

Name Dr. phil. nat. Roland Nitschke

Date of birth 05.07.1957

Current position Academic Director, Head of Life Imaging Center (LIC)

Research development of microscope methods and equipment, high resolution microscopy cell signaling and physiology in epithelial cells

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Education **1976-1982** Study of Biology and Biochemistry at the University of Frankfurt
1982-1986 Graduate, diploma and PhD student in the Laboratory of Prof. H. Fasold, Institute of Biochemistry and the Paul-Ehrlich- Institut in Frankfurt (Dipl. biol. and Dr. phil. nat.)

Professional Experience **1986** Postdoc at the MPI of Biophysics, Frankfurt (Group of Prof. R. Greger)
1986-1992 Postdoc at the Institute of Physiology, University of Freiburg (Group of Prof. R. Greger)
1992-1993 Fogarty Research Fellow, National Institute of Health (NIH), Bethesda, MD, (Prof. K. Spring, Laboratory of Kidney and Electrolyte Research)
1993-1994 Visiting fellow at the NHLBI/Laboratory of Kidney and Electrolyte Metabolism, NIH, Bethesda, MD
1994-2000 Group leader, Institute of Physiology II, Albert-Ludwigs-University Freiburg
2001-2007 Head of the Life Imaging Center at the Institute of Biology I, Akademischer Oberrat
2002-2007 Head of the Imaging Core Facility of the Medical Faculty, University Freiburg
Since 2007 Head of the Life Imaging Center (LIC) at the Center for Biological Systems Analysis (ZBSA), the joint Imaging Core Facility of the University Freiburg
2012 Academic Director of Life Imaging Center

Awards **1984-1985** Scholarship of the Hermann-Schlosser-Foundation (DEGUSSA)
1985-1986 Scholarship for junior scientists awarded by the HESSEN state
1992-1993 Fogarty Research Fellowship of the National Institute of Health (NIH), Bethesda
1993-1994 NIH Visiting fellowship

Other scientific activities

1987-present	Member, German Physiological Society
1989-present	Member, German Society of Nephrology
2004-present	Member, European Light microscopy Initiative (ELMI)
2005	Organizer International Imaging-Meeting "From static spots to dynamic proteome visualization and beyond" in Freiburg (First TIM 2005)
2010	Co-Founder of German-Biolmaging, the German Light Microscopy Network
2010-present	German Coordinator for EuroBiolmaging together with Elisa May (Konstanz)
2014	Organizer International Imaging-Meeting Trends in Microscopy (TIM 2014) "Keeping pace with techniques, increasing resolution and data flood" in Freiburg
2017	Co-Founder of German Biolmaging - Gesellschaft für Mikroskopie und Bildanalyse e.V.

Referee

American Journal of Physiology, Biology Open, Cell Calcium Cellular Physiology and Biochemistry, Current Biology, German Research Foundation (DFG), Journal Microscopy, Kidney & Blood Pressure Research, Pflügers Archiv Methods and Applications in Fluorescence, Nephron, Wellcome Trust, Swiss National Science Foundation, UK Medical Research Council

Grants

1994 – 2000	Grant from the German National Science Foundation (Ni 451/1-1, 451/1-2 and 451/1-3): Localisation and control of Ca ²⁺ -signals in epithelial cells
Since 1994 –	Collaboration with Carl Zeiss Microscopy: Development of confocal microscope techniques and equipment
1996 - 1999	Grant from the Albert-Ludwigs-Universität Freiburg: Ca ²⁺ -signaling in podocytes
Since 2001	9 joint grants for confocal microscopes
2001 - 2012	Grant from the DFG in the CRC592 project Z2
2005	Grant from the DFG HiLight Microscopy
2006 - 2010	Grants (3 projects) from the German Federal Ministry of research and Education (BMBF) in "Systemsbiology of the Liver" (HEPATOSYS)
2008 - 2017	Grants (3 projects) in the Cluster of Excellence 294 (BIOSS - Centre of Biological Signalling Studies)
2015 - 2018	Central project Z2 DFG CRC1140 KIDGEM (KidneyDisease – from Genes to Mechanisms)
2016 – 2019	DFG-Core Facility Grant Microscopy and Image Analysis Platform (MIAP-Freiburg)

Publications

102 full publications, 6 book chapters, 3 printed talks and more than 190 abstracts at national and international meetings

Industry**Collaborations**

since 1994	Carl Zeiss Microscopy Jena and Göttingen Confocal and widefield microscopy – Hard- and software
since 2006	ibidi GmbH Munich development of fluid chambers and related equipment
2005 -2008	Nikon GmbH – development of BioStation with perfusion