

CURRICULUM VITAE

I. Personal Information

Name: Prof. Dr. med. Fabian Bamberg, MPH

Place of Birth: Cremlingen

Date of Birth: 11. February 1979

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Interventional Radiology
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Education:

06/2006 – 06/2008 Harvard University, School of Public Health, Boston, MA, USA

04/2000 – 05/2006 Medical Studies, University of Witten-Herdecke, Witten (Staatsexamen, average grade: very good)

10/1999 – 03/2000 Medical Studies, Hannover Medical School, Hannover

08/1998 – 10/1999 Paramedic Service, Deutsches Rotes Kreuz, Goslar

08/1985 – 07/1998 Freie Waldorfschule, Braunschweig, Hochschulreife

Professional Training and Clinical Appointments:

Since 10/2018 Chair, Department of Diagnostic and Interventional Radiology, University of Freiburg, Germany

04/2016 – 09/2018 Vice Chair, Department of Diagnostic and Interventional Radiology, University Hospital of Tübingen

04/2014 – 04/2016 Associate Chair, Department of Diagnostic and Interventional Radiology, University Hospital of Tübingen

10/2013 – 03/2014 Attending, Magnetic Resonance Imaging, Department of Clinical Radiology, Ludwig-Maximilians University Munich, Campus Großhadern

03/2010 – 03/2014 Director, Scientific Project Management, Department of Clinical Radiology, Ludwig-Maximilians University Munich

04/2009 – 07/2013 Resident in Radiology, Department of Clinical Radiology, Ludwig-Maximilians University Munich, Campus Großhadern

- 03/2008 – 12/2009 Co-Director, Cardiovascular CT Core Lab for Clinical Trials,
Massachusetts General Hospital, Boston, MA USA
- 11/2007 – 12/2009 Instructor in Radiology, Massachusetts General Hospital &
Harvard Medical School, Boston, MA USA
- 06/2006 – 11/2007 Research Fellow, Department of Radiology, Massachusetts General
Hospital & Harvard Medical School, Boston, MA USA

Research Fellowships:

- 06/2006 – 03/2009 Department of Radiology, Massachusetts General Hospital, Cardiac MR
PET CT Program, Boston, MA USA
(Prof. Thomas Brady, Prof. Udo Hoffmann)
- 04/2003 – 03/2004 Research Assistant, Cardiology Division and Department of Radiology,
Massachusetts General Hospital, Boston, MA USA
(Prof. Ik-Kyung Jang, Prof. Thomas Brady)

Academic Appointments, Certifications and Licensure:

- 10/2019 Q2 Qualification, mpMRT Prostata, Deutsche Röntgengesellschaft
- 11/2018 Full Professor in Radiology, Albert-Ludwigs-Universität Freiburg
- 01/2018 Level-2 Qualifikation, Muskuloskelettale Bildgebung, Deutsche Röntgen-
gesellschaft
- 04/2015 Full Professor in Radiology, Faculty of Medicine, University of Tübingen
- 03/2015 European Diploma in Cardiac Radiology, European Society of Radiology
- 07/2014 Postdoctorate Degree: „Klinischer Stellenwert der kardialen
Computertomographie in der Diagnostik bei Patienten mit akutem
Thoraxschmerz“, Authorisation to teach for Radiology, University of
Tübingen
- 04/2014 Radiation Protection Officer, University Hospital of Tübingen
- 10/2013 Radiation Protection Officer, Hospital of the Ludwig-Maximilians
University Munich, Campus Grosshadern
- 07/2013 Board Certification in Radiology (Bayerische Landesärztekammer)
- 06/2011 Postdoctorate Degree: “Diagnostic Value of Contrast-enhanced Cardiac
Computed Tomography for the Management of Patients with Acute and
Stable Chest Pain Syndrome”, Authorisation to teach for experimental
Radiology, Ludwig-Maximilians University Munich
- 08/2008 ECFMG Certification (Educational Commission for Foreign Medical
Graduates)
- 06/2008 Master of Public Health (M.P.H.), Harvard University, Cambridge, MA
USA

02/2007	Dissertation: "Detection of Calcified and Non-Calcified Coronary Artery Plaque by Contrast-enhanced Multidetector Computed Tomography". <i>Supervisors:</i> Prof. Thomas Brady, Prof. Dietrich Grönemeyer, Prof. Udo Hoffmann, Prof. Stephan Achenbach; Universität Witten-Herdecke (Note: "Summa cum laude").
05/2006	Medical License, Germany

Awards and Honors:

05/2016	Eugenie-und-Felix Wachsmann-Preis; Deutsche Röntgengesellschaft
01/2016	Beste Vorträge 2015, Vereinigung Südwestdeutscher Radiologen und Nuklearmediziner (VSRN), Karlsruhe
05/2015	Marie Curie Ring (Röntgenring), Deutsche Röntgengesellschaft
05/2015	Coolidge-Award, General Electrics
01/2015	Alexander R. Margulis Award for Scientific Excellence, Radiology Society of North America, Finalist
05/2013	Young Investigator Award, Deutsche Röntgengesellschaft
10/2011	Rising Star Research Prize, European Society of Cardiovascular Radiology
11/2010	Trainee Research Prize, Radiological Society of North America
12/2009	Trainee Research Prize, Radiological Society of North America
05/2006	Fulbright Stipendium, German-American Fulbright Commission (nicht angenommen)
03/2003 – 03/2004	Research Grant, Daniela und Jürgen Westphal Stiftung, Flensburg
03/2003 – 03/2004	Travel Grant, Peter und Ruth Wirths Stiftung, Zürich, Schweiz

Major Committee Assignments:

06/2021 –	Working Group on Education, Deutsche Röntgengesellschaft [Chair]
01/2019 –	Board, Zentrum für Klinische Studien, Universitätsklinikum Freiburg [Member]
09/2017 –	Director, Lehr- und Lernplattform, Deutsche Röntgengesellschaft
05/2017 –	Board Commission Radiomics und Big Data, Deutsche Röntgengesellschaft [Member]
01/2017 –	Research Committee, Faculty of Medicine, University of Tübingen [Member]
01/2017 –	Habilitation Committee, Faculty of Medicine, University of Tübingen [Member]
10/2015 –	Educational / CME Committee, Society of Cardiovascular Computed Tomography

2015 –	Swiss Science Foundation [Reviewer]
03/2015 –	Subcommittee on Imaging Biomarkers (EIBALL), European Society of Radiology [Member]
10/2014 –	Scientific and Research Committee, European Society of Cardiovascular Radiology [Member]
06/2014 –	European School of Radiology, Cardiovascular [Lecturer]
05/2014 –	Deutsche Röntgengesellschaft, AG für Herz- und Gefäßdiagnostik [Board Member]
05/2013 –	Deutsche Röntgengesellschaft, AG für Methoden und Forschung [Board Member]
04/2014 –	Radiological Society of North America, Scientific Program Committee, Health Policy and Research [Member]
01/2014 –	Publication Committee, German National Cohort [Member]
12/2013 –	Munich Heart Alliance, Deutsches Zentrum für Herzkreislaufforschung [Member]
08/2012 –	European Society of Radiology, Cardiovascular Scientific Subcommittee [Member]
07/2012 –	Leadership Council, European Society of Radiology [Member]
03/2011 –	European Research Council, 'Diagnostic tools, therapies and public health', ERC Starting Grant 4th Call – 2011' [Panel Reviewer]
05/2010 –	Deutsche Forschungsgemeinschaft (DFG) [Panel Reviewer]
07/2010 –	Data Safety and Monitoring Board, Study of Health in Pommerania (SHIP) [Member]
11/2009 – 05/2014	Cluster of Excellence, Ludwig-Maximilians University – Technical University Munich, Munich Center of Advanced Photonics [Member / Principle Investigator]
04/2009 –	Imaging Working Group, Nationale Kohorte [chairman of executive board]
01/2002 – 03/2003	“SOPA”, Student Foreign Aid Organization, Tirana, Albanien [chairman of executive board]

Continuing Medical Education Courses and Clinical / Scientific Workshops:

12/2019	Kick-off Meeting, SPP2711, Freiburg [Chair],
06/2015	Junior Academy, Medical Technologies Radiogenomics, Deutsche Forschungsgesellschaft [Faculty], Greifswald
05/2015 –	NAKO Workshop Imaging, Erlangen (annually, 2-days)
02/2015 –	Introductory Course Herz MRT und Herz CT, Vereinigung Südwestdeutscher Radiologen, Frühjahrskurs 2015 - 2017, Karlsruhe (annually, 1-day)

10/2014	European School of Radiology, Cardiovascular Imaging, Barcelona, Spain (2-days)
10/2014 –	Clinical Imaging Science Lecture Series; Introduction to Imaging Statistics, PhD-Curriculum, University of Tuebingen
10/2013	Doctoral colloquium, Einführung in die Radiologische Statistik, Department of Clinical Radiology, Ludwig-Maximilians University Munich
05/2011 –	Deutscher Röntgenkongress, Q1- Cardiac CT Course, Tipps & Tricks (annually)
11/2009 – 03/2012	Cardio CT Workshop, Ludwig-Maximilians University, Campus Großhadern (2/anno, 3-days)
11/2008	Hands-on Cardiac CT, International Congress of Cardiology, Jeddah, Saudi Arabia.
05/2008	Advanced Cardiac CT Course, Boston, MA, MGH Cardiovascular CT Core Lab
05/2008	Society of Cardiovascular Computed Tomography, Cardiac CT Academy, Boston, MA
12/2005 – 03/2006	Introductory Course on Cardiac CT [faculty member and tutor], University Erlangen (annually, 2-days)
04/2005 – 02/2008	Introductory Course on Cardiac CT, Harvard Medical School, Boston, MA (annually, 2-days)

Congress Organization and Membership in Organizational Committees:

07/2021	Freiburger Radiologische Tage [Chair]
07/2019	Freiburger Radiologische Tage [Chair]
01/2017 –	Advisory Board, Deutscher Röntgenkongress
01/2016 – 01/2017	Advisory Board, Deutscher Röntgenkongress 2017, RÖKO International
01/2015 – 01/2016	Advisory Board, Deutscher Röntgenkongress 2016
2012	Internationales Symposium Mehrschicht CT, Garmisch-Partenkirchen
2012, 2013	International Symposium on BioMedical Applications of X-Ray Phase Contrast Imaging (IMXP)

Professional Societies:

Deutsche Röntgengesellschaft e.V.: Member, AG Herz- und Gefäßdiagnostik, Thoraxdiagnostik, Methoden and Forschung und Hybridbildgebung

Radiology Society of North America

Presenter, Germany Presents, Chicago 2015

Member, Scientific Subcommittee, Health Policy and Research

American Heart Association

Society of Cardiac Computed Tomography (SCCT)

Bayerische Röntgengesellschaft

European Society of Radiology (ESR), European Society of Cardiovascular Radiology (ESCR)

Scientific Reviewer (alphabetically):

Academic Radiology, Acta Radiologica, American Journal of Cardiology, American Journal of Radiology, Arteriosclerosis, Thrombosis, and Vascular Biology, British Medical Journal, Circulation, Clinical Cancer Research, European Journal of Radiology, European Radiology, Fortschritte auf dem Gebiet der Röntgenstrahlen und bildgebenden Verfahren, Heart, International Journal of Clinical Practice, Investigative Radiology, International Journal of Cardiovascular Imaging, Journal of Cardiac Failure, Journal of Computer Assisted Tomography, Journal of the American College of Cardiology, Journal of Magnetic Resonance Imaging, Journal of Thoracic Imaging, Magnetic Resonance in Medicine, Lancet, Radiology, Zeitschrift für Medizinische Physik

Editorial Boards and Guest Editorials:

2019 –	RadClub – der Radiologie (Section Editor)
2018 –	RöFo - Fortschritte auf dem Gebiet der Röntgenstrahlen und der bildgebenden Verfahren (Editorial Board)
2017 –	Der Radiologe (Editorial Board)
2017 –	Journal of Thoracic Imaging (Section Editor, Big Data, Artificial Intelligence, -omics, Quantitative and Multiparametric Imaging)
2014	Der Radiologe: Diabetes mellitus (Special Issue Editor)
2013 –	Journal Cardiovascular Computed Tomography (Associate Editor)
2012	Zeitschrift für Medizinische Physik (Special Issue Editor)
2011	Der Radiologe: Radiologie im Zeitalter der Adipositas (Special Issue Editor)

Further Education in Management, Teaching, and Research:

10/2016 –09/2017	Intensive Seminar Intensivseminar Hospital Management, mibeg-institute Medicine, Cologne / Medical Association Nordrhein and Westfalen-Lippe
11/2015	Basic Course for Clinical Trials (AMG), University of Tübingen
10/2014 - 07/2015	Mindful and appreciative leadership/ Successful leadership by motivation, Center for Academic Development, University of Tübingen (2 days each)
10/2014	Advanced Course, GCP II, Zentrum für Klinische Studien, Universitätsklinikum Tübingen
10/2014	Basic Course for Clinical Trials (MPG), University of Tübingen

09/2014	M3-Certificate, Kompetenzzentrum für Medizindidaktik Baden-Württemberg
04/2011 – 05/2011	American Institute for Radiologic Pathology, American College of Radiology, Washington, DC
10/2010	Prüfarztkurs, Klinische Prüfung, Ludwig-Maximilians University Munich, Campus Großhadern

II. Bibliography

More than 300 Publications.

Original Articles – Selection – 10 Most Relevant Recent 5 Years

1. Bamberg F, Hetterich H, Rospleszcz S, Lorbeer R, Auweter SD, Schlett CL, Schafnitzel A, Bayerl C, Schindler A, Saam T, Müller-Peltzer K, Sommer W, Zitzelsberger T, Machann J, Ingrisch M, Selder S, Rathmann W, Heier M, Linkohr B, Meisinger C, Weber C, Ertl-Wagner B, Massberg S, Reiser MF, Peters A. Subclinical Disease Burden as Assessed by Whole-Body MRI in Subjects With Prediabetes, Subjects With Diabetes, and Normal Control Subjects From the General Population: The KORA-MRI Study. *Diabetes*. 2017 Jan;66(1):158-169
2. Meinel FG, Nance JW Jr, Schoepf UJ, Hoffmann VS, Thierfelder KM, Costello P, Goldhaber SZ, Bamberg F. Predictive Value of Computed Tomography in Acute Pulmonary Embolism: Systematic Review and Meta-analysis. *Am J Med*. 2015 Jul;128(7):747-59.e2.
3. Storz C, Rospleszcz S, Lorbeer R, Hetterich H, Auweter SD, Sommer W, Machann J, Gatidis S, Rathmann W, Heier M, Linkohr B, Meisinger C, Reiser M, Hoffmann U, Peters A, Schlett CL, Bamberg F. Phenotypic Multiorgan Involvement of Subclinical Disease as Quantified by Magnetic Resonance Imaging in Subjects With Prediabetes, Diabetes, and Normal Glucose Tolerance. *Invest Radiol*. 2018 Jun;53(6):357-364.
4. Bamberg F, Kauczor HU, Weckbach S, Schlett CL, Forsting M, Ladd SC, Greiser KH, Weber MA, Schulz-Menger J, Niendorf T, Pischon T, Caspers S, Amunts K, Berger K, Bülow R, Hosten N, Hegenscheid K, Kröncke T, Linseisen J, Günther M, Hirsch JG, Köhn A, Hendel T, Wichmann HE, Schmidt B, Jöckel KH, Hoffmann W, Kaaks R, Reiser MF, Völzke H; German National Cohort MRI Study Investigators. Whole-Body MR Imaging in the German National Cohort: Rationale, Design, and Technical Background. *Radiology*. 2015 Oct;277(1):206-20.
5. Bamberg F, Parhofer KG, Lochner E, Marcus RP, Theisen D, Findeisen HM, Hoffmann U, Schönberg SO, Schlett CL, Reiser MF, Weckbach S. Diabetes mellitus: long-term prognostic value of whole-body MR imaging for the occurrence of cardiac and cerebrovascular events. *Radiology*. 2013 Dec;269(3):730-7.
6. Bamberg F, Sommer WH, Hoffmann V, Achenbach S, Conen D, Nikolaou K, Reiser M, Hoffmann U, Becker CR. Meta-Analysis and Systematic Review of the Long-term Predictive

Value of Assessment of Coronary Atherosclerosis by Contrast- Enhanced Coronary Computed Tomography Angiography. J Am Coll Cardiol. 2011 Jun 14;57(24):2426-36.

7. Storz C, Hetterich H, Lorbeer R, Heber SD, Schafnitzer A, Patscheider H, Auweter S, Zitzelsberger T, Rathmann W, Nikolaou K, Reiser M, Schlett CL, von Knobelsdorff-Brenkenhoff F, Peters A, Schulz-Menger J, Bamberg F. Myocardial tissue characterization by contrast-enhanced cardiac magnetic resonance imaging in subjects with prediabetes, diabetes, and normal controls with preserved ejection fraction from the general population. Eur Heart J Cardiovasc Imaging. 2018 Jun 1;19(6):701-708
8. Bamberg F, Mayrhofer T, Ferencik M, Bittner DO, Hallett TR, Janjua S, Schlett CL, Nagurny JT, Udelson JE, Truong QA, Woodard PK, Hollander JE, Litt H, Hoffmann U. Age- and sex-based resource utilisation and costs in patients with acute chest pain undergoing cardiac CT angiography: pooled evidence from ROMICAT II and ACRIN-PA trials. Eur Radiol. 2018 Feb;28(2):851-860.
9. Habbel C, Hetterich H, Willner M, Herzen J, Steigerwald K, Auweter S, Schüller U, Hausleiter J, Massberg S, Reiser M, Pfeiffer F, Saam T, Bamberg F. Ex Vivo Assessment of Coronary Atherosclerotic Plaque by Grating-Based Phase-Contrast Computed Tomography: Correlation With Optical Coherence Tomography. Invest Radiol. 2017 Apr;52(4):223-231.
10. Schlett CL, Hendel T, Hirsch J, Weckbach S, Caspers S, Schulz-Menger J, Ittermann T, von Knobelsdorff-Brenkenhoff F, Ladd SC, Moebus S, Stroszczyński C, Fischer B, Leitzmann M, Kuhl C, Pessler F, Hartung D, Kemmling Y, Hetterich H, Amunts K, Günther M, Wacker F, Rummeny E, Kauczor HU, Forsting M, Völzke H, Hosten N, Reiser MF, Bamberg F. Quantitative, Organ-Specific Interscanner and Intrascanner Variability for 3 T Whole-Body Magnetic Resonance Imaging in a Multicenter, Multivendor Study. Invest Radiol. 2016 Apr;51(4):255-65.

Freiburg im Breisgau, September 28, 2019