Andreas Rinne, PhD

WORK EXPERIENCE

2022 – CURRENT Bucharest, Romania

RESEARCH SCIENTIST GRADE III UMFCD BUCHAREST, DEPARTEMENT OF BIOPHYSICS AND CELLULAR BIOTECHNOLOGY

Research activities:
The role of subcellular Ca signals in physiology and pathophysiology, G protein signaling in cancer cells.

Research group of Prof. Dr. Mihaela M. Moisescu

2024 – CURRENT Nuremberg , Germany

GUEST LECTURER CENTER OF PHYSIOLOGY, PATHOPHYSIOLOGY AND BIOPHYSICS (CPPB), PARACELSUS MEDICAL UNIVERSITY (PMU)

Invited lectures in physiology for medical students.

31/10/2013 – 30/10/2019 Bochum, Germany

ASSOCIATE PROFESSOR RUHR UNIVERSITY BOCHUM, DEPARTMENT OF PHYSIOLOGY

Academic ativities:
Junior Professor for Molecular Cardiology
Head of a research group for cellular signaling
Teaching Physiology for medical students (lectures and practical courses)
Conducting Master- and PhD Theses
Member of the review committee and examiner for medical doctoral theses, Medical Faculty
Member of the Early Career Research Board of the Research School Plus, Ruhr University
Examiner in Physiology, first state examination for medical students
Supervisor for Master- and PhD theses (biochemists, biologists)

Research activities:
Physiology and pathophysiology of the cardiovscular system, regulation and of cardiac ion channels, biophysical properties of membrane receptors

31/03/2010 – 30/10/2013 Marburg, Germany

RESEARCH ASSOCIATE PHILIPPS UNIVERSITY MARBURG, DEPARTMENT OF PHARMACOLOGY AND CLINICAL PHARMACY

Research on G proteins and GPCR signaling
FRET microscopy
Receptor Pharmacology
Teaching Pharmacology and Toxicology for pharmacists
Supervision of PhD students

Research Group of Prof. Dr. Moritz Bünemann

31/10/2006 – 30/01/2008 Maywood, IL

RESEARCH ASSOCIATE LOYOLA UNIVERSITY CHICAGO, DEPARTMENT OF PHYSIOLOGY

Research on Ca signals in cells of the cardiovascular system
Confocal microscopy
Ca^{2+} imaging

Molcular biology

Research group of Prof. Dr. Lothar A. Blatter

31/01/2008 – 13/03/2010 Chicago, IL, United States

RESEARCH SCIENTIST/PHD INSTRUCTOR RUSH UNIVERSITY CHICAGO, DEPARTMENT OF MOLECULAR BIOPHYSICS AND PHYSIOLOGY

Research on Cardiac Hypertrophy and Heart Failure
Confocal microscopy
Ca^{2+} imaging
Molcular biology

Research group of Prof. Dr. Lothar A. Blatter

EDUCATION AND TRAINING

30/09/2002 – 30/03/2006 Bochum, Germany

PHD IN NEUROSCIENCE Ruhr University Bochum, International Graduate School of Neuroscience

RNA interference
Cardiac K+ channels
Patch Clamp Electrophysiolgy
Molecular Biology

Address Universitätsstr. 150, 44780, Bochum, Germany | **Field of study** Biology | **Final grade** PhD in Neuroscience |

Level in EQF EQF level 8 | **Thesis** Gene silencing using adenoviral RNAi vectors in adult cardiac myocytes

30/09/1997 – 15/10/2002 Bochum, Germany

DIPLOMA IN BIOLOGY Ruhr University Bochum, Faculty of Biology and Biotechnology

Cardiac Electrophysiology
K^+ ion channels
Site-directed mutagenesis
Molecular biology

Address Universitätsstr. 150, 44780, Bochum, Germany | **Field of study** Biology |

Final grade Diploma in Biology (Dipl. Biol.) | **Level in EQF** EQF level 7 |

Thesis Inward rectification and desensitization of homotetrameric GIRK4 channels in rat atrial myocytes

LANGUAGE SKILLS

Mother tongue(s): **GERMAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C1	C1	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

DIGITAL SKILLS

Patchmaster | Microcal Origin | GraphPad PRISM | pClamp Suite | Microsoft office(WordExcel Powerpoint Outlook) | NIS-Elements | image j | Live Cell Imaging

ADDITIONAL INFORMATION

HONOURS AND AWARDS

2018
1st prize for the poster presentation "Molecular regulation of the transcription factor NFATc3" – European Working Group on Cardiac and Cellular Electrophysiology (EWGCCE) as senior author

2017
1st prize for the poster presenstation "Voltage is an allosteric modulator of muscarinic receptor function" – German Society for Pharmacology and Toxicology (DGPT) as senior author

2016
1st prize for the poster presentation "Receptor-species dependent desensitization controls IKs as a downstream effector of Gq protein-coupled receptors". – European Working Group on Cardiac and Cellular Electrophysiology (EWGCCE) as senior author

2013
2nd prize for the poster presentation "Voltage sensitivity of muscarinic M1-, M3- and M5 receptors". – German Society for Pharmacology and Toxicology (DGPT) as presenting author

2002
PhD Stipend from 2002 - 2005 – International Graduate School for Neuroscience (IGSN)

RESEARCH GRANTS

2022 – 2024
Optoelectric microfluidic system for tumor cells characterization and separation according to their malignancy grade.

PN-III_P2-2.1-PED-2021-0451 (as team member, project director: Dr. Felix Sima).

31/12/2014 – 30/12/2017
Gq-protein-mediated pathways and hypertrophy of adult cardiac myocytes.

German Society for Cardiac Research (DSHF), Grant No: F15/15 (as project director)

31/12/2012 – 30/12/2015
Molecular mechanisms underlying the activation of muscarinic M1-, M3-, and M5-receptors by the membrane potential.

German Research Foundation (DFG), Grant RI-1908/2-1 (as project director)

2010 – 2013
Mechanisms of Cellular Compartmentation and the Relevance for Disease

German Research Foundation (DFG), SFB 593, TP A13: S*patiotemporal and structural aspects of G protein mediated signal transduction* (as team member, project director: Dr. Moritz Bünemann).

31/12/2007 – 30/12/2009
Modulation of the calcium-sensitive transcription factor NFAT in cardiac myocytes.

American Heart Association (postdoctoral fellowship 0820080Z, as project director)

2006 – 2008
CamKII and IP3-mediated signaling in cardiac myocytes.

National Institutes of Health (NIH), Program Project Grant P01 HL080101 Coordinator: Dr. Donald M. Bers. Work package P2: Ca and Insp receptor signaling in cardiac cells (as team member, project director: Dr. Lothar A. Blatter).

2006 – 2008
E-C coupling and Ca2+-regulation in atrial myocytes

National Institutes of Health (NIH), Program Project Grant R01 HL62231 (as team member, project director: Dr. Lothar A. Blatter).

BIBLIOMETRICS

Scientific Identifiers and Indices

Hirsch-indices: h = 12 (Scopus, 02-2024); h = 16 (Google Scholar, 02-2024)
ORCID ID: 0000-0003-3535-2498
UEFISCDI ID: U-2000-065L-8045

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