

Curriculum Vitae -Tobias Schaeffter

Personal Details

Name: Prof. Dr. rer. nat. Tobias Schaeffter

Date of Birth: 16. September 1967

Position: Head of Berlin Institute, Physikalisch-Technische Bundesanstalt
Head of Division Medical Physics and Metrological IT
Physikalische Technische Bundesanstalt
Abbestr. 2-12, 10587 Berlin
tobias.schaeffter@ptb.de

Professor in Biomedical Imaging at Technische Universität Berlin,
Einstein Centre Digital Future
tobias.schaeffter@tu-berlin.de

Professor in Imaging Sciences, King's College London
tobias.schaeffter@kcl.ac.uk

Research Areas

- Medical Physics, Biomedical Engineering, Imaging Sciences
- Magnetic Resonance Imaging (MRI), Quantitative MRI, Interventional MRI, Cardiac MRI
- Digital Health, Data Analysis, Machine Learning.

Publications

> 250 journal papers, <https://orcid.org/0000-0003-1310-2631>; h-factor: 50 (Web of Science)
65 (Google Scholar)

> 500 Conference papers and abstracts,

> 50 invited talks

10 book chapters and 1 book,

30 patents.

Professional Career

Since 2019 Head of the Berlin Institute, Physikalisch-Technische Bundesanstalt (PTB)

Since 2019 Professor in Biomedical Imaging, Technische Universität Berlin

Since 2015 Head of Division Medical Physics and Metrological IT, (PTB)

2013 - 2015 Department Head of Biomedical Engineering, King's College London

2010 - 2015 Deputy Head of Division, King's College London

Since 2006 Full Professor in Imaging Sciences (Philip Harris Chair),
King's College London

1996-2006 Principal Scientist, Philips Research Hamburg

University Education

1993 - 1996 PhD, Biology/Chemistry, University of Bremen

1986 - 1993 MEng, Electrical Engineering, TU-Berlin

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Awards - Functions - Editorial Boards

Since 2022	Member of National Academy of Science and Engineering (acatech)
Since 2019	Member of the Berlin-Brandenburg Academy of Sciences (BBAW)
Since 2019	Member of Einstein Centre Digital Future (ECDF)
Since 2015	Editorial Board Biomedical Engineering, De Gruyter
Since 2010	Member of EPSRC Engineering Panel and EPSRC Peer Review College
Since 2010	SCMR Program Board, Program Science Chair, Science Committee
2006	Philips Research Innovation Award - Quantitative MRI
2001	Philips Research Innovation Award - Real-Time MRI
2000	Philips Research Innovation Award - Real-time Reconstruction Hardware
Since 1996	ISMRM member with various functions
1990 – 1993	German National Academic Found. (Studienstiftung des Deutschen Volkes)

Teaching and Supervision

2015-	MRI Module of Master BioEng. – TU-Berlin
2006 -	Supervision of more than 30 PhD students
2010 - 2015	Bachelor program Biomedical Engineering (BEng), King's College London. Module-lead for electrical engineering, electromagnetism, signals and systems.
2007 - 2015	Cardiac MRI Course of Bachelor program Rad. Sciences, King's College London.
2007 - 2015	MRI Module Lead of Master study Medical Physics, King's College London. Teaching and examinations
July 2012	Organizer of the Mayneord Phillips Summer School in imaging and computational modelling, Oxford University.
July 2007	Course at Mayneord Phillips Summer School in PET/MRI, Oxford University
2002 - 2006	Medical imaging module as part of MEng study at TU Hamburg.

Grants last 5 years

2023 - 2028	EU-Digital Europe, TEF-Health, Co-I , 1.2 M€ (Total 50 M€)
2019 - 2022	EU-EMPIR, MedalCare, PI , 600k€ (total 2.0M€)
2018 - 2026	DFG-CRC 1340 - Matrix in Vision Co-I , 450k€ (total 9M€)
2017 - 2024	DFG-RTG 2260 BioQic, Co-I , 350k€ (total 4.497M€)
2016 - 2019	DFG-Project grant, Magnetic Particle Imaging, PI 180k€
2016 - 2019	EU-EMPIR, Perfusion Imaging, PI , 600k€ (total 2.1M€)
2016 - 2020	Wellcome Trust, MR-GAST-VT Co-I , 300k€ (total 2.5 M€)
2014 - 2022	EPSRC Centre for Doctoral Training in Medical Imaging, PI , total 12M€
2013 - 2019	EPSRC/Wellcome Trust, IEH-Program, Co-I , 350k€, (total: 12M€)