

Scientific Vita

Dr. Regine Frank
Research Group Leader
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Miami, USA 11/10/2023

Dr. Regine Frank

Civil Status: not married, no children

Nationality: German

Affiliation:

Larkin University
College of Biomedical Sciences
18301 N. Miami Avenue
Miami FL-33169, USA

Longterm Guest:

Mesoscopic Electrons and Photons Systems Group
DIPC - *Donostia* International Physics Center,
Manuel Lardizabal 4. E20018 *Donostia* /
San Sebastián SPAIN N 43.305822

Recent position in Germany:

Interim Chair for Physical Chemistry of Nanomaterials
University of Kassel, Institute of Chemistry, Kassel, Germany

Research ID:

Dr. Regine Frank, Publons, J-3999-2012,
<https://orcid.org/0000-0003-0120-6230>
[Google Scholar](#)

Positions and Employment:

- 08/23 - ... **Larkin University, Colleges of Biomedical Sciences & Pharmacy**
18301 N. Miami Avenue, Miami
Researcher
- 09/23 - ... **Mesoscopic Electrons and Photons Systems Group**
DIPC - Donostia International Physics Center
Longterm Guest Researcher
- 08/2015 - 10/2023 **Rutgers University, Department of Physics and Astronomy**
Condensed Matter Theory
Researcher
- 10/2020 – 10/2021 **Kassel University, Institute for Chemistry**
Interim Chair, Physical Chemistry of Nanomaterials
Group Leader
- 01/2015 – 05/2015 **Bell Labs – Research, Alcatel-Lucent**, Murray Hill, NJ 07974
Mathematics of Networks & Systems Department
- 10/2014 – 12/2014 **National Institute for Theoretical Physics (NITHeP), Stellenbosch**
Institute for Advanced Studies (STIAS), South Africa
Researcher
- 07/2012 – 08/2015 **Eberhard-Karls Universität Tübingen, Institute for Theoretical**
Physics, Condensed Matter Section,
Assistant Professor (Akad. Rat a. Z. mit Habilitationsmöglichkeit)
Research group leader 'Theoretical Optics & Photonics'
- 07/2011 – 07/2012 **Karlsruhe Institute of Technology (KIT), Institute for Solid State**
Physics
Research associate with Prof. Dr. G. Schön
- 05/2009 – 07/2011 **Karlsruhe Institute of Technology (KIT), Institute for Solid State**
Physics
Research associate with Prof. Dr. K. Busch
- 2010 – 2012 **Karlsruhe School of Optics & Photonics (KSOP)**
Mentor research area, 'Advanced Spectroscopy'
Principal Investigator (PI) excellence initiative 2012 (successful)
- 2006 – 2009 **Rheinische Friedrich-Wilhelms Universität Bonn, Physikalisches**
Institut, Bethe-Zentrum für theoretische Physik
Doctoral researcher
- 2004 – 2006 **Eberhard-Karls University of Tübingen**
Institute for Theoretical Astrophysics Tübingen (TAT), SFB 382
Researcher, with Prof. Dr. Hanns Ruder
- 2004 **University of Applied Sciences, Reutlingen**
Lecturer
- 2000 – 2005 **Eberhard-Karls University of Tübingen,**
Institute for Applied Physics

Group of Prof. Dr. F. Hasselbach

1999 – 2000 **Eberhard-Karls University of Tübingen,
Institute for Theoretical Physics**
Teaching assistant

1996 – 1999 **Max-Planck Institute for Biological Cybernetics, Tübingen**
Research assistant, AG Prof. Dr. H. H. Bühlhoff

Co-Founding and Economic Leadership:

2005 **Principal investigator PI of Color Physics GmbH, Tübingen**
Scientific Managing Director

activity: **Einstein Year 2005** – sustainability and visibility world wide

up to the present leading rank cooperative activity of highly international science and education in public measured in duration of the project, numbers of cooperating and coordinated facilities, numbers of contributing funding agencies, public auditorium, millions of visitors, press volume, sustainability in the sense of science transfer to public education, visualizations of scientific content and expectations, background of Nobel Prize winning subjects (Genzel, Ghez 2020)

[Explanatory and illustrative visualization of special and general relativity](#)

1997 **KDE e.V., <http://www.kde.org/> Co-Founder**

K desktop environment (KDE) is a desktop working platform with a graphical user interface (GUI) released in the form of an open-source package. When KDE was first released, it acquired the name Kool desktop environment, which was then abbreviated as K desktop environment. Kool stands for no meaning at all.

Graduation:

Publication 03/2011 **PhD, Theoretical Physics**, with Prof. Dr. Johann Kroha, Rheinische-
Defense 04/2010 Friedrich-Wilhelms Universität Bonn
PhD Thesis: 'Microscopic Theory of Random Lasing and Light Transport in Amplifying Disordered Media', (**Magna Cum Laude**)
Examiners: Profs. Drs. Dieter Meschede, Moritz Sokolovski, Kurt Busch and Johann Kroha

05/2004 **Diplom, Physics**, Eberhard-Karls Universität Tübingen
Thesis: 'Magnetic field dependent current phase relation of weakly coupled superconductors, so called long Josephson junctions'

Conference Organization:

27. 3. - 1. 4. 2016 EUROPHYSICS CONFERENCE, Les Houches, France
Organizer: R. Frank (Rutgers University & TH Nürnberg)
<http://www.ppnec.org/>
19. 4.- 23. 4. 2015 587. Wilhelm and Else Heraeus Seminar Bad Honnef, "From Photonics to Polaritonics - Non-Equilibrium Transport in Complex Media, Photonic Crystals and Disordered Nano-Structures"
<http://www.ppnec.org>
Organizer: R. Frank (Optics and Photonics, Tübingen)
- 2005 Colloquium occasionally to 65. birthday of Prof. Dr. F. Hasselbach, University of Tübingen
Speakers: Olivier Avenel (Saclay), Wolfgang Schleich (Ulm), Herbert Kräutle (Tübingen), Hanns Ruder (Tübingen)
Organizers: R. Frank (TAT), H. Ruder (TAT)

Scientific Editorial Activities and Peer Review:

- 2023 - 2026 Member of the Editorial Advisory Board, APL Quantum
Editor in Chief: Prof. Dr. Ortwin Hess
- 2022- ... The Czech Science Foundation (GACR)
- 2016 – 2017 [Annalen der Physik, Topical Issue: Quantum Dynamics: Exploring the Extremes](#)
34 accepted (!) manuscripts
Editors: Regine Frank (Rutgers)
Journal Citation Index 2015: 3.443
- 2012 – 2017 [Scientific Reports](#), Nature Publishing Group,
„Electronics, Photonics, Device Physics“, „Mathematical Physics,
Thermodynamics and Nonlinear Dynamics“,
Journal Citation Index according to ISIWEB 2015 5.228

Scientific Reviewing Activities:

Physical Review Letters, Physical Review A, Physical Review B, Nature, Scientific Reports (NPG), Optics Express, Optics Letters, MDPI Applied Sciences, Symmetry, Photonics, Quantum Reports, Applied Optics, Optical Materials Express, ACS Nano, Physical Chemistry Letters, Annalen der Physik, physica status solidi, EPL, EPJ B, Journal of Physics A: Mathematical and Theoretical, JOS A, JOS B, JoVE, a.o.

Family Leave:

07/2021

Languages:

English (business fluent), French (fluent), Latin (Latinum with distinction), Russian (Basic), German (mother tongue)

Scientific Co-Operations:

2023	Prof. Dr. B. A. Van Tiggelen, LPMMC, Grenoble, France
2023	Prof. Dr. Rüdiger H. Ettrich, CEO, Larkin University, Miami, Florida, USA
2023	Prof. Dr. U. Wegeler, Institut für Geowissenschaften Friedrich-Schiller-Universität Jena, Burgweg 11, 07749 Jena
2023	Prof. Dr. Axel Lubk, IFW, Dresden
2023	Prof. Dr. Dario Bericoux, MEPS, Donostia International Physics Center (DIPC), Donostia-San Sebastián, Spain
2023	Prof. Dr. Emanuelle Deleporte, Universite Paris Saclay, ENS, France
2006	Dr. A. Lubatsch, Institute for Interdisciplinary Innovation, Georg-Simon-Ohm University of Applied Sciences, Nürnberg, Germany
2013	Dr. W. Bühner, Didaktiken Natur- und Gesellschaftswissenschaften, Pädagogische Hochschule Zürich
2013 – 2014	Prof. Dr. G. Maret, Soft Matter, University of Konstanz, Germany
2013	Prof. Dr. C. Aegerter, Physik Institut, Disordered and Biological Soft Matter, University of Zürich
2013	Prof. Dr. A. Van Raaij, Technical University of Applied Sciences, Nürnberg
2006	Prof. Dr. Johann Kroha, Physikalisches Institut, Rheinische Friedrich-Wilhelms University of Bonn
2006	Prof. Dr. D. Chigrin, Theory of Complex Materials, Leibniz Institut für interaktive Materialien, Jülich
2005 – 2006	Prof. Dr. Hanns Ruder, Institut für Theoretische Astrophysik, Eberhard-Karls-University of Tübingen
2005 – 2006	Prof Dr. rer. nat Dr. techn. h.c. Dr. Ing. E.h. Thomas Ertl, Institut für Visualisierung und Graphisch Interaktive Systeme, Universität Stuttgart
2005	Prof. Dr. Daniel Weiskopf, VISUS, Institut für Visualisierung und Interaktive Systeme (VIS) der Universität Stuttgart
2005	Dr. T. Müller, Max Planck Institute for Astronomy, Heidelberg
2005	Prof. Dr. U. Kraus, Physics Institute, Hildesheim University
2004 – 2021	Prof. Dr. F. Hasselbach, Institute for Applied Physics, Eberhard- Karls-University of Tübingen