Programme, State of Baden-Württemberg
1997-2004	Member, Scientific Advisory Board, Forschungsinstitut für Molekulare Pharmakologie (FMP) im Forschungsverbund Berlin e.V.
1995-2001	Scientific Coordinator, Priority Programme "GTPases: central regulators of cellular functions", Deutsche Forschungsgemeinschaft (DFG)
1995-1997	Vice Spokesperson, SFB 322 "Lymphohematopoiesis"
1994	Schunk-Research-Award, University of Giessen
1994	Thure-von-Uexküll-Teaching-Award, Ulm University
1993-1998	Scientific Advisor, German-Israeli Foundation for Scientific Research and Development (GIF)
1993	Research Award, SmithKline-Beecham-Stiftung, Göttingen
1993	Offer of a Professorship (C4) for Pharmacology and Toxicology, University of Marburg
1992	Offer of a Professorship (C4) for Medical Biochemistry at Saarland University

Publications

1. Walliser C*, Tron K*, Clauß K, Gutman O, Kobitski AY, Retlich M, Schade A, Röcker C, Henis YI, Nienhaus GU, Gierschik P. Rac-mediated stimulation of phospholipase C- γ_2 amplifies B cell receptor-induced calcium signaling. **J Biol Chem**. 2015;290,17056-72 *shared authorship
2. Wabitsch M, Funcke JB, Lennerz B, Kuhnle-Krahl U, Lahr G, Debatin KM, Vatter P, Gierschik P, Moepps B*, Fischer-Posovszky P*. Biologically inactive leptin and early-onset extreme obesity. **N Engl J Med**. 2015;372,48-54 *shared authorship
3. Zirafi O, Kim KA, Ständker L, Mohr KB, Sauter D, Heigele A, Kluge SF, Wiercinska E, Chudziak D, Richter R, Moepps B, Gierschik P, Vas V, Geiger H, Lamla M, Weil T, Burster T, Zgraja A, Daubeuf F, Frossard N, Hachet-Haas M, Heunisch F, Reichetzedler C, Galzi JL, Pérez-Castells J, Canales-Mayordomo A, Jiménez-Barbero J, Giménez-Gallego G, Schneider M, Shorter J, Telenti A, Hocher B, Forssmann WG, Bonig H, Kirchhoff F, Münch J. Discovery and characterization of an endogenous CXCR4 antagonist. **Cell Rep**. 2015;11,737-47.
4. Koenig C, Fischer-Posovszky P, Rojewski MT, Tews D, Schrezenmeier H, Wabitsch M, Gierschik P, Moepps B. Absence of CC chemokine receptors 2a and 2b from human adipose lineage cells. **Mol Cell Endocrinol**. 2013;369,72-85
5. Pfreimer M, Vatter P, Langer T, Wieland T, Gierschik P, Moepps B. LARG links histamine-H1-receptor-activated G_q to Rho-GTPase-dependent signaling pathways. **Cell Signal**. 2012;24,652-63
6. Gierschik P, Buehler A, Walliser C. Activated PLC γ breaking loose. **Structure** 2012;20,1989-90
7. Gutman O*, Walliser C*, Piechulek T, Gierschik P*, Henis YI*. Differential regulation of phospholipase C- β_2 activity and membrane interaction by G α_q , G $\beta_1\gamma_2$, and Rac2. **J Biol Chem**. 2010;285,3905-15 *shared authorships
8. Everett KL, Buehler A, Bunney TD, Margineanu A, Baxendale RW, Vatter P, Retlich M, Walliser C, Manning HB, Neil MA, Dunsby C, French PM, Gierschik P, Katan M. Membrane environment exerts an important influence on Rac-mediated activation of phospholipase C- γ_2 . **Mol Cell Biol**. 2011;31,1240-51
9. Bunney TD, Opaleye O, Roe SM, Vatter P, Baxendale RW, Walliser C, Everett KL, Josephs MB, Christow C, Rodrigues-Lima F, Gierschik P, Pearl LH, Katan M. (2009) Structural insights into formation of an active signaling complex between Rac and phospholipase C γ_2 . **Mol Cell**. 2009;34, 223-33
10. Walliser C, Retlich M, Harris R, Everett KL, Josephs MB, Vatter P, Esposito D, Driscoll PC, Katan M, Gierschik P, Bunney, TD. Rac regulates its effector phospholipase C γ_2 through interaction with a split pleckstrin homology domain. **J Biol Chem**. 2008;283,30351-62