

Curriculum Vitae

Personal Data

Name	Prof. Dr. rer. nat. Bernd Jürgen Pichler
Date of birth	26. Dezember 1969
Place of birth	Pfaffenhofen an der Ilm
Nationality	German
Marital status	Single
Home address	Albrechtring 10, 85298 Scheyern, Deutschland

Work History

since May 2020	Dean of the Faculty of Medicine of the Eberhard Karls University of Tübingen, Germany
Oct. 2011 - Mar. 2014	Deputy Managing Research Director of the Clinical Department of Radiology of the Eberhard Karls University of Tübingen, Germany
since Jan. 2011	Chair of the Department of Preclinical Imaging and Radiopharmacy at the Clinical Department of Radiology of the Eberhard Karls University of Tübingen, Germany
since Oct. 2008	Head of the Radiopharmacy at the Clinical Department of Radiology of the Eberhard Karls University of Tübingen, Germany
since Jan. 2008	Full Professor and Head of the Laboratory for Preclinical Imaging and Imaging Technology of the Werner Siemens-Foundation at the Clinical Department of Radiology of the Eberhard Karls University of Tübingen, Germany
Jan. 2007	Postdoctoral thesis (Habilitation) at the Eberhard Karls University of Tübingen, Germany. Title of the thesis: "Molekulare Bildgebung in der Präklinischen Forschung"
Jan. 2005	Head of the Laboratory for Preclinical Imaging and Imaging Technology; Department of Radiology of the Eberhard Karls University of Tübingen, Germany
Mar. 2003 - Nov. 2004	Assistant Biomedical Research Engineer (Assistant Research Professor), Department of Biomedical Engineering, University of California, Davis, CA, USA
Nov. 2001 - Dec. 2002	Postdoctoral Research Fellow at the Clinic of Nuclear Medicine at the Technische Universität München, Munich, Germany
Aug. 1997 - Oct. 2001	PhD student at the Clinic of Nuclear Medicine at the Technische Universität München, Munich, Germany and the Max-Planck-Institute for Physics, Munich, Germany

Scientific Career

Jun 2008	Cooptation as Professor at the Faculty of Mathematics and Physics of the Eberhard Karls University of Tübingen, Germany
Dec. 2007	Acceptance of the call for the W3-Professorship (Full Professorship) for "Preclinical Imaging and Imaging Technology" at the Eberhard Karls University of Tübingen, Germany
Sep. 2007	Call from the Medical Faculty, Eberhard Karls University of Tübingen, Germany, for the W3-Professorship for "Preclinical Imaging and Imaging Technology"
Jan. 2007	Postdoctoral thesis and aquirement of the "venia legendi" at the Medical Faculty of the Eberhard Karls University of Tübingen, Tübingen, Germany
Oct 2001	PhD Graduation as Dr.rer.nat.: "Entwicklung eines Detektors für die hochauflösende Positronen-Emissions-Tomographie basierend auf Lutetium-Oxyorthosilikat-Szintillatoren, Lawinen-Photodioden-Matrizen, integrierter Elektronik und Doppellagensauslese" (very good)
Aug. 1997 - Oct. 2001	Doctorate studies at the Clinic of Nuclear Medicine (Prof. Dr. med. Markus Schwaiger) at the Technische Universität München, Munich, Germany and the Max-Planck-Institute for Physics, Munich, Germany
Jul. 1997	Diploma of Electrical Engineering, Biomedical Engineering

Nov. 1992 - Jul. 1997 Studies of Electrical Engineering and Information Technology with a focus on biomedical engineering and cybernetics at the Technische Universität München, Munich, Germany

National and International Scientific Awards and Achievements

2021	Georg de Hevesy Medal of the German Society of Nuclear Medicine
since 2019	Elected Member of the Senate Strategic Committee of the Leibniz Association
2018 - 2020	Council Member of the European Society for Molecular Imaging (ESMI)
since 2018	Appointed Member of the board of trustees of the Natural and Medical Sciences Institute, Eberhard Karls University of Tübingen, Germany
since 2017	Elected Member of the German National Academy of Sciences Leopoldina
since 2016	Elected Member of the Faculty Board of the Medical Faculty, Eberhard Karls University of Tübingen, Germany
since 2015	Elected Member of the German Academy of Science and Engineering (Deutsche Akademie der Technikwissenschaften - acatech)
2014 - 2015	President of the Executive Committee of the European Society for Molecular Imaging (ESMI)
2013 - 2014	Vice President of the Executive Committee of the European Society for Molecular Imaging (ESMI)
2013	European Research Council – ERC Advanced Grant on the topic “Multiparametric Tumor Imaging and Beyond: Towards Understanding in vivo Signals - ImageLink” (ImageLink)
since 2012	Member of the Advisory Board of the Werner Siemens-Foundation, Zug, Switzerland
2012 - 2020	Member of the Professional Council (Fachkollegium) “Oncology” and “Medical Technology” of the German Research Foundation (Deutsche Forschungsgemeinschaft, DFG)
2012	EANM Springer Award 2012 – Best basic science paper: Knetsch PA, Petrik M, Griessinger CM, Rangger C, Fani M, Kesenheimer C, von Guggenberg E, Pichler BJ, Virgolini I, Decristoforo C, Haubner R: [(68)Ga]NODAGA-RGD for imaging $\alpha(v)\beta(3)$ integrin expression. Eur J Nucl Med Mol Imaging. 38(7): 1303-12, 2011
2012	Program Chair, World Molecular Imaging Congress, Dublin, Ireland
2011-2020	Chair of the Doctoral Candidate Admissions Board of the Medical Faculty, Eberhard Karls University of Tübingen, Germany
2011 - 2015	Board member of the World Molecular Imaging Society (WMIS)
2011 - 2015	Council Member and Executive Committee Member /Treasurer of the European Society for Molecular Imaging (ESMI)
2011 - 2018	Member of the Scientific Advisory Council of the Helmholtz-Zentrum Dresden-Rossendorf
2010	Highlight paper in Physics in Medicine and Biology: Kolb A, Lorenz E, Judenhofer MS, Renker D, Lankes K, Pichler BJ: Evaluation of Geiger-mode APDs for PET block detector designs. Phys Med Biol. 55(7):1815-1832, 2010
since 2009	Board member of the Preclinical Imaging Task Force of the Center for Molecular Imaging Innovation and Translation (CMIIT), Society of Nuclear Medicine and Molecular Imaging (SNMMI), USA
2009 - 2011	Council Member of the Society for Molecular Imaging (SMI)
2009 - 2011	Board member of the Academy of Molecular Imaging (AMI)
2009	JNM Editors' Choice Awards: Hofmann M, Steinke F, Scheel V, Charpiat G, Farquhar J, Aschoff P, Brady M, Schölkopf B, Pichler BJ: MRI-Based Attenuation Correction for PET/MRI: A Novel Approach Combining Pattern Recognition and Atlas Registration. J Nucl Med. 49(11):1875-1883, 2008

since 2008	Chair of the Task Force "Molecular Imaging in Preclinical Research" of the German Society of Nuclear Medicine
2008 - 2012	Member of the Board of Directors of the Collaborative Research Center 773 (SFB 773)
2008	Member of the International Advisory Board for the Australian National Imaging Facility
2006	2nd best Paper Award, IEEE Medical Imaging Conference, San Diego, CA, USA: Judenhofer MS, Siegel SB, Catana C, Swann BK, Newport DF, Jung WJ, Nutt RE, Cherry SR, Claussen CD, Pichler BJ: APD based PET system for simultaneous small animal PET-MR-Imaging in a 7 Tesla Magnet, 2006 IEEE Nuclear Science Symposium Conference Record, 2006, ppVI
2006	Poster-Award: <i>fortune</i> -colloquium; University Hospital Tübingen, Germany: M.Kneilling, B.J. Pichler, et al: Nicht invasive in vivo Untersuchung der Hypoxie-Induzierten Angiogenese im Verlauf T-Zell vermittelter Immunantworten.
2004	Academic Federation Research Travel Award, UC Davis, CA, USA
1999	Travel Award: IEEE Medical Imaging Conference, Seattle, WA, USA
1998	Young investigator publication award 1998 (received from "Verein zur Förderung der Nuklearmedizin an der Techn. Universität München e.V. ")

Internships

Dec. 2002 - Aug.2003	Concorde Microsystems (now Siemens Preclinical Solutions), Knoxville, TN, USA
Feb. 2001 - Apr. 2001	CTI PET Systems (now Siemens Medical Solutions), Knoxville, TN, USA

Memberships in international and national Societies

since 2017	German National Academy of Sciences Leopoldina (Leopoldina - Nationale Akademie der Wissenschaften)
since 2017	American Association for Cancer Research (AACR)
since 2015	German Academy of Science and Engineering (Deutsche Akademie der Technikwissenschaften - acatech)
since 2011	Deutsche Röntgengesellschaft (DRG)
since 2011	World Molecular Imaging Society (WMIS)
since 2010	European Society of Molecular Imaging (ESMI)
since 2007	Deutsche Gesellschaft für Nuklearmedizin (DGN)
2006 - 2011	Academy of Molecular Imaging (AMI)
2002 - 2011	Society of Molecular Imaging (SMI)
since 2002	Society of Nuclear Medicine (SNM; since 2012 Society of Nuclear Medicine and Molecular Imaging - SNMMI)
since 1999	Institute of Electrical and Electronics Engineers (IEEE)

Reviewer

- Scientific Journal: Nature Medicine
- Scientific Journal: Nature Biotechnology
- Scientific Journal: Proceedings of the National Academy of Sciences
- Scientific Journal: IEEE Transactions on Medical Imaging
- Scientific Journal: IEEE Transactions on Nuclear Science

- Scientific Journal: Journal of Radiology
- Scientific Journal: Radiology
- Scientific Journal: Journal of Nuclear Medicine
- Scientific Journal: Physics in Medicine & Biology
- Scientific Journal: Nuclear Instruments & Methods
- Scientific Journal: European Journal of Nuclear Medicine & Molecular Imaging
- Scientific Journal: Molecular Imaging
- Reviewer: The German Council of Science and Humanities (Wissenschaftsrat)
- Reviewer: European Research Council (ERC)
- Reviewer: German Research Foundation (DFG)
- Reviewer: Tiroler Wissenschaftsfond
- Reviewer: Swiss National Science Foundation
- Reviewer: wellcome trust, England
- Annual Meeting: IEEE Medical Imaging Conference
- Annual Meeting: Deutsche Gesellschaft für Nuklearmedizin
- Annual Meeting: Society of Nuclear Medicine
- Annual Meeting: World Molecular Imaging Congress

Advisor

- Consulting Editor for a scientific journal: Molecular Imaging & Biology
- Siemens Preclinical Solutions, Knoxville, TN, USA
- Lecturer. Northern California PET Imaging Center, Sacramento, USA: PET preceptor course (CME credits) 2004

Patents

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|------|--|
| 2018 | <i>Radiolabeled beta-galactosidase substrate for PET imaging of senescence</i>
Inventors: Cotton, Jonathan; Kühn, Anna; Maurer, Andreas; Pichler, Bernd; Schulze-Osthoff, Klaus; Fuchs, Kerstin; Krüger, Marcel André; Zender, Lars
WO2018153966 A1; DE102017103600 A1 |
| 2016 | <i>Use of quinoxaline derivatives useful in imaging method</i>
Inventors: Bowden, Gregory; Pichler, Bernd; Michelotti, Fillippo; Schmidt-Honndorf, Valerie; Cotton, Jonathan; Kesenheimer, Christian
WO2016034708 A1, DE102014112747 A1 |
| 2015 | <i>Method for the temporal calibration of a switched capacitor array</i>
Inventors: Pichler, Bernd; Stricker-Shaver, Daniel; Kolb, Armin; Parl, Christoph; Ritt, Stefan
WO2015051824 A1, EP3055866 A1 |
| 2015 | <i>Measuring unit for a combined PET-MR system</i>
Inventors: Pichler, Bernd; Kolb, Armin; Wehrl, Hans; Parl, Christoph
WO2015018894 A1, DE102013108497 A1 |
| 2014 | <i>Senecence Tracers</i>
Inventors: Cotton, Jonathan; Pichler, Bernd; Fuchs, Kerstin; Teske, Anna; Krueger, Marcel; Kesenheimer, Christian; Schulze-Osthoff, Klaus; Hildebrand Dominic |

	WO2014032737 A1, US2015168374 A1, US9829481 B2, EP 2890981 A1, EP2890981 B1
2012	<i>Gamma detector based on geigermode avalanche photodiodes</i> Inventors: Bernd Pichler, Armin Kolb, Eckhard Lorenz WO2012152587 A2, WO2012152587 A3, US20140246594 A1, EP2707751 A2, JP2014519025 A
2008	<i>Method for determining a property map of an object, particularly of a living being, based on at least a first image, particularly a magnetic resonance image</i> Inventors: Pichler, Bernd; Hofmann, Matthias; Scholkopf, Bernhard; Steinke, Florian WO2008006451 A1, DE102006033383 A1, EP2041719 A1, EP2041719 B1, US20100049032 A1, US8290568 B2, AT485572 T
2006	<i>Integrated PET-MRI scanner</i> Inventors: Cherry, Simon; Catana, Ciprian; Pichler, Bernd J. WO2006119085 A2, WO2006119085 A3, US20080214927 A1, US7835782 B2
2006	<i>Combined PET/MR imaging system and APD-based PET detector for use in simultaneous PET/MR imaging</i> Inventors: Schmand, Matthias J.; Grazioso, Ron; Nutt, Ronald; Nutt, Robert E.; Zhang, Nan; Corbeil, James Luke; Ladebeck, Ralf; Vester, Markus; Schnur, Gunter; Renz, Wolfgang; Fischer, Hubertus; Pichler, Bernd J. WO2006071922 A3, WO2006071922 A2, US9121893 B2, US2007102641 A1, US10036790 B2, US2015369890 A1, KR20070090974 A, KR100914429 B1, JP2014032204 A, JP2008525161 A, EP1853161 A4, EP1853161 A2, CA2592685 A1, CA2592685 C, AU2005322793 B8, AU2005322793 B2, AU2005322793 A1
Grants	
2024-2033	Werner Siemens-Foundation, Zug, Switzerland Werner Siemens Imaging Center Applicant: Prof. Dr. Bernd Pichler Funds: 18,400,000 €
2023-2027	Ministry of Finance, Ministry of Food, Rural Affairs and Consumer Protection, Ministry of Science, Research and the Arts, Baden-Württemberg and European Regional Development Fund: RegioWin - Regional Competitiveness through Innovation and Sustainability “Biologicals Development Center – Reutlingen/Tübingen Research Campus (BioDevCenter)” (grant agreement no.: RegioInn_2449407) Applicant: Prof. Dr. Bernd Pichler, Prof. Dr. Ulrich Rothbauer Funds: 1,750,000 €
2022-2023	DFG - Collaborative Research Center SFB TRR 240 “Platelets - Molecular, cellular and systemic functions in health and disease - completion funding” (grant agreement no.: INST 93/992-2) Subproject: Z04 “Multiparametric in vivo imaging” Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 105,400 €
2021-2022	BMBF - Zukunftscluster-Initiative (Clusters4Future) - conceptual design phase „TheranosticValley ^{STR} “ (grant agreement no.: 03ZK213A) Applicant: Prof. Dr. Bernd Pichler Funds: 202,683.23 €
2021-2022	IZKF post graduate program of the Eberhard Karls University of Tübingen „Identifikation von Biomarkern zur frühen Ansprechkontrolle von Krebsimmuntherapien mittels hochdimensionaler Einzelzellanalysen und molekularer Bildgebung“ (grant agreement no.: 2021-2) Applicants: Prof. Dr. Bernd Pichler, Claudia Pietura Funds: 8,000 €
2021-2022	Forum Gesundheitsstandort Baden-Württemberg - Ministry of Science, Research and the Arts Baden-Württemberg Health first: Translationale Forschung und Infrastruktur in Tübingen: Immuno-PET Applicants: Prof. Dr. Christian la Fougère, Prof. Dr. Lukas Flatz; Prof. Dr. Bernd Pichler Funds Prof. Pichler: 295,000 € Total funds: 550,000 €

2021-2022	Forum Gesundheitsstandort Baden-Württemberg - Ministry of Science, Research and the Arts Baden-Württemberg Health first: Translationale Forschung und Infrastruktur in Tübingen: Radiopharmacy Infrastructure Applicants: Prof. Dr. Bernd Pichler, Dr. Julia Mannheim Funds: 350,000 €
2020-2025	National Institutes of Health, USA, RFA-EB-19-002 (No.: 1U01EB029826-01) "Development of the Human Dynamic Neurochemical Connectome Scanner" Applicants: Prof. Dr. Bernd Pichler, Ciprian Catana Funds: 247,135 \$
2020-2021	IZKF post graduate program of the Eberhard Karls University of Tübingen "Therapeutische Inhibition des alternativen NF-κB Signalwegs bei der kutanen Delayed-type Hypersensitivity Reaction (DTHR)" (grant agreement no.: 2020-1) Applicants: Prof. Dr. Bernd Pichler, Nannina Most Funds: 8,000 €
2020-2021	IZKF post graduate program of the Eberhard Karls University of Tübingen "Multiparametric Imaging of Acute Ischemic Stroke using in vivo Positron Emission Tomography and Magnetic Resonance Imaging" (grant agreement no.: 2020-1) Applicants: Prof. Dr. Bernd Pichler, Julia Stahl Funds: 8,000 €
2020-2025	Eberhard Karls University of Tübingen / Excellence Strategy of the German federal and state governments. Support of the establishment of an independent junior research group by the platform "Medical Technology" of the Eberhard Karls University of Tübingen Applicant: Prof. Dr. Bernd Pichler Funds: 1,000,000 €
2019-2026	Eberhard Karls University of Tübingen / Excellence Strategy of the German federal and state governments. Financing of a position (100%) for the coordination of the platform "Medical Technology" of the Eberhard Karls University of Tübingen Applicant: Prof. Dr. Bernd Pichler Funds: 450,000 €
2019-2024	EU - IMI2 - call 14 - topic 2: Non-invasive clinical molecular imaging of immune cells "Specific Imaging of Immune Cell Dynamics Using Novel Tracer Strategies - Immune-Image" (grant agreement no.: 831514) Applicants: Albert Windhorst (PhD), Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling (i.a.) Funds: 1,103,496 €
2019-2024	Eberhard Karls University of Tübingen / Ministry of Science, Research and the Arts of the State of Baden-Württemberg Future Concept: Strategic research cooperations in the area of "Immune-Imaging" Applicant: Prof. Dr. Bernd Pichler Funds: 750,000 €
2019-2023	DFG - Collaborative Research Center SFB TRR 156 (2nd funding period) "The skin as a sensor and effector organ orchestrating local and systemic immunity" (grant agreement no.: INST 35/1264-2) Subproject C03: "Impact of noncanonical NF-κB signaling during hapten-induced skin inflammation" Subproject leaders: Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling Subproject funds: 465,100 € Total funds: 13,649,500 €
2019-2025	DFG - Excellence Strategy of the German federal and state governments Clusters of Excellence "Image-Guided and Functionally Instructed Tumor Therapies (iFIT)" (grant agreement no.: EXC 2180) Spokesperson: Prof. Dr. med. Lars Zender, Prof. Dr. Bernd Pichler, Prof. Dr. Hans-Georg Rammensee Total Cluster of Excellence Funds: 47,255,480 €
2019	BMBF - e:Med - Systems Medicine ConISyM - Summer School "Converging Imaging and Systems Medicine" (grant agreement no.: 01ZX1803) Applicants: Prof. Dr. Bernd Pichler, Prof. Dr. Oliver Kohlbacher, Dr. Julia Mannheim

	Funds: 49,913 €
2018-2019	Eberhard Karls University of Tübingen / DFG - Excellence Strategy of the German federal and state governments. Symposium "Collaboration on Imaging Immunotherapy" at the Stanford University, California, USA Applicant: Prof. Dr. Bernd Pichler Funds: 30,000 €
2018-2022	EU Horizon 2020 - MSCA-ITN-2018 "PET Imaging of Alpha-Synuclein Fibril Formation (PET-AlphaSy)" (grant agreement no.: 813528) Applicants: Dr. Matthias Herth; Prof. Dr. Bernd Pichler Subproject funds: 758,365 € Total funds: 4,100,370 €
2018-2021	DFG – Research Unit FOR 2314 (2nd funding period) "Targeting therapeutic windows in essential cellular processes for tumor therapy" Subproject Z02: "Multiparametric Imaging and Molecular Probe Design Platform" (grant agreement no.: PI 771/13-2) Subproject TP01: "Therapeutic Induction and Image Guided Exploitation of Cellular senescence for Cancer Therapy" (grant agreement no.: PI 771/18-2) Applicants (Z02): Prof. Dr. Bernd Pichler, Prof. Dr. Antti Poso Applicants (TP01): Prof. Dr. Bernd Pichler, Prof. Dr. med. Lars Zender Total subproject funds: 489,450 € Total funds: 6,437,860 €
2018-2022	DFG - Collaborative Research Center SFB TRR 240 "Platelets - Molecular, cellular and systemic functions in health and disease" (grant agreement no.: INST 93/992-1) Subproject: Z04 "Multiparametric in vivo imaging" Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 394,100 € Total funds: 14,788,600 €
2018-2021	DFG - Research Grants Program "Trimodal imaging of human brain networks using simultaneous PET/MR/EEG" (grant agreement no.: PI 771/17-1) Applicants: Prof. Dr. Bernd Pichler, PD Dr. Niels Focke, Prof. Dr. med. Christian la Fougère Funds: 135,100 €
2018-2019	EU Horizon 2020 - ERC-POC "Innovative cancer therapy management: First in human senescence imaging (SenPET)" (grant agreement no.: 790668) Applicant: Prof. Dr. Bernd Pichler Funds: 150,000 €
2018-2019	IZKF post graduate program of the Eberhard Karls University of Tübingen "Radiomarkierte Antikörperfragmente zur in vivo Bildgebung der T-Zell-Migration und -Aktivierung" (grant agreement no.: 2018-1) Applicants: Prof. Dr. Bernd Pichler, Bredi Tako Funds: 8,000 €
2018	Eberhard Karls University of Tübingen - quality initiative for teaching Financing of a position (45%) within the framework of the funding line PROFIL on the topic "Integriertes interdisziplinäres Ausbildungs-Curriculum Klinische Bildgebung und Imaging Science" Applicant: Prof. Dr. Bernd Pichler Funds: 29,970 €
2017-2020	Dr. Karl Helmut Eberle-Foundation "Nicht-invasive Visualisierung und Verfolgung spezifischer Zellpopulationen mittels Positronen-Emissions-Tomographie" Applicants: Prof. Dr. Robert Feil, Prof. Dr. Bernd Pichler Subproject funds: 120,000 € Total funds: 300,000 €
2017-2021	EU H2020-MSCA-ITN-2017 "Innovative Training Network towards raising and supporting the next generation of creative and entrepreneurial cross-speciality imaging experts (HYBRID)" (grant agreement no.: 764458)

	Applicants: Dr. Carola Reinhard, Prof. Dr. Bernd Pichler (i.a.) Subproject funds: 249,216 € Total funds: 3,858,940 €
2017-2018	IZKF post graduate program of the Eberhard Karls University of Tübingen “Evaluation of a novel tumor senescence tracer” (grant agreement no.: 2017-2) Applicants: Prof. Dr. Bernd Pichler, Nils Trautwein Funds: 8,000 €
2017-2019	BMBF - e:Med (2nd funding period) “Systems Biology Supports Multiscale Analysis of Imaging, Omics and Clinical Data to Improve Diagnosis and Therapy of HCCs (MultiscaleHCC)” (grant agreement no: 01ZX1301) Coordinator: Prof. Dr. Bernd Pichler Subproject funds: 623,030 € Total funds: 2,874,929 €
2017-2021	DFG - Research Grants Program “Radiolabeled benzoxazinoles - a unique beta-amyloid PET-tracer class allowing the dichotomous detection of parenchymal and vascular beta-amyloid deposits” (grant agreement no: PI 771/14-1) Applicant: Prof. Dr. Bernd Pichler Funds: 449,220 €
2016-2019	Eberhard Karls University of Tübingen / Excellence Strategy of the German federal and state governments. Financing of a position (50%) for support for grant applications of the platform “Medical Technology” of the Eberhard Karls University of Tübingen Applicant: Prof. Dr. Bernd Pichler Funds: 130,430 €
2015-2017	Eberhard Karls University of Tübingen - quality initiative for teaching Financing of a position (25%) within the framework of the funding line PROFIL on the topic “Integriertes interdisziplinäres Ausbildungs-Curriculum Klinische Bildgebung und Imaging Science” Applicant: Prof. Dr. Bernd Pichler Funds: 30,000 €
2016-2017	Eberhard Karls University of Tübingen / DFG - Excellence Strategy of the German federal and state governments. “Multimodale Bildgebung bei Patientinnen mit primärem Mammacarcinom” Applicants: Prof. Dr. Bernd Pichler, Prof. Dr. med. Sara Brucker (i.a.) Subproject funds: 70,000 € Total funds: 186,700 €
2016-2017	IZKF post graduate program of the Eberhard Karls University of Tübingen “Multiparametric Imaging of Acute Ischemic Stroke using in vivo Positron Emission Tomography and Magnetic Resonance Imaging” (grant agreement no.: 2015-1) Applicants: Prof. Dr. Bernd Pichler, Ronja Lerch Funds: 8,000 €
2016-2023	Werner Siemens-Foundation, Zug, Switzerland Werner Siemens Imaging Center Applicant: Prof. Dr. Bernd Pichler Funds: 15,673,646 €
2015-2018	Eberhard Karls University of Tübingen – funding line “Demonstratorprojekt Personalisierte Medizin” Topic: “Connecting Imaging and in vitro Data towards Personalized Medicine” Coordinator: Prof. Dr. Bernd Pichler Subproject funds: 65,800 € Total funds: 385,300 €
2015-2018	DFG – Research Unit FOR 2314 (1st funding period) “Targeting therapeutic windows in essential cellular processes for tumor therapy” Subproject Z02: “Multiparametric and metabolic Imaging” (grant agreement no.: PI 771/13-1) Applicants (Z02): Prof. Dr. Bernd Pichler, Prof. Dr. med. Andreas Beilhack Subproject funds: 256,800 €
2015-2019	DFG - Collaborative Research Center SFB TRR 156 (1st funding period)

	“The skin as a sensor and effector organ orchestrating local and systemic immune responses” (grant agreement no.: INST 35/1264-1) Subproject C03: “Impact of reactive oxygen species and NF-κB signaling during hapten-induced skin inflammation” Subproject leaders: Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling Subproject funds: 510.240 € Total funds: 10,308,564 €
2015-2017	DFG - Clinical Research Unit KFO 274 (2nd funding period) “Platelets - Molecular Mechanisms and Translational Implications” Subproject 6: “Non-invasive molecular and morphological imaging of platelets and platelet targets” (grant agreement no.: PI 771/6-2) Subproject leaders: Prof. Dr. Bernd Pichler, Prof. Dr. Robert Feil, Prof. Dr. Tilman Schäffer Subproject funds: 187,560 € Total funds: 4,823,690 €
2016	DFG - Major Research Instrumentation Program “DNP hyperpolarizer” (grant agreement no.: INST 2388/48-1) Applicant: Prof. Dr. Bernd Pichler Funds: 708,500 €
2014-2015	IZKF post graduate program of the Eberhard Karls University of Tübingen “Theranostische Untersuchungen mittels PSMA spezifischer Antikörper und deren Fragmente im Prostata Tumor Maus Modell” (grant agreement no.: 2014-2) Applicants: Prof. Dr. Bernd Pichler, Niklas Kirchen Funds: 8,000 €
2014-2019	Eberhard Karls University of Tübingen / Excellence Strategy of the German federal and state governments. Financing of a position (55%) for the coordination of the platform “Medical Technology” of the Eberhard Karls University of Tübingen Applicant: Prof. Dr. Bernd Pichler Funds: 234,670 €
2014-2017	BMBF - e:Med (1st funding period) “Systems Biology Supports Multiscale Analysis of Imaging, Omics and Clinical Data to Improve Diagnosis and Therapy of HCCs (MultiscaleHCC)” (grant agreement no.: 01ZX1301) Coordinator: Prof. Dr. Bernd Pichler Subproject funds: 888,919 € Total funds: 3,800,243 €
2014	Eberhard Karls University of Tübingen / Ministry of Science, Research and the Arts of the State of Baden-Württemberg Start-up financing for the research project “Imaging in Inflammation” Applicant: Prof. Dr. Bernd Pichler Funds: 49,700 €
2014	DFG - Major Research Instrumentation Program “7T Kleintier MRT” (grant agreement no.: INST 2388/46-1) Applicant: Prof. Dr. Bernd Pichler Funds: 1,284,000 €
2013-2018	EU FP7-HEALTH-2013-INNOVATION-1 “New Molecular-Functional Imaging Technologies and Therapeutic Strategies for Theranostic of Invasive Aspergillosis (MATHIAS)” (grant agreement no.: 602820) Coordinator: Prof. Dr. Bernd Pichler Subproject funds: 2,250,574 € Total funds: 5,987,541 €
2013-2018	EU FP7-HEALTH-2013-INNOVATION-1 “Multimodal Imaging of rare Synucleinopathies (MultiSyn)” (grant agreement no.: 602646) Applicants: Prof. Dr. med. Thomas Gasser, Prof. Dr. Bernd Pichler (i.a.) Subproject funds: 1,104,916 € Total funds: 4,895,082 €
2013-2017	DFG - Collaborative Research Center SFB 685 (2nd funding period) “Immunotherapy: Molecular Basis and Clinical Application” (grant agreement no.: INST 37/666-2) Subproject B6: “Non-invasive in vivo imaging of the mode and sites of action of tumor-associated antigen-specific T cells”

	Subproject leaders: Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling Subproject funds: 401,520 €
2013-2018	EU FP7-IDEAS-ERC ADVANCED GRANT “Multiparametric Tumor Imaging and Beyond: Towards Understanding in vivo Signals (IMAGELINK)” (grant agreement no.: 323196) Applicant: Prof. Dr. Bernd Pichler Funds: 2,495,000 €
2013- 2015	BMBF - e:Bio “Holistic Multi-Scale Modeling of Targeted Protein Therapeutics Action: Towards Predicting Effective Treatment of Cancer (PREDICT)” (grant agreement no.: 0316186) Subproject: “Radiolabeling and multiparametric imaging of TRAIL fusion proteins” Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 288,608 € Total funds: 3,447,000 €
2013	DFG - Major Research Instrumentation Program “Optische Bildgebungseinheit” (grant agreement no.: INST 2388/41-1) Applicant: Prof. Dr. Bernd Pichler Funds: 206,876 €
2012-2015	DFG - Clinical Research Unit KFO 273 “Therapy of Urinary Incontinence by Cell-based Regeneration of the Sphincter Muscle of the Urethra” Subproject Q1: “Markierung von therapeutischen Zellen mit einer Reporterprobe zur nicht-invasiven Darstellung der Zell-Wanderung und -Akkumulation in vivo” (grant agreement no.: PI 771/8-1) Applicants (Q1): Prof. Dr. Bernd Pichler, Prof. Dr. Claus Claussen, Prof. Dr. Ulrich Kramer Subproject funds: 168,000 €
2012-2013	IZKF post graduate program of the Eberhard Karls University of Tübingen “In vivo Untersuchung der Eignung des neu entwickelten Hypoxie-Tracers [¹⁸F]Fluoro-azomycin-β- deoxyribosid ([¹⁸F]β-FAZDR) im Vergleich zum bereits etablierten Hypoxie-Tracer [¹⁸F]-Fluoromisonidazol ([¹⁸F]FMISO) zur Frühdiagnostik von experimenteller rheumatoider Arthritis (RA) und Möglichkeiten des Einsatz von Hypoxie-Tracern im Monitoring einer Therapie der RA durch Inhibition der Mitogen-aktivierten Protein Kinasen (MAPK)” (grant agreement no.: 2012-2) Applicants: Prof. Dr. Bernd Pichler, Philipp Günthör Funds: 8,000 €
2012-2013	IZKF post graduate program of the Eberhard Karls University of Tübingen “Untersuchung der Wirksamkeit einer Immuntherapie mit unspezifischen Interferon-γ produzierenden T-Helfer Zellen (Th1) im endogenen Pankreastumormodell (RIP1-Tag2) und Aufklärung der Effekte einer Niedrigdosis-Ganzkörperbestrahlung von Mäusen auf die Migrationseigenschaften von Tumorantigen-spezifischen (TAA) Th1 Zellen” (grant agreement no.: 2012-1) Applicants: Prof. Dr. Bernd Pichler, Dominik Krüger Funds: 8,000 €
2012-2015	EU IMI-JU-01-2008 Joint Undertaking “Biomarkers and molecular tumor classification for non-genotoxic carcinogenesis (MARCAR)” (grant agreement no.: 115001) Subproject WP 7: “Imaging Models Transgenic - PET & MRI” Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 226,900 €
2012-2015	EU FP7-PEOPLE-2011-ITN Marie Curie Action “European Training Network for Excellence in Molecular Imaging in Diabetes (BetaTrain)” (grant agreement no.: 289932) Subprojects: “Cross validation of clinical radiotracers in T1D and T2D models” & “Integrated PET/DCE-MRI of functional beta cell mass with Mn++ and 64Cu-labelled Exendin” Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 456,549 € Total funds: 3,981,000 €
2012-2015	Werner Siemens-Foundation, Zug, Switzerland Werner Siemens Imaging Center Applicant: Prof. Dr. Bernd Pichler Funds: 8,000,000 €

2011-2014	DFG - Clinical Research Unit KFO 274 (1st funding period) "Platelets - Molecular Mechanisms and Translational Implications" Subproject 6: "Non-invasive molecular and morphological imaging of platelets and platelet targets" (grant agreement no.: PI 771/6-1) Subproject leaders: Prof. Dr. Bernd Pichler, Prof. Dr. Robert Feil, Prof. Dr. Tilam Schaffer Subproject funds: 265,000 €
2011-2013	BMBF - BioMatVital: BioTransporter "Neuartige multifunktionale, nanopartikulare Formulierung fur kombinierte Diagnose und Therapie maligner Erkrankungen (NanoGuide)" (grant agreement no.: 13N11279) Subproject: "Nicht-invasive PET und MR Bildgebung" Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 119,659 €
2011	IZKF post graduate program of the Eberhard Karls University of Tubingen "In vivo Untersuchung des Einflusses verschiedener Narkose- und Beatmungsprotokolle auf die Tumorphypoxie und die Aufnahme-Charakteristik von Hypoxietracern im CT26 Kolonkarzinom" (grant agreement no.: 2011-1) Applicants: Prof. Dr. Bernd Pichler, Moritz Mahling Funds: 8,000 €
2011	DFG - Major Research Instrumentation Program "MR-System 7T fur Kleintier-Experimente" (grant agreement no.: INST 2388/21-1) Applicant: Prof. Dr. Bernd Pichler Funds: 990,913 €
2010-2012	DFG - Research Grants Program "Evaluierung von Cholin-Derivaten zur Anwendung in der nicht-invasiven Bildgebung beim Prostata-Karzinom" (grant agreement no.: PI 771/4-2) Applicants: Prof. Dr. Bernd Pichler, PD Dr. Gerald Reischl Funds: 211,888 €
2010-2013	DFG - Research Grants Program "MRI-based attenuation correction of PET images in clinical PET/MR" (grant agreement no.: PI 771/5-1) Applicant: Prof. Dr. Bernd Pichler Funds: 383,194 €
2010	IZKF post graduate program of the Eberhard Karls University of Tubingen "Nicht invasive in vivo Untersuchungen der Nf-kB Expression und der Gefaneubildung im Rahmen der Delayed-type Hypersensitivity Reaction" (grant agreement no.: 2010-1) Applicants: Prof. Dr. Bernd Pichler, Johannes Schwenk Funds: 8,000 €
2009-2013	DFG - Collaborative Research Center SFB 685 (1st funding period) "Immunotherapy: Molecular Basis and Clinical Application" (grant agreement no.: INST 37/666-1) Subproject B6: "Non-invasive in vivo imaging of the mode and sites of action of tumor-associated antigen-specific T cells" Subproject leaders: Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling Subproject funds: 354,600 €
2009-2012	DFG - Research Grants Program "PET- und MR-Imaging des Prostatakarzinoms mit Hilfe spezifischer anti-PSMA monoklonaler Antikorper und rekombinanter Antikorperfragmente" (grant agreement no.: PI 771/2-1) Applicants: Prof. Dr. Ursula Elsasser-Beile, Prof. Dr. Bernd Pichler Funds: 151,200 €
2009-2012	DFG - Research Grants Program "Development of novel PET detectors based on Geigermode Avalanche Photodiodes (G-APDs) for Molecular Imaging Applications" (grant agreement no.: PI 771/3-1) Applicant: Prof. Dr. Bernd Pichler Funds: 416,762 €
2009-2010	ICEPHA Twinning Grant (Robert Bosch Foundation & Eberhard Karls University of Tubingen) "PIVOT – PET Imaging for in Vivo Evaluation of Drug Transport" (AZ: Sg140509IZEPHA) Applicants: Prof. Dr. Bernd Pichler, Prof. Dr. Matthias Schwab Funds: 56,000 €
2009-2014	Werner Siemens-Foundation, Zug, Switzerland

	PhD Research Training Group "Preclinical Molecular Imaging" Applicant: Prof. Dr. Bernd Pichler Funds: 1,200,000 €
2008-2011	DFG - Research Grants Program "Development and Validation of a combined PET/MRI Scanner for Biomedical Research" (grant agreement no.: PI 771/1-1) Applicant: Prof. Dr. Bernd Pichler Funds: 729,549 €
2008-2012	BMBF - MoBiMed "Angiogene-Targeting für Diagnose und Therapie – MoBiMed"(grant agreement no.: 01EZ0810) Subproject 4: "Korrelation von Tumorangiogenese und -hypoxie in Kombination mit verschiedenen Tumorthapien in der RIP1-Tag2 und PyV-mT Maus" Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 449,490 € Total funds: 2,897,000 €
2008-2013	DFG - Collaborative Research Center SFB 773 "Understanding and Overcoming Therapy Resistance of Solid Tumours" (grant agreement no.: INST 37/646) Subproject Z1: "Service project Molecular Imaging" Subproject leaders: Dr. Bernd Pichler, Prof. Dr. Claus Claussen, Prof. Dr. Hans-Jürgen Machulla Subproject funds: 638,800 €
2008-2011	BMBF - FORSYS "A systems biology approach towards predictive cancer therapy" (grant agreement no.: 0315280B) Subproject 3: "Non-invasive imaging of morphology, functional parameters and in vivo biodistribution of selective therapeutic agents" Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 254,376 € Total funds: 3,261,000 €
2008-2012	BMBF "Development of Methods, Protocols and Databases to Reduce the Number and to Decrease the Exposure Level of Animals by High Resolution Positron Emission tomography and multimodal imaging" (grant agreement no.: 0314103) Applicant: Prof. Dr. Bernd Pichler Funds: 1,211,138 €
2007-2010	BMBF "Kompetenznetz Demenzen – Neurogeneration" (grant agreement no.: 01 Gi 0705) Subproject: "Aβ and Tau aggregation: Initiation, modulation and imaging" Subproject leaders: Prof. Dr. Matthias Jucker, Dr. Bernd Pichler, Prof. Dr. Philipp Kahle Subproject funds: 107,692 €
2007-2012	Werner Siemens-Foundation, Zug, Switzerland Werner Siemens-Foundation endowed professorship "functional imaging" Applicants: Prof. Dr. Claus Claussen, Dr. Bernd Pichler Funds: 3,162,000 €
2006-2009	DFG - Research Grants Program "Evaluierung von Cholin- und Acetat-Derivaten zur Anwendung in der nicht- invasiven Bildgebung beim Prostata-Karzinom" (grant agreement no.: MA 1096/6-1) Applicants: Prof. Dr. Hans-Jürgen Machulla, Dr. Gerald Reischl, Dr. Bernd Pichler Funds: 140,500 €
2005-2006	fortune-Program of the Eberhard Karls University of Tübingen "None invasive in vivo Study of Angiogenesis in Mouse Models by High Resolution Positron Emission Tomography" Applicant: Dr. Bernd Pichler Funds: 55,000 €
2005-2008	R03 National Institutes of Health, USA (No. 1R03AI059791): "Non-invasive Imaging of T Cell Trafficking" Applicant: Dr. Bernd Pichler Funds: 108,000 \$
2004-2008	R21 National Institutes of Health, USA (No. 1R21EB004483):

		“An integrated PET-MRI-System for Molecular Imaging” Applicant: Dr. Bernd Pichler Funds: 297,000 \$	
2004-2005		Nuclear Magnetic Resonance Award. Of the University of California, Davis, California, USA Funds: 5,000 US\$	
2000		Dr.-Ing.-Leonhard-Lorenz-Foundation of the Technical University of Munich, Munich, Germany Funds: 7,000 DM	
		Peer-reviewed publications in scientific journals	
2023	245.	Isser S, Maurer A, Reischl G, Schaller M, Gonzalez-Menendez I, Quintanilla-Martinez L, Gawaz M, <u>Pichler BJ</u>, Beziere N. Radiolabeled GPVI-Fc for PET imaging of multiple extracellular matrix fibers: A new look into pulmonary fibrosis progression. J Nucl Med. 2023 Jan 26;jnumed.122.264552. doi: 10.2967/jnumed.122.264552. Online ahead of print	5-year Impact 11.082[#]
	244.	Leiss V, Piekorz RP, Vega SC, Jacoby C, Flögel U, Pexa K, Schrader J, <u>Pichler BJ</u>, Beer-Hammer S, Nürnberg B. Data on common carotid artery occlusion inducing focalized stroke lesions after Pertussis toxin injection. Data Brief. 2022 Dec 25;46:108851. doi: 10.1016/j.dib.2022.108851. eCollection 2023 Feb.	0
	243.	Knopf P, Stowbur D, Hoffmann SHL, Fransen MF, Schwenck J, <u>Pichler BJ</u>, Kneilling M. Preclinical Identification Of Tumor-Draining Lymph Nodes Using a Multimodal Non-invasive In vivo Imaging Approach. Mol Imaging Biol. 2023 Jan 4. doi: 10.1007/s11307-022-01797-z. Online ahead of print	3.484 [#]
2022	242.	Becker H, Castaneda-Vega S, Patzwaldt K, Przystal JM, Walter B, Michelotti FC, Canjuga D, Tatagiba M, <u>Pichler B</u>, Beck SC, Holland EC, la Fougère C, Tabatabai G. Multiparametric Longitudinal Profiling of RCAS-tva-Induced PDGFB-Driven Experimental Glioma. Brain Sci. 2022 Oct 24;12(11):1426.doi: 10.3390/brainsci12111426.	3.706 [#]
	241.	Zizmare L, Mehling R, Gonzalez-Menendez I, Lonati C, Quintanilla-Martinez L, <u>Pichler BJ</u>, Kneilling M, Trautwein C. Acute and chronic inflammation alter immunometabolism in a cutaneous delayed-type hypersensitivity reaction (DTHR) mouse model. Commun Biol. 2022 Nov 15;5(1):1250. doi: 10.1038/s42003-022-04179-x.	6.816 [#]
	240.	Trautwein NF, Reischl G, Seitz C, Dittmann H, Seith F, Scheuermann S, Feuchtinger T, Dombrowski F, Handgretinger R, Fuchs J, Pichler B, la Fougère C, Schwenck J. First in human PET/MRI imaging of in vivo GD2 expression in osteosarcoma. J Nucl Med. 2022 Sep 15;jnumed.122.264626. Online ahead of print.	9.837 [#]
	239.	Marciano S, Ionescu TM, Saw RS, Cheong RY, Kirik D, Maurer A, <u>Pichler BJ</u>, Herfert K. Combining CRISPR-Cas9 and brain imaging to study the link from genes to molecules to networks. Proc Natl Acad Sci U S A. 2022 Oct 4;119(40):e2122552119. Epub 2022 Sep 26.	13.451 [#]
	238.	Ionescu TM, Amend M, Watabe T, Hatazawa J, Maurer A, Reischl G, <u>Pichler BJ</u>, Wehrl HF, Herfert K. Neurovascular Uncoupling: Multimodal Imaging Delineates the Acute Effects of 3,4-Methylenedioxymethamphetamine. J Nucl Med. 2022 Sep 29;jnumed.122.264391. Online ahead of print	9.837 [#]
	237.	Schmitt J, Schwenck J, Maurer A, Przybille M, Sonanini D, Reischl G, Wehrmüller JE, Quintanilla-Martinez L, Gillies SD, Krueger MA, Schaefer JF, la Fougère C, Handgretinger R, Pichler BJ. Translational immunoPET imaging using a radiolabeled GD2-specific antibody in neuroblastoma. Theranostics 2022; 12(13):5615-5630. doi:10.7150/thno.56736	12.201 [#]
	236.	Schwenck J, Maurer A, Beziere N, Fiz F, Boschetti F, Geistlich S, Seyfried D, Gunzer M, Reischl G, Wehrmüller J, Ehrlichmann W, Horger M, Gatidis S, Davies G, Vogel W, la Fougere C, <u>Pichler BJ</u>, Thornton C. Antibody-guided Molecular Imaging of Aspergillus Lung Infections in Leukemia Patients. J Nucl Med. 2022 Jul 21;jnumed.121.263251. Online ahead of print.	9.837 [#]

2021	235.	Montes-Mojarro IA, Steinhilber J, Griessinger CM, Rau A, Gersmann AK, Kohlhofer U, Fallier-Becker P, Liang HC, Hofmann U, Haag M, Klapper W, Schaeffeler E, <u>Pichler BJ</u> , Schwab M, Fend F, Bonzheim I, Quintanilla-Martinez L. CD147 a direct target of miR-146a supports energy metabolism and promotes tumor growth in ALK+ ALCL. Leukemia (2022). https://doi.org/10.1038/s41375-022-01617-x , online ahead of print	12.254 [#]
	234.	Griessinger J, Schwab J, Chen Q, Kühn A, Cotton J, Bowden G, Preibsch H, Reischl G, Quintanilla-Martinez L, Mori H, Dang AN, Kohlhofer U, Aina OH, Borowsky AD, <u>Pichler BJ</u> , Cardiff RD, Schmid AM. Intratumoral in vivo staging of breast cancer by multi-tracer PET and advanced analysis. NPJ Breast Cancer . 2022 Mar 24;8(1):41.	7.741 [#]
	233.	Disselhorst JA, Newport DF, Schmid AM, Schmidt FP, Parl C, Liu CC, <u>Pichler BJ</u> , Mannheim JG. NEMA NU 4-2008 performance evaluation and MR compatibility tests of an APD-based small animal PET-insert for simultaneous PET/MR imaging. Phys Med Biol . 2022 Feb 16;67(4).	3.902 [#]
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	229.	Bowden GD, Stotz S, Kinzler J, Geibel C, Lämmerhofer M, <u>Pichler BJ</u> , Maurer A. DoE Optimization Empowers the Automated Preparation of Enantiomerically Pure [¹⁸ F]Talzoparib and its In Vivo Evaluation as a PARP Radiotracer. J Med Chem . 2021 Nov 11;64(21):15690-15701.	7.897
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220.	Henneberg S, Hasenberg A, Maurer A, Neumann F, Bornemann L, Gonzalez-Menendez I, Kraus A, Hasenberg M, Thornton CR, <u>Pichler BJ</u>, Gunzer M, Beziere N. Antibody-guided in vivo imaging of Aspergillus fumigatus lung infections during anti-fungal azole treatment. Nat Commun. 2021 Mar 17;12(1):1707.	17.763
219.	Castaneda-Vega S, Katiyar P, Russo F, Patzwaldt K, Schnabel L, Mathes S, Hempel JM, Kohlhofer U, Gonzalez-Menendez I, Quintanilla-Martinez L, Ziemann U, la Fougere C, Ernemann U, Pichler BJ, Disselhorst JA, Poli S. Machine learning identifies stroke features between species. Theranostics 2021; 11(6):3017-3034.	12.201
218.	Zekri L, Vogt F, Osburg L, Müller S, Kauer J, Manz T, Pflügler M, Maurer A, Heitmann JS, Hagelstein I, Märklin M, Hörner S, Todenhöfer T, Calaminus C, Stenzl A, <u>Pichler B</u>, la Fougère C, Schneider MA, Rammensee HG, Zender L, Sipos B, Salih HR, Jung G. An IgG-based bispecific antibody for improved dual targeting in PSMA-positive cancer. EMBO Mol Med. 2021 Feb 5;13(2):e11902.	14.409
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214.	Thaïss WM, Gatidis S, Sartorius T, Machann J, Peter A, Eigentler TK, Nikolaou K, <u>Pichler BJ</u>, Kneilling M. Noninvasive, longitudinal imaging-based analysis of body adipose tissue and water composition in a melanoma mouse model and in immune checkpoint inhibitor-treated metastatic melanoma patients. Cancer Immunol Immunother. 2021 May;70(5):1263-1275.	6.693
2020	213. Grimm J, Kiessling F, <u>Pichler BJ</u>. Quo Vadis, Molecular Imaging? J Nucl Med. 2020 Oct;61(10):1428-1434.	8.573
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Contribution to books

- 2017 7. Small Animal Imaging; Bascis and Practical Guide. 2nd edition. Edited by Fabian Kiessling, Bernd J. Pichler and Peter Hauff, Springer-Verlag Berlin Heidelberg 2017
- 2012 6. Mannheim JG, Wehrl HF, Judenhofer MS, Pichler BJ: Small Animal PET Cameras – Development, Technology, PET/CT, PET/MRI. **Trends on the Role of PET in Drug Development**. Edited by Philip H. Elsinge, Aren van Waarde, Anne M. J. Paans, Rudi A. J. O. Dierckx, World Scientific, 2012
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- 2008 2. Pichler BJ, Judenhofer MS, Pfannenberger AC: Multimodal Imaging Approaches: PET/CT and PET/MRI. **Handb Exp Pharmacol.** 185(Pt 1):109-32, 2008
- 2004 1. Bernd J. Pichler and Sibylle I. Ziegler: Photodetectors, in “Emission Tomography: The Fundamentals of PET and SPECT”. Edited by Miles N. Wernick and John N. Aarsvold, Academic Press, 2004

List of invited Talks

- 2022 162. Pichler BJ: Ring-Vorlesungsreihe, Gesundheit. Gesellschaft in der Krise, Sinn und Form | Schnittstelle Wissenschaft und Politik | Forschen in der Krise, Medical University Vienna, Center for Medical Physics and Biomedical Engineering, Austria, 3. May 2022
161. Pichler BJ: Novel Biologicals as imaging pipeline for immune cells, Combined EATRIS Plus and EATRIS Cell Tracking WG Symposium, Klinikum rechts der Isar, Munich, Germany, 21. May 2022
- 2021 160. Pichler BJ: Next Generation Imaging Targets, SFB 824 Symposium, TranslaTUM - Center for Translational Cancer Research of the Technical University of Munich, Munich, Germany, June 24, 2021

2020	159.	<u>Pichler BJ</u> : PET-MR and applications in brain studies, 2020 Advanced Imaging Research Center Annual Symposium "Frontiers in Brain Imaging", O'Donnell Brain Institute, UT Southwestern Medical Center, Dallas, Texas, USA, January 30, 2020
	158.	<u>Pichler BJ</u> : Unravelling the Universe of the Immune System by Targeted Molecular Imaging, 2020 EANM 20 WORLD LEADING MEETING Joint Symposium 27 (EANM/ESMI): Radar on Immune Cell Imaging; European Association of Nuclear Medicine (EANM) Vienna, Austria, September 20, 2020
	157.	<u>Pichler BJ</u> : Beyond PET/MR: Multiparametric data Integration in Preclinical and Translational Research, 34th International Austrian Winter Symposium "Radionuclides in Molecular Imaging & Therapy" at Zell am See, Salzburg, Austria, January 24, 2020
2019	156.	<u>Pichler BJ</u> : PET/MR –Perspektiven und neue Entwicklungen in der präklinischen und translationalen Forschung, Opening symposium of the Core Facility PET/MR at Ulm University, Ulm, Germany, October 23, 2019
	155.	<u>Pichler BJ</u> : Engineered solutions to enhance therapy, Cancer Research UK – AACR Joint Conference on Engineering and Physical Sciences in Oncology, London, UK, October 17, 2019
	154.	<u>Pichler BJ</u> : Multiparametric functional and metabolic imaging for early cancer detection and profiling, 9 th Mildred Scheel Cancer Conference, Bonn, Germany, May 15, 2019
	153.	<u>Pichler BJ</u> : Leuchtturm-Sitzung 6: Translationale Bildgebung, 57. Jahrestagung der Deutschen Gesellschaft für Nuklearmedizin (DGN), Bremen, Germany, April 5, 2019
	152.	<u>Pichler BJ</u> : Multimodality Imaging & Machine Learning for Translational Research: Converging PET, MR & Omics, EMIM 2019, Glasgow, UK, March 21, 2019
	151.	<u>Pichler BJ</u> : Multimodal imaging in basic research and clinical translation, 4 th German Pharm-Tox Summit, Stuttgart, Germany, February 26, 2019
2018	150.	<u>Pichler BJ</u> : PET/MRI, Imaging in 2020, Visualizing the future of health care with MR imaging, Jackson Hole, Wyoming, USA, September 23, 2018
	149.	<u>Pichler BJ</u> : Imaging tumour cell senescence for therapy-guidance, WMIC, Seattle, Washington, USA, September 15, 2018
	148.	<u>Pichler BJ</u> : Preclinical imaging in translational medical research, Opening of the Center for Experimental Imaging and Medicine, Cologne, Germany, September 5, 2018
	147.	<u>Pichler BJ</u> : MRI PET, Structure, Function, Molecular Signature: Frontiers in Multimodal Biomedical Imaging (Special Symposium), Zurich, Switzerland, June 25, 2018
	146.	<u>Pichler BJ</u> : Alpha-phase Testing from a Customer Perspective; Molecular Imaging in the Future, WFNMB, Melbourne, Australia, April 21, 2018
	145.	<u>Pichler BJ</u> : Molecular Imaging. 2nd Donau Symposium, Vienna, Austria, March 15, 2018
2017	144.	<u>Pichler BJ</u> : German Imaging Science in European Context, 4th annual e:Med Meeting, Göttingen, Germany, November 22, 2017
	143.	<u>Pichler BJ</u> : Multiparametric Imaging in Preclinical and Translational Research. MD Anderson, Houston, Texas, USA, November 2, 2017
	142.	<u>Pichler BJ</u> : The benefits of Simultaneous Imaging, ISMRM-SNMMI Co-Provided Workshop on PET/MRI, Chicago, Illinois, USA, October 28, 2017
	141.	<u>Pichler BJ</u> : Multiparametric Imaging in Preclinical and Translational Research, Johns Hopkins, Baltimore, Maryland, USA, October 23, 2017
	140.	<u>Pichler BJ</u> : Multimodal Imaging in Preclinical Research and Clinical Translation, Symposium Translational Imaging, Zentrum für Translationale Bildgebung "From Molecule to Man", Ulm, Germany, October 4, 2017
	139.	<u>Pichler BJ</u> : Molekulare Bildgebung – Geräte, Nuklearmedizinisches Symposium "Strahlen, Spins und Menschen" der LMU und TU, Münchner Künstlerhaus, Munich, Germany, September 15, 2017

138. Pichler BJ: Multiparametric Imaging: Beyond Fusion of Anatomy and Function, Clinic of Radiology and Nuclear Medicine, University Hospital of Basel, Basel, Switzerland, September 8, 2017
137. Pichler BJ: Current Multimodal Imaging, International Congress of Parkinson's Disease and Movement Disorders (MDS congress 2017), Vancouver, Canada, June 5, 2017
136. Pichler BJ: Combining multiparametric imaging data with –omics information for precision medicine, 5th Mediterranean Forum on Advanced Molecular Imaging (MEDAMI) 2017, Orosei, Italy May 31, 2017
135. Pichler BJ: Role of Quantitative Preclinical Imaging to Enhance Precision Health and Medicine, 3rd Annual Midwest Preclinical Imaging Consortium (MPIC) 2017, Nashville, Tennessee, USA, May 14, 2017
134. Pichler BJ: PET/MR Imaging in Preclinical and Translational Research, 90th Annual Meeting of the Japanese Pharmacological Society , Nagasaki, Japan, March 16, 2017
133. Pichler BJ: In vivo tracking of lymphocytes by PET, Salzburg Breast Cancer Talk, Salzburg, Austria, February 10, 2017
- 2016 132. Pichler BJ: Multimodal PET/MR Imaging in Preclinical Research and Clinical Translation, ESMRMB 33rd Annual Scientific Meeting, Vienna, Austria, September 29, 2016
131. Pichler BJ: Non-invasive in vivo imaging to track immune and cancer cells, ZTZ Symposium "Oncology meets Immunology: Opening Symposium of the Center for Translational Cell Research", Zentrum Translationale Zellforschung (ZTZ), University Medical Center Freiburg, Freiburg, Germany, August 16, 2016
130. Pichler BJ: PET/MRI: Multiparametric Imaging in Preclinical & Translational Research, Conference on Limits of Perception: Advances in Bio-Imaging, The Physiological Society, Warwick, UK, August 9, 2016
129. Pichler BJ: Multimodale Bildgebung von Infektionen – In-vivo-Visualisierung der Erreger-Wirt Interaktion, Leopoldina Symposium, Berlin, Germany, July 6, 2016
128. Pichler BJ: Funktionelle & Molekulare Bildgebung, Retreat of the ZPM (Zentrum für Personalisierte Medizin der Universität Tübingen), Allensbach, Germany, March 24, 2016
127. Pichler BJ: Multiparametrische Bildgebung in der präklinischen und translationalen Forschung, Kolloquien der Klinik für Nuklearmedizin, MHH (Medizinische Hochschule Hannover), Hannover, Germany, March 23, 2016
- 2015 126. Pichler BJ: PET/MR: Multiparametric Imaging in Preclinical and Translational Research, JHU ICMIC SEMINAR SERIES, Johns Hopkins University School of Medicine, Baltimore, Maryland, USA, December 9, 2015
125. Pichler BJ: Simultaneous MR/PET studies, PET/MR Symposium, DZNE (Deutsches Zentrum für Neurodegenerative Erkrankungen), Magdeburg, Germany, November 24, 2015
124. Pichler BJ: Longitudinal PET-MRI reveals b-amyloid deposition and rCF dynamics and connects vascular amyloidosis to quantitative loss of perfusion, 15th EIBSEE Meeting on Cellular Mechanisms of Neurodegeneration, Eibsee, Germany, October 28-30, 2015
123. Pichler BJ: Präklinische Forschung in der Radiologie, Symposium "Strahlenforschung in der Medizin – Relevanz und Perspektiven", Leopoldina, Halle (Saale), Germany, May 8-9, 2015
122. Pichler BJ: Technik und translationale PET-MRT, Deutscher Röntgenkongress, Hamburg, Germany, May 13-16, 2015
121. Pichler BJ: Molecular Imaging – Part 1, 10th International Conference on Radiopharmaceutical Therapy, Innsbruck, Austria, May 3-8, 2015
120. Pichler BJ: Highlight-Lecture NuklearMedizin 2015, 53th Annual Meeting of the DGN (Deutsche Gesellschaft für Nuklearmedizin), Hannover, Germany, April 22-25, 2015
119. Pichler BJ: Translationale PET/MR Bildgebung und mögliche zukünftige klinische Anwendungen, MEDISO, 53th Annual Meeting of the DGN (Deutsche Gesellschaft für Nuklearmedizin), Hannover, Germany, April 22-25, 2015

118. Pichler BJ: How to get your work funded: German/european/international funding opportunities, 53th Annual Meeting of the DGN (Deutsche Gesellschaft für Nuklearmedizin), Hannover, Germany, April 22-25, 2015
117. Pichler BJ: Neue Wege in der funktionellen Bildgebung, 121st Congress of the DGIM (Deutsche Gesellschaft für Innere Medizin), Congress Center Rosengarten, Mannheim, Germany, April 18-21, 2015
116. Pichler BJ: Möglichkeiten der PET/MRT in der Neuroonkologie und Neurodegeneration, Klinisch-nuklearmedizinische Kolloquien München-Augsburg, Rechts der Isar Hospital of the Technical University of Munich, Munich, Germany, February 4, 2015
- 2014 115. Pichler BJ: Von Mäusen und Menschen - von der präklinischen Bildgebung zur Translation, 49th Annual Meeting of the DGNR (Deutsche Gesellschaft für Neuroradiologie), Cologne, Germany, 23-25 Oktober, 2014
114. Pichler BJ: Detector Designs, PET/MR Symposium: The New Imaging Frontier, Zurich, Switzerland, June 20, 2014
113. Pichler BJ: The Technical Revolution of Integrated PET/MRI, Annual Meeting of the Society of Nuclear Medicine and Molecular Imaging (SNMMI), St Louis, Missouri, USA, June 7-11, 2014
112. Pichler BJ: PET/MRI: Options and Challenges in Basic and Translational Research, 9th Annual Meeting of the Japanese Society for Molecular Imaging, Tokyo, Japan, May 22-23, 2014
111. Pichler BJ: Translating Personalized Medicine, Symposium: A nuclear spin on Personalized Medicine, Vienna, Austria, May 16, 2014
- 2013 110. Pichler BJ: Towards hybrid imaging of anatomy, function and molecular pathways in health and disease. Opening of the 3rd funding period of the special research field 656 "Molecular cardiovascular imaging", Muenster, Germany, November 27, 2013
109. Pichler BJ: New methods for tumour functional imaging. 2013 NCRI Cancer Conference, Liverpool, UK, 3-6 November, 2013
108. Pichler BJ: MR-PET Instrumentation & the Gains for Both Modalities. ISMRM 21st Annual Meeting & Exhibition, Salt Palace Convention Center, Salt Lake City, Utah, USA, April 20-26, 2013
107. Pichler BJ: A Different Spin on Nuclear Imaging: The Role of PET/MRI in Molecular Imaging. SNMMI Mid-Winter Meeting, New Orleans, Louisiana, USA, January 24, 2013
- 2012 106. Pichler BJ: PET/MR: Novel Imaging Options in Preclinical Research and Clinical Diagnosis. Annual Congress of the European Association of Nuclear Medicine, EANM'12, Milano, Italy, October 27-31, 2012
105. Pichler BJ: Hybridverfahren: PET/CT, PET/MR, Radiochemie. Forscher für die Zukunft 2012/2013 (FFZ), Heidelberg, Germany, October 25-26, 2012
104. Pichler BJ: Multimodality operation of PET detectors with MRI/fMRI, First Mediterranean Thematic Workshop on Advanced Molecular Brain Imaging with Compact High Performance MRI Compatible PET and SPECT Imager – Potential for a Paradigm Shift, Giardini Naxos, Italy, August, 30 - September 3, 2012
103. Pichler BJ: PET/MR Systems: Current Status and Future Directions, 59th Society of Nuclear Medicine (SNM 2012) Annual Meeting, Miami Beach, Florida, USA, June 9-13, 2012
102. Pichler BJ: PET/MR Application in Small Animal Brain Imaging Studies, 59th Society of Nuclear Medicine (SNM 2012) Annual Meeting, Miami Beach, Florida, USA, June 9-13, 2012
101. Pichler BJ: The search for the killer application in PET-MR. PET/MR and SPECT/MR: New Paradigms for Combined Modalities in Molecular Imaging Conference, Elba, Italy, May 26-30, 2012
100. Pichler BJ: Multimodality Imaging: PET/CT, PET/MR. The First Annual International Meeting of The Society of Molecular Imaging of Thailand: From Preclinical Research to Clinical Application, Bangkok, Thailand, April 9-12, 2012
99. Pichler BJ: Advances in MR/PET. ANS2012 Satellite Symposium on Imaging, Queensland Brain Institute, University of Queensland, Brisbane, Australia, January 28-29, 2012

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| 2011 | 98. <u>Pichler BJ</u> : PET/MRI and the Brain. 30 th International Symposium, Radioactive Isotopes in Clinical Medicine and Research, Bad Hofgastein, Austria, January 11-13, 2012 | |
| | 97. <u>Pichler BJ</u> : Solutions to the MR-AC problem. Symposium "Issues and Developments in PET/MR", University Hospital, Zurich, Switzerland, November 4-5, 2011 | |
| | 96. <u>Pichler BJ</u> : How to Monitor Therapy Effects in Animal Models? CME 13 - Translational Molecular Imaging: Preclinical Models for the Characterization and Therapy of Disease, Annual Congress of the European Association of Nuclear Medicine, Birmingham, UK, October 15-19, 2011 | |
| | 95. <u>Pichler BJ</u> : Multiparametric Imaging in Research. Pre-congress Symposium, Annual Congress of the European Association of Nuclear Medicine, Birmingham, UK, October 15-19, 2011 | |
| | 94. <u>Pichler BJ</u> : Small Animal PET/MRI Innovations – Novel Research Applications and Challenges. Siemens Industry Workshop, WMIC, San Diego Convention Center, San Diego, California, USA, September 8, 2011 | |
| | 93. <u>Pichler BJ</u> : Multimodality imaging, translation to the clinic. Radiopharmacy and Radiopharmacology Symposium, ISRS Meeting, Amsterdam, The Netherlands, August 28, 2011 | |
| | 92. <u>Pichler BJ</u> : Next generation of PET technology. Peter MacCallum Cancer Center, Melbourne, Australia, July 19, 2011 | |
| | 91. <u>Pichler BJ</u> : Next generation of PET technology. ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011 | |
| | 90. <u>Pichler BJ</u> : Preclinical Utilization of PET-MR with potential clinical uses. Breakfast Symposium Siemens, ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011 | |
| | 89. <u>Pichler BJ</u> : Site Requirement, Infrastructure and Personnel for PET/MRI in Research and Clinic. ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011 | |
| | 88. <u>Pichler BJ</u> : PET-MRI: Multiparametric Imaging in Preclinical Research and Clinical Diagnosis. ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011 | |
| | 87. <u>Pichler BJ</u> : PET/MR, Education Centre, Royal Brisbane and Women's Hospital, Brisbane, Australia, July 12, 2011 | |
| | 86. <u>Pichler BJ</u> : Whole body PET/MRI, where are we? Turku PET Symposium, May 28-31, 2011, Turku, Finland | |
| | 85. <u>Pichler BJ</u> : Preclinical imaging: Infrastructure, Organisation and Science. 39 th annual meeting of the British Nuclear Medicine Society, Brighton Conference Centre, Brighton, UK, May 9, 2011 | |
| | 84. <u>Pichler BJ</u> : PET/MRI: Multiparametric Imaging in Clinic and Research. 39 th annual meeting of the British Nuclear Medicine Society, Brighton Conference Centre, Brighton, UK, May 9, 2011 | |
| | 2010 | 83. <u>Pichler BJ</u> : Preclinical and Translational Imaging in Oncology, Neurology and Immunology. AIT Health & Environment Seminar Series 2011, Vienna, Austria, May 4, 2011 |
| | | 82. <u>B.J.Pichler</u> : PET/MRI in molecular imaging. The 2 nd International Symposium on Integrated PET-MRI, Osaka, Japan, January 28-29, 2011 |
| | | 81. <u>Pichler BJ</u> : Small animal & translational imaging. The first comprehensive cancer research training program in medical oncology (CC RTP-MO). Kurhaus Hinterzarten, Hinterzarten, Germany, September 22-26, 2010 |
| 80. <u>Pichler BJ</u> : PET/MRI – a new hybrid technology for preclinical research and clinical diagnostic. Institute for Medical Physics, Friedrich-Alexander-University Erlangen-Nürnberg, Erlangen, Germany, June 30, 2010 | | |
| 79. <u>Pichler BJ</u> : Technik und Anwendung der kombinierten PET/MRT-Bildgebung. FZD-Kolloquium, Forschungszentrum Dresden - Rossendorf, Dresden, Germany, June 21, 2010 | | |
| 78. <u>Pichler BJ</u> : Bedeutung der molekularen Bildgebung und der Kleintierbildgebung in der Forschung und Entwicklung. Eröffnungssymposium Small Animal Imaging Center (SAIC), Charité am Campus Virchow Klinikum, Berlin, Germany, June 16, 2010 | | |

77. Pichler BJ: MR/PET: technology. 7th MAGENTOM World Summit, Shenzhen, China, May 27-30, 2010
76. Pichler BJ: PET/MR imaging in mouse and men. BME Research Day, University of Technology, Eindhoven, The Netherlands, May 19, 2010
75. Pichler BJ: PET/MRI: multiparametric imaging in mice and men. Combined MR/Pet Imaging, Emory University, Atlanta, Georgia, USA, April 8, 2010
74. Pichler BJ: PET/MRI: the next generation of multimodality imaging? The 1st International Conference on Integrated PET-MRI, Senri Life Science Center Toyonaka, Osaka, Japan, February 13, 2010
- 2009 73. Pichler BJ: Practical implementations of PET, MRI and PET/MRI in preclinical trials. Global Imaging Summit, Berlin, Germany, October 21-22, 2009
72. Pichler BJ: Multi-modality Preclinical Imaging in Tübingen. Multi-Modality Imaging Meeting, Peter Wall Institute of the University of British Columbia, Vancouver, Canada, September 28, 2009
71. Pichler BJ: Recent advances in preclinical imaging applications – Studies on neuro applications using multimodal imaging technology. Siemens Industry Workshop 1, World Molecular Imaging Congress, Montreal, Canada, September 24, 2009
70. Pichler BJ: Multimodal Imaging Approaches: PET/CT and PET/MR. 442. WE-Heraeus Seminar on Molecular Imaging, Physikzentrum Bad Honnef, Bad Honnef, Germany, October 4-7, 2009
69. Pichler BJ: Keynote lecture: MR-PET. 8th International Symposium on Highfield MR in Clinical Applications, University of Bonn, Bonn, Germany, August 28-29, 2009
68. Pichler BJ: Von PET-CT zu MR-PET: Wo liegt die Zukunft? Symposium: Neue Dimensionen in der hybriden Bildgebung, Essen University Hospital, Essen, Germany, August 27, 2009
67. Pichler BJ: Molecular Imaging in animal models. "Signalling Networks in Oncology: molecules, mice and men", PhD Retreat, International Graduate School in Molecular Medicine Ulm, Ludwigsburg, Germany, August 6-7, 2009
66. Pichler BJ: Präklinische, translationale Forschung. Innovation durch Kooperation, 2. Forschungstreffen UKT - Siemens MED, Asperg, Germany, July 30-31, 2009
65. Pichler BJ: Functional non-invasive imaging of small animals. Symposium "Tumor Immunology meets Oncology V", Martin Luther University Halle-Wittenberg, University Hospital, Halle-Wittenberg, Germany, May 15-16, 2009
64. Pichler BJ: In vivo small animal imaging in oncology research. Research Seminars in Clinical Oncology, University Hospital Zurich, Zurich, Switzerland, May 8, 2009
63. Pichler BJ: New technical developments. ACSI special focus: Molecular Imaging: Technical Advances and Translation to Clinical Practice, University Medical Center, Mannheim, Germany, March 28, 2009
62. Pichler BJ: Molekulare Bildgebung. Tag der Tübinger Krebsforschung, Südwestdeutsches Tumorzentrum, Tübingen, Germany, March 27, 2009
61. Pichler BJ: MR-PET: Current technical developments and clinical perspectives. 21st European Congress of Radiology (ERC), Vienna, Austria, March 6-10, 2009
60. Pichler BJ: PET/MRI: Hybrid Imaging in Preclinical Research and Clinic. Kolloquium Biomedizinische Technik und verwandte Gebiete, Helmholtz Institute for Biomedical Engineering of the RWTH Aachen University, Aachen, Germany, February 5, 2009
- 2008 59. Pichler BJ: PET/MRI: the next generation of simultaneous multi-parametric imaging. 7th Biennial Meeting of ANZMAG, Couran Cove, Queensland, Australia, December 7-11, 2008
58. Pichler BJ: PET/MRI Small Animal Imaging. Inauguration of the reference site for small animal molecular imaging, INFINITY (Innovative Flemish In Vivo Imaging Technology), University of Gent, Belgium, November 28, 2008
57. Pichler BJ: Development and impact of multimodality imaging devices. Bayer Schering Pharma Life Science Workshop Series "Molecular Imaging for better diagnosis and management of diseases", Berlin, Germany, November 5-7, 2008

56. Pichler BJ: State-of-the-art of small animal MR-PET scanners. Satellite workshop "MR-PET: A Hybrid Imaging System" of the 2008 IEEE NSS/MIC Symposium, Jülich, Germany, October 27-28, 2008
55. Pichler BJ: PET-MRI: Combining multi-functional and morphological information in first preclinical and clinical studies. Bat Shevar Seminar on Frontiers of Biomedical Magnetic Resonance, Safed, Israel, September 20, 2008
54. Pichler BJ: Roadmap of First in Vivo Results on Preclinical and Clinical PET/MRI. World Molecular Imaging Congress, Nice, France, September 10-13, 2008
53. Pichler BJ: Latest Advances in Preclinical Imaging. Siemens Industry Workshop, Nice, France, September 12, 2008
52. Pichler BJ: Operational Management of an Imaging Facility. Siemens Preclinical User Group Meeting and Workshop, Nice, France, September 9, 2008
51. Pichler BJ: Small animal PET, MRI, and CT: revealing morphological and quantitative functional information from images, First International Workshop on Systems Biology, Stuttgart, Germany, June 2008
50. Pichler BJ: Multimodale Kleintierbildgebung: Die Fusion von Morphologie und Funktion, Medizinisches Symposium "Bildgebung in der Grundlagenforschung", Alfried Krupp Wirtschaftskolleg, Greifswald, Germany, June 2008
49. Pichler BJ: Kleintier-Positronen-Emissions-Tomographie in der präklinischen Forschung. Technische, personelle und fachliche Voraussetzungen für die Anwendung des Kleintier-PET, 37. Seminar über Versuchstiere und Tierversuche, Berlin, Germany, May 2008
48. Pichler BJ: Strategien und Methoden zur Bildgebung im Millimeter- und Submillimeterbereich, Radioonkologisches Kolloquium, Munich, Germany, May 2008
47. Pichler BJ: PET/MRI in der Präklinischen Bildgebung: Erste in vivo Ergebnisse, Janus II PET-MRT, Internationales Symposium im Rahmen der 46. Jahrestagung der Deutschen Gesellschaft für Nuklearmedizin, Leipzig, Germany, April 2008
46. Pichler BJ: PET/MRI in clinical and preclinical research, 28th International Symposium "Radioactive Isotopes in Clinical Medicine and Research", Bad Hofgastein, Austria, January 2008
45. Pichler BJ: PET/MRI: a new generation of multifunctional and morphological imaging, SSCPNM congress, Lillehammer, Norway, February 2008
- 2007 44. Pichler BJ: Kombinierte funktionale und morphologische Bildgebung mittels PET/MR, Klinisch Nuklearmedizinische Gespräche, Freiburg, Germany, November 2007
43. Pichler BJ: Recent achievements in correlative PET/MRI imaging, Symposium, Department of Nuclear Medicine, University Medical Center Nijmegen, Nijmegen, The Netherlands, November 2007
42. Pichler BJ: Small Animal Imaging: Neue Trends und Entwicklungen. Universitätsklinik für Nuklearmedizin und Radiodiagnostik I, Innsbruck, Austria, 2007
41. Pichler BJ: Combined PET and MRI, 2007 Oxford Biomedical Imaging Festival, Oxford, UK, September 2007
40. Pichler BJ: Simultaneous MR and PET imaging. Bruker BioSpin MRI/MRS Users' Meeting, IHK Center Karlsruhe, Karlsruhe, Germany, October 2007
39. Pichler BJ: PET/MRI: Tumor imaging to reveal multi-functional information. DiMI/EMIL Summer School, Prague, Czech Republic, August 2007
38. Pichler BJ: Präklinische bildgebende Verfahren in der medizinischen Forschung. Leibniz Kolleg Tübingen, Tübingen, Germany, June 2007
37. Pichler BJ: PET instrumentation in molecular imaging: from single modality to multimodality and beyond. European Society for Molecular Imaging, Second International Conference, Naples, Italy, June 2007

36. Pichler BJ: Recent developments in small animal PET/MRI. The annual Siemens physicists breakfast, Washington, D.C., USA, June 2007
35. Pichler BJ: Combined technologies: MRI/PET, PET/CT, MRI/Optical - Instrumental aspects. Joint annual meeting ISMRM-ESMRMB, Berlin, Germany, May 2007
34. Pichler BJ: Combined clinical MR/PET: Feasibility of Simultaneous Imaging. Joint annual meeting ISMRM-ESMRMB, Berlin, Germany, May 2007
33. Pichler BJ: MRI & Nuclear. Joint annual meeting ISMRM-ESMRMB, Berlin, Germany, May 2007
32. Pichler BJ: Nicht invasive Micro-PET Bildgebung von atherosklerotischen Plaques bei ApoE-Mäusen. 5. Berliner PET/CT-Symposium, Berlin, Germany, May 2007
31. Pichler BJ: Inveon PET/CT- Neue Wege in der präklinischen Hybridbildgebung. Siemens Lunchsymposium, Hannover, Germany, April 2007
30. Pichler BJ: Simultaneous PET/MR animal imaging: First in vivo results. 45th Annual Meeting of the DGN (Deutsche Gesellschaft für Nuklearmedizin), Hannover, Germany, April 2007
29. Pichler BJ: MRI and PET. 7. Tübinger Course "Neuro-fMRI", Eberhard Karls University of Tübingen, Tübingen, Germany, March 2007
28. Pichler BJ: Small animal PET imaging in oncology, neurology and cardiology. Second DIMI workshop, Milan, Italy, February 2007
27. Pichler BJ: Entwicklung eines kombinierten PET/MR Scanners. German Cancer Research Center Heidelberg, Heidelberg, Germany, January 2007
- 2006 26. Pichler BJ: In vivo Animal Imaging: Comparison of Optical Imaging with PET and MRI. Advanced Course on Digital Microscopy and Fluorescence Techniques in Cell Biology, German Cancer Research Center, Heidelberg, Germany, October 2006
25. Pichler BJ: Combined PET/MRI. Inauguration Prof. Anne Paans, Groningen, The Netherlands, October 2006
24. Pichler BJ: In vivo Imaging of lymphocyte trafficking by PET, MRI and Optical Imaging. University Medical Center Groningen, Groningen, The Netherlands, May 2006
23. Pichler BJ: Untersuchungen mit dem micro-Imager Focus 120. Institute of Nuclear Chemistry at the University of Mainz, Mainz, Germany, May 2006
22. Pichler BJ: PET/MR-The way to go? Workshop of the DGN (Deutsche Gesellschaft für Nuklearmedizin), Berlin, Germany, April 2006
21. Pichler BJ: In-vivo-Kleintierbildgebung: Neue Perspektiven in der Präklinischen Forschung. Siemens Lunch Symposium, Berlin, Germany, April 2006
20. Pichler BJ: Noninvasive functional imaging by high-resolution positron-emission-tomography. 18th Annual Euro Meeting, Drug Information Association, Paris, France, March 2006
19. Pichler BJ: New development in cell labelling. European Symposium on Radiopharmacy and Radiopharmaceuticals, Lucca, Italy, March 2006
18. Pichler BJ: C-11 dynamic brain studies using microPET. Siemens Preclinical Solutions Workshop, Orlando, Florida, USA, March 2006
- 2005 17. Pichler BJ: Funktionelle Bildgebung am Kleintier. Medizinische Gesellschaft Universität Erlangen, Erlangen, Germany, December 2005
16. Pichler BJ: Molekulare Bildgebung am Kleintier - Übersicht und Vergleich der verschiedenen Techniken. 13. Arbeitstreffen der AG Radiochemie/Radiopharmazie der DGN (Deutsche Gesellschaft für Nuklearmedizin), Seefeld, Austria, October 2005
15. Pichler BJ: PET-MRI: A new approach in multimodality imaging. Annual Meeting of the Society of Molecular Imaging, Cologne, Germany, September 2005
14. Pichler BJ: New Approaches in Non-Invasive Molecular Imaging: Combining PET and MRI. 5th World Congress on Alternatives & Animal Use in the Life Sciences, Berlin, Germany, August 2005

13. Pichler BJ: Labeling of cells. MIRT Workshop: "Translational Applications of Molecular Imaging and Radionuclide Therapy", Toronto, Canada, June 2005
12. Pichler BJ: microPET: Exploring the Limits in State-of-the-Art Pre-clinical PET. Siemens Physicists' Breakfast Meeting, Toronto, Canada, June 2005
11. Pichler BJ: Animal PET: From biomedical engineering to basic research and further. Workshop 1: Animal PET, University of Oslo, Norway, May 2005
10. Pichler BJ: Preclinical imaging. Oncological Sessions, Siemens Medical Solutions, Utrecht, The Netherlands, May 2005
9. Pichler BJ: Neue Entwicklungen: PET/MRT. Deutscher Röntgenkongress, Berlin, Germany, May 2005
8. Pichler BJ: PET Imaging of Cell Trafficking. Biomedical imaging research Opportunities Workshop, NIH, Bethesda, Maryland, USA, March 2005
- 2004 7. Pichler BJ: High resolution positron emission tomography of rodents and primates and its potential for airway imaging. 25th Annual Meeting of the American College of Toxicology, Symposium VI, Palm Springs, California, USA, November 7-10, 2004
6. Pichler BJ: Small Animal Imaging by PET and the Concorde Microsystems R4 microPET System. Small Animal Imaging Training Course at the University of Massachusetts Medical School, Worcester, Massachusetts, USA, April 2004
- 1999 5. Pichler BJ Munich LSO-APD PET: State report. Crystal Clear Meeting, CERN, Geneva, Switzerland, May 1999
4. Pichler BJ: Development of a small animal PET scanner using LSO detectors. Séminaire les caméras TEP pour petits animaux, Psychiatric Hospital, Geneva University Hospital (HUG), Geneva, Switzerland, May 1999
- 1998 3. Pichler BJ: PET Cameras. Sarajevo Summer School – Physics without borders Sarajevo, Bosnia and Herzegovina, September 1998
2. Pichler BJ: Neue Detektoren für die Nuklearmedizin. Jahrestagung der Bayerischen Gesellschaft für Nuklearmedizin, Munich, Germany, July 1998
1. Pichler BJ: Results from the Munich LSO-APD PET. Crystal Clear Meeting, CERN, Geneva, Switzerland, February 1998

Supervision of doctoral theses

2017 - 2022	Nils Trautwein (Dr. med.; Eberhard Karls Universität Tübingen)
2016 - 2022	Philipp Knopf (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2015 - 2022	Fabian Schmidt (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2014 - 2022	Filippo Michelotti (Dr. sc. hum; Eberhard Karls Universität Tübingen)
2010 - 2022	Daniel Stricker-Shaver (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2015 - 2021	Johannes Schwenck (PhD; Eberhard Karls Universität Tübingen)
2014 - 2021	Barbara Schörg (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2013 - 2021	Gregory Bowden (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2014 - 2019	Sabrina Hoffmann geb. Eilenberger (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2014 - 2019	Mario Amend (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2013 - 2019	Hanna Napieczynska (Dr. rer. nat; Eberhard Karls Universität Tübingen)
2013 - 2019	Prateek Katiyar (Dr. sc. hum; Eberhard Karls Universität Tübingen) - Summa Cum Laude

2011 - 2019	Anna Kühn geb. Teske (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2011 - 2019	Anna Kühn geb. Teske (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2012 - 2018	Philipp Güthör (Dr. med.; Eberhard Karls Universität Tübingen)
2011 - 2018	Jonathan Cotton (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2010 - 2018	Anna-Maria Wild geb. Rolle (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2009 - 2017	Ilja Bezrukov (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2009 - 2017	Yun Lin (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2013 - 2016	Christoph Parl (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2011 - 2016	Jennifer Schmitz (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2010 - 2016	Michael Walker (Dr. med.; Eberhard Karls Universität Tübingen)
2010 - 2016	Salvador Castaneda Vega (Dr. med.; Eberhard Karls Universität Tübingen)
2010 - 2016	Julia Schmitt (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2009 - 2016	Chih-Chieh Liu (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2012 - 2015	Dominik Sonanini geb. Krüger (Dr. med.; Eberhard Karls Universität Tübingen)
2010 - 2015	Mathew Divine (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2009 - 2015	Johannes Schwenck (Dr. med.; Eberhard Karls Universität Tübingen) - Summa Cum Laude
2009 - 2015	Armin Kolb (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2009 - 2015	Mosaddek Hossain (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2009 - 2015	Florian Maier (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2012 - 2014	Julia Mannheim (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2011 - 2014	Moritz Mahling (Dr. med.; Eberhard Karls Universität Tübingen)
2008 - 2013	Hans Wehrl (Dr. rer. nat.; Eberhard Karls Universität Tübingen) – Summa Cum laude
2008 - 2012	Andreas Schmid (Dr. sc. hum.; Eberhard Karls Universität Tübingen)
2008 - 2012	Christoph Griebinger (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2008 - 2012	Kristina Fischer (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2006 - 2012	Damaris Kukuk (Dr. rer. nat.; Eberhard Karls Universität Tübingen)
2005 - 2009	Martin Judenhofer (Dr. sc. hum.; Eberhard Karls Universität Tübingen) – Summa Cum Laude

Organization of workshops/congresses for scientists, doctoral students and technical employees

Jan. 28 - Feb. 01, 2019	14th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Jan. 29 - Feb. 02, 2018	13th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Jan. 30 - Feb. 01, 2017	12th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology

	Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Feb. 15-19, 2016	5th Tübingen PET/MR Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Chair Number of participants: limited to 100 participants
Jan. 25-29, 2016	11th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Feb. 23-27, 2015	4th Tübingen PET/MR Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Chair Number of participants: limited to 100 participants
Jan. 26-30, 2015	10th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Feb. 17-21, 2014	3rd Tübingen PET/MR Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Chair Number of participants: limited to 100 participants
Jan. 27-31, 2014	9th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Apr. 08-12, 2013	2nd Tübingen PET/MR Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Chair Number of participants: limited to 100 participants
Jan. 28 - Feb. 01, 2013	8th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Sep. 05-08, 2012	World Molecular Imaging Congress Convention Centre Dublin, Ireland Function: Scientific Program Chair, Member of the Steering Committee Number of participants: 2000 participants
Mar. 19-23, 2012	1st Tübingen PET/MR Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Chair Number of participants: limited to 100 participants
Jan. 23-27, 2012	7th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Sep. 07-10, 2011	World Molecular Imaging Congress San Diego, USA Function: Organizer of the Educational Program Number of participants: more than 2000
Jan. 24-28, 2011	6th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 36 participants
Sep. 08-11, 2010	World Molecular Imaging Congress Kyoto, Japan

	Function: Organizer of the Educational Program Number of participants: more than 2000
Feb. 22-26, 2010	5th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 32 participants
Sep. 23-26, 2009	World Molecular Imaging Congress Montreal, Canada Function: Organizer of the Educational Program Number of participants: more than 2000
Jan. 19-22, 2009	4th Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 33 participants
Jan. 21-24, 2008	3rd Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 28 participants
Sep. 07-08, 2007	Small Animal Imaging Workshop: Practice, Methodology & Theory Imaging in Molecular Medicine Symposium 2007 Providence, Rhode Island, USA
Jan. 29 - Feb. 01, 2007	2nd Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 21 participants
Feb. 06-09, 2006	1st Small Animal Imaging Workshop Eberhard Karls University of Tübingen, Clinical Department of Radiology Function: Organizer, Speaker, Laboratory Instructor Number of participants: limited to 21 participants
Apr. 19-21, 2004	Small Animal Imaging Workshop University of Massachusetts, Medical School, USA Function: Faculty Member, Speaker, Laboratory Instructor Number of participants: ~ 100