

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 WI, 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

- 2018 *Radiolabeled beta-galactosidase substrate for PET imaging of senescence*
Inventors: Cotton, Jonathan; Kühn, Anna; Maurer, Andreas; Pichler, Bernd; Schulze-Osthoff, Klaus; Fuchs, Kerstin; Krüger, Marcel André; Zender, Lars
WO2018153966 A1; DE102017103600 A1
- 2016 *Use of quinoxaline derivatives useful in imaging method*
Inventors: Bowden, Gregory; Pichler, Bernd; Michelotti, Fillippo; Schmidt-Honndorf, Valerie; Cotton, Jonathan; Kesenheimer, Christian
WO2016034708 A1, DE102014112747 A1
- 2015 *Method for the temporal calibration of a switched capacitor array*
Inventors: Pichler, Bernd; Stricker-Shaver, Daniel; Kolb, Armin; Parl, Christoph; Ritt, Stefan
WO2015051824 A1, EP3055866 A1
- 2015 *Measuring unit for a combined PET-MR system*
Inventors: Pichler, Bernd; Kolb, Armin; Wehrl, Hans; Parl, Christoph
WO2015018894 A1, DE102013108497 A1
- 2014 *Senescence Tracers*
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 *Gamma detector based on geigermode avalanche photodiodes*
Inventors: Bernd Pichler, Armin Kolb, Eckhard Lorenz
WO2012152587 A2, WO2012152587 A3, US20140246594 A1, EP2707751 A2, JP2014519025 A
- 2008 *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*
Inventors: Pichler, Bernd; Hofmann, Matthias; Scholkopf, Bernhard; Steinke, Florian
WO2008006451 A1, DE102006033383 A1, EP2041719 A1, EP2041719 B1, US20100049032 A1, US8290568 B2, AT485572 T
- 2006 *Integrated PET-MRI scanner*
Inventors: Cherry, Simon; Catana, Ciprian; Pichler, Bernd J.
WO2006119085 A2, WO2006119085 A3, US20080214927 A1, US7835782 B2
- 2006 *Combined PET/MR imaging system and APD-based PET detector for use in simultaneous PET/MR imaging*
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	<p>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 €</p>
2020-2025	<p>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 \$</p>
2020-2021	<p>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 €</p>
2020-2021	<p>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 €</p>
2020-2025	<p>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 €</p>
2019-2026	<p>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 €</p>
2019-2024	<p>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 €</p>
2019-2024	<p>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 €</p>
2019-2023	<p>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 €</p>
2019-2025	<p>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 €</p>
2019	<p>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</p>

	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 (2 nd 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)

	<p>Applicants: Dr. Carola Reinhard, Prof. Dr. Bernd Pichler (i.a.) Subproject funds: 249,216 € Total funds: 3,858,940 €</p>
2017-2018	<p>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 €</p>
2017-2019	<p>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 €</p>
2017-2021	<p>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 €</p>
2016-2019	<p>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 €</p>
2015-2017	<p>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 €</p>
2016-2017	<p>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 €</p>
2016-2017	<p>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 €</p>
2016-2023	<p>Werner Siemens-Foundation, Zug, Switzerland Werner Siemens Imaging Center Applicant: Prof. Dr. Bernd Pichler Funds: 15,673,646 €</p>
2015-2018	<p>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 €</p>
2015-2018	<p>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 €</p>
2015-2019	<p>DFG - Collaborative Research Center SFB TRR 156 (1st funding period)</p>

	<p>“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 €</p>
2015-2017	<p>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. Tilam Schaffer Subproject funds: 187,560 € Total funds: 4,823,690 €</p>
2016	<p>DFG - Major Research Instrumentation Program “DNP hyperpolarizer” (grant agreement no.: INST 2388/48-1) Applicant: Prof. Dr. Bernd Pichler Funds: 708,500 €</p>
2014-2015	<p>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 €</p>
2014-2019	<p>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 €</p>
2014-2017	<p>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 €</p>
2014	<p>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 €</p>
2014	<p>DFG - Major Research Instrumentation Program “7T Kleintier MRT” (grant agreement no.: INST 2388/46-1) Applicant: Prof. Dr. Bernd Pichler Funds: 1,284,000 €</p>
2013-2018	<p>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 €</p>
2013-2018	<p>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 €</p>
2013-2017	<p>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”</p>

	<p>Subproject leaders: Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling Subproject funds: 401,520 €</p>
2013-2018	<p>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 €</p>
2013- 2015	<p>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 €</p>
2013	<p>DFG - Major Research Instrumentation Program “Optische Bildgebungseinheit” (grant agreement no.: INST 2388/41-1) Applicant: Prof. Dr. Bernd Pichler Funds: 206,876 €</p>
2012-2015	<p>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 €</p>
2012-2013	<p>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 €</p>
2012-2013	<p>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 €</p>
2012-2015	<p>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 €</p>
2012-2015	<p>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 €</p>
2012-2015	<p>Werner Siemens-Foundation, Zug, Switzerland Werner Siemens Imaging Center Applicant: Prof. Dr. Bernd Pichler Funds: 8,000,000 €</p>

2011-2014	<p>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 €</p>
2011-2013	<p>BMBF - BioMatVital: BioTransporter "Neuartige multifunktionale, nanopartikelre Formulierung fr 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 €</p>
2011	<p>IZKF post graduate program of the Eberhard Karls University of Tbingen "In vivo Untersuchung des Einflusses verschiedener Narkose- und Beatmungsprotokolle auf die Tumorphoxie und die Aufnahme-Charakteristik von Hypoxietracern im CT26 Kolonkarzinom" (grant agreement no.: 2011-1) Applicants: Prof. Dr. Bernd Pichler, Moritz Mahling Funds: 8,000 €</p>
2011	<p>DFG - Major Research Instrumentation Program "MR-System 7T fr Kleintier-Experimente" (grant agreement no.: INST 2388/21-1) Applicant: Prof. Dr. Bernd Pichler Funds: 990,913 €</p>
2010-2012	<p>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 €</p>
2010-2013	<p>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 €</p>
2010	<p>IZKF post graduate program of the Eberhard Karls University of Tbingen "Nicht invasive in vivo Untersuchungen der Nf-kB Expression und der Gefneubildung im Rahmen der Delayed-type Hypersensitivity Reaction" (grant agreement no.: 2010-1) Applicants: Prof. Dr. Bernd Pichler, Johannes Schwenk Funds: 8,000 €</p>
2009-2013	<p>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 €</p>
2009-2012	<p>DFG - Research Grants Program "PET- und MR-Imaging des Prostatakarzinoms mit Hilfe spezifischer anti-PSMA monoklonaler Antikrper und rekombinanter Antikrperfragmente" (grant agreement no.: PI 771/2-1) Applicants: Prof. Dr. Ursula Elsser-Beile, Prof. Dr. Bernd Pichler Funds: 151,200 €</p>
2009-2012	<p>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 €</p>
2009-2010	<p>ICEPHA Twinning Grant (Robert Bosch Foundation & Eberhard Karls University of Tbingen) "PIVOT – PET Imaging for in Vivo Evaluation of Drug Transport" (AZ: Sg140509IZEPHA) Applicants: Prof. Dr. Bernd Pichler, Prof. Dr. Matthias Schwab Funds: 56,000 €</p>
2009-2014	<p>Werner Siemens-Foundation, Zug, Switzerland</p>

	<p>PhD Research Training Group "Preclinical Molecular Imaging" Applicant: Prof. Dr. Bernd Pichler Funds: 1,200,000 €</p>
2008-2011	<p>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 €</p>
2008-2012	<p>BMBF - MoBiMed "Angiogene-Targeting für Diagnose und Therapie – MoBiMed"(grant agreement no.: 01EZ0810) Subproject 4: "Korrelation von Tumorangio-genese und -hypoxie in Kombination mit verschiedenen Tumortherapien in der RIP1-Tag2 und PyV-mT Maus" Subproject leader: Prof. Dr. Bernd Pichler Subproject funds: 449,490 € Total funds: 2,897,000 €</p>
2008-2013	<p>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 €</p>
2008-2011	<p>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 €</p>
2008-2012	<p>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 €</p>
2007-2010	<p>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 €</p>
2007-2012	<p>Werner Siemens-Foundation, Zug, Switzerland Werner Siemens-Foundation endowed professorship "functional imaging" Applicants: Prof. Dr. Claus Claussen, Dr. Bernd Pichler Funds: 3,162,000 €</p>
2006-2009	<p>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 €</p>
2005-2006	<p>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 €</p>
2005-2008	<p>R03 National Institutes of Health, USA (No. 1R03AI059791): "Non-invasive Imaging of T Cell Trafficking" Applicant: Dr. Bernd Pichler Funds: 108,000 \$</p>
2004-2008	<p>R21 National Institutes of Health, USA (No. 1R21EB004483):</p>

		“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> , Wehr 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 [#]

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, Pichler BJ, 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, Pichler BJ, 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, Pichler BJ, 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#
232. Trautwein C, Zizmare L, Mäurer I, Bender B, Bayer B, Ernemann U, Tatagiba M, Grau SJ, Pichler BJ, Skardelly M, Tabatabai G. Tissue metabolites in diffuse glioma and their modulations by IDH1 mutation, histology and treatment. **JCI Insight**. 2022 Feb 8;7(3):e153526. 9.701#
- 2021 231. Seitz CM, Mittelstaet J, Atar D, Hau J, Reiter S, Illi C, Kieble V, Engert F, Drees B, Bender G, Krahl AC, Knopf P, Schroeder S, Paulsen N, Rokhvarguer A, Scheuermann S, Rapp E, Mast AS, Rabsteyn A, Schleicher S, Grote S, Schilbach K, Kneilling M, Pichler B, Lock D, Kotter B, Dapa S, Miltenyi S, Kaiser A, Lang PT, Handgretinger R, Schlegel P. Novel adapter CAR-T cell technology for precisely controllable multiplex cancer targeting. **Oncimmunology**. 2021 Dec2;10(1). 8.240
230. Traenkle B, Kaiser PD, Pezzana S, Richardson J, Gramlich M, Wagner TR, Seyfried D, Weldle M, Holz S, Parfyonova Y, Nueske S, Scholz AM, Zeck A, Jakobi M, Schneiderhan-Marra N, Schaller M, Maurer A, Gouttefangeas C, Kneilling M, Pichler BJ, Sonanini D, Rothbauer U. Single-Domain Antibodies for Targeting, Detection, and In Vivo Imaging of Human CD4+ Cells. **Front Immunol**. 2021 Dec 9;12:799910. 8.876
229. Bowden GD, Stotz S, Kinzler J, Geibel C, Lämmerhofer M, Pichler BJ, Maurer A. DoE Optimization Empowers the Automated Preparation of Enantiomerically Pure [¹⁸F]Talazoparib and its In Vivo Evaluation as a PARP Radiotracer. **J Med Chem**. 2021 Nov 11;64(21):15690-15701. 7.897
228. Stotz S, Bowden GD, Cotton JM, Pichler BJ, Maurer A. Covalent 18F-Radiotracers for SNAPTag: A New Toolbox for Reporter Gene Imaging. **Pharmaceuticals (Basel)**. 2021 Sep 3;14(9):897 5.711
227. Ionescu TM, Amend M, Hafiz R, Biswal BB, Maurer A, Pichler BJ, Wehrl HF, Herfert K. Striatal and prefrontal D2R and SERT distributions contrastingly correlate with default-mode connectivity. **Neuroimage**. 2021 Aug 22;243:118501. 8.011
226. Cotton J, Goehring, CM, Kuehn A, Maurer A, Fuchs K, Pichler BJ. Synthesis and Biological Evaluation of a Radiolabeled PET Probe for Visualization of In Vivo α -Fucosidase Expression. **Pharmaceuticals (Basel)**. 2021 Jul 29;14(8):745. 5.711
225. Sonanini D, Griessinger CM, Schörg BF, Knopf P, Dittmann K, Röcken M, Pichler BJ, Kneilling M. Low-dose total body irradiation facilitates antitumoral Th1 immune responses. **Theranostics**. 2021 Jun 16;11(16):7700-7714 12.201
224. Bowden GD, Chailangar N, Pichler BJ, Maurer A. Scalable 18F processing conditions for copper-mediated radiofluorination chemistry facilitate DoE optimization studies and afford an improved synthesis of [¹⁸F]olaparib. **Org Biomol Chem**. 2021 Aug 28;19(32):6995-7000 3.464
223. Rudalska R, Harbig J, Snaebjornsson MT, Klotz S, Zwirner S, Taranets L, Heinzmann F, Kronenberger T, Forster M, Cui W, D'Artista L, Einig E, Hinterleitner M, Schmitz W, Dylawerska A, Kang T-W, Poso A, Rosenfeldt MT, Malek NP, Bitzer M, Laufer S, 23.190

- Pichler BJ, Popov N, Schulze A, Zender L, Dauch D. LXR α activation and Raf inhibition trigger lethal lipotoxicity in liver cancer. **Nat Cancer**. 2021 Feb, 2: 201–217.
222. Nording, H., Baron, L., Haberthür, D. Emschermann F, Mezger M, Sauter M, Sauter R, Patzelt J, Knoepp K, Nording A, Meusel M, Meyer-Saraei R, Hlushchuk R, Sedding D, Borst O, Eitel E, Karsten CM, Feil R, Pichler BJ, Erdmann J, Verschoor A, Chavakis E, Chavakis T, von Hundelshausen P, Köhl J, Gawaz M, Langer HF. The C5a/C5a receptor 1 axis controls tissue neovascularization through CXCL4 release from platelets. **Nat Commun**. 2021 Jun, 12: 3352 17.763
221. Ionescu TM, Amend M, Hafiz R, Biswal BB, Wehrl HF, Herfert K, Pichler BJ. Elucidating the complementarity of resting-state networks derived from dynamic [18F]FDG and hemodynamic fluctuations using simultaneous small-animal PET/MRI. **Neuroimage**. 2021 Apr 10;236:118045. 8.011
220. Henneberg S, Hasenberg A, Maurer A, Neumann F, Bornemann L, Gonzalez-Menendez I, Kraus A, Hasenberg M, Thornton CR, Pichler BJ, 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, Pichler B, 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
217. Brück J, Calaminus C, Hoffmann SHL, Schwenck J, Holstein J, Yazdi AS, Pichler B, Kneilling M, Ghoreschi K. Non invasive in vivo monitoring of dimethyl fumarate treatment in EAE by assessing the glucose metabolism in secondary lymphoid organs. **Eur J Immunol**. 2021 Apr;51(4):1006-1009. 6.093
216. Kuebler L, Buss S, Leonov A, Ryazanov S, Schmidt F, Maurer A, Weckbecker D, Landau AM, Lillethorup TP, Bleher D, Saw RS, Pichler BJ, Griesinger C, Giese A, Herfert K. [11C]MODAG-001-towards a PET tracer targeting α -synuclein aggregates. **Eur J Nucl Med Mol Imaging**. 2021 Jun;48(6):1759-1772. 9.111
215. Mehling R, Schwenck J, Lemberg C, Trautwein C, Zizmare L, Kramer D, Mueller A, Fehrenbacher B, Gonzalez-Menendez I, Quintanilla-Martinez L, Schroeder K, Brandes RP, Schaller M, Ruf W, Eichner M, Ghoreschi K, Roecken M, Pichler BJ, Kneilling M. Immunomodulatory role of reactive oxygen species and nitrogen species during T cell-driven neutrophil-enriched acute and chronic cutaneous delayed-type hypersensitivity reactions. **Theranostics** 2021; 11(2):470-490. 12.201
214. Thaiss WM, Gatidis S, Sartorius T, Machann J, Peter A, Eigentler TK, Nikolaou K, Pichler BJ, 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, Pichler BJ. Quo Vadis, Molecular Imaging? **J Nucl Med**. 2020 Oct;61(10):1428-1434. 8.573
212. Neveu MA, Beziere N, Daniels R, Bouzin C, Comment A, Schwenck J, Fuchs K, Kneilling M, Pichler BJ, Schmid AM. Lactate Production Precedes Inflammatory Cell Recruitment in Arthritic Ankles: An Imaging Study. **Mol Imaging Biol**. 2020 Oct;22(5):1324-1332. 3.389

211. Fischer K, Fenzl A, Liu D, Dyar KA, Kleinert M, Brielmeier M, Clemmensen C, Fedl A, Finan B, Gessner A, Jastroch M, Huang J, Keipert S, Klingenspor M, Brüning JC, Kneilling M, Maier FC, Othman AE, Pichler BJ, Pramme-Steinwachs I, Sachs S, Scheideler A, Thaiss WM, Uhlenhaut H, Ussar S, Woods SC, Zorn J, Stemmer K, Collins S, Diaz-Meco M, Moscat J, Tschöp MH, Müller TD. The scaffold protein p62 regulates adaptive thermogenesis through ATF2 nuclear target activation. **Nat Commun.** 2020 May 8; 11(1): 2306. 15.805
210. Krueger MA, Calaminus C, Schmitt J, Pichler BJ. Circadian rhythm impacts preclinical FDG-PET quantification in the brain, but not in xenograft tumors. **Sci Rep.** 2020 Mar; 10(1): 5587. 5.133
209. Brenner E, Schörg BF, Ahmetlić F, Wieder T, Hilke FJ, Simon N, Schroeder C, Demidov G, Riedel T, Fehrenbacher B, Schaller M, Forschner A, Eigentler T, Niessner H, Sinnberg T, Böhm KS, Hömberg N, Braumüller H, Dauch D, Zwirner S, Zender L, Sonanini D, Geishausen A, Bauer J, Eichner M, Jarick KJ, Beilhack A, Biskup S, Döcker D, Schadendorf D, Quintanilla-Martinez L, Pichler BJ, Kneilling M, Mocikat R, Röcken M. Cancer immune control needs senescence induction by interferon-dependent cell cycle regulator pathways in tumours. **Nat Commun.** 2020 Mar; 11(1): 1335. 15.805
208. Maurer A, Leonov A, Ryazanov S, Herfert K, Kuebler L, Buss S, Schmidt F, Weckbecker D, Linder R, Bender D, Giese A, Pichler BJ, Griesinger C. 11C radiolabeling of anle253b: A putative PET tracer for Parkinson's disease that binds to alpha-synuclein fibrils in vitro and crosses the blood-brain barrier. **ChemMedChem.** 2020 Mar; 15(5): 411-415. 3.573
207. Lim MS, Beyer T, Babayan A, Bergmann M, Brehme M, Buyx A, Czernin J, Egger G, Elenitoba-Johnson KSJ, Gückel B, Jačan A, Haslacher H, Hicks RJ, Kenner L, Langanke M, Mitterhauser M, Pichler BJ, Salih HR, Schibli R, Schulz S, Simecek J, Simon J, Soares MO, Stelzl U, Wadsak W, Zatloukal K, Zeitlinger M, Hacker M. Advancing Biomarker Development Through Convergent Engagement: Summary Report of the 2nd International Danube Symposium on Biomarker Development, Molecular Imaging and Applied Diagnostics; March 14-16, 2018; Vienna, Austria. **Mol Imaging Biol.** 2020 Feb 22(1):47-65. 3.389
206. Vega SC, Leiss V, Piekorz R, Calaminus C, Pexa K, Vuozzo M, Schmid AM, Devanathan V, Kesenheimer C, Pichler BJ, Beer-Hammer S, Nürnberg B. Selective protection of murine cerebral Gi/o-proteins from inactivation by parenterally injected pertussis toxin. **J Mol Med (Berl).** 2020 Jan; 98(1): 97-110. 6.029
205. Schwenck J, Schörg B, Fiz F, Sonanini D, Forschner A, Eigentler T, Weide B, Martella M, Gonzalez-Menendez I, Campi C, Sambuceti G, Seith F, Quintanilla-Martinez L, Garbe C, Pfannenbergl C, Röcken M, la Fougere C, Pichler BJ, Kneilling M. Cancer immunotherapy is accompanied by distinct metabolic patterns in primary and secondary lymphoid organs observed by non-invasive in vivo 18F-FDG-PET. **Theranostics** 2020 Jan; 10(2):925-937. 11.629
204. Michelotti FC, Bowden G, Küppers A, Joosten L, Maczewsky J, Nischwitz V, Drews G, Maurer A, Gotthardt M, Schmid AM, Pichler BJ. PET/MRI enables simultaneous in vivo quantification of β -cell mass and function. **Theranostics** 2020 Jan; 10(1):398-410. 11.629
- 2019 203. Seitz CM, Schroeder S, Knopf P, Krahl AC, Hau J, Schleicher S, Martella M, Quintanilla-Martinez L, Kneilling M, Pichler BJ, Lang P, Atar D, Schilbach K, Handgretinger R, Schlegel P. GD2-targeted chimeric antigen receptor T cells prevent metastasis formation by elimination of breast cancer stem-like cells. **Oncol Immunology** 2019 Nov 7;9(1):1683345. 6.255
202. Rammensee HG, Wiesmüller KH, Chandran PA, Zelba H, Rusch E, Gouttefangeas C, Kowalewski DJ, Di Marco M, Haen SP, Walz JS, Gloria YC, Bödder J, Schertel JM, Tunger A, Müller L, Kießler M, Wehner R, Schmitz M, Jakobi M, Schneiderhan-Marra N, Klein R, Laske K, Artzner K, Backert L, Schuster H, Schwenck J, Weber ANR, Pichler BJ, Kneilling M, la Fougère C, Forchhammer S, Metzler G, Bauer J, Weide B, Schippert W, Stevanović S, Löffler MW. A new synthetic toll-like receptor 1/2 ligand is an efficient adjuvant for peptide vaccination in a human volunteer. **J Immunother Cancer.** 2019 Nov 15;7(1):307. 9.913 *

201. Schwenck J, Mehling R, Thaiss WM, Kramer D, Menendez IG, Öz HH, Hartl D, Schulze-Osthoff K, Hailfinger S, Ghoreschi K, Quintanilla-Martinez L, Carlsen H, Röcken M, Pichler BJ, Kneilling M. Temporal Dynamics of Reactive Oxygen and Nitrogen Species and NF-κB Activation During Acute and Chronic T Cell-Driven Inflammation. **Mol Imaging Biol.** 2020 Jun;22(3):504-514. 2.790
200. Hoffmann SHL, Reck D, Maurer A, Fehrenbacher B, Sceneay JE, Poxleitner M, Öz HH, Ehrlichmann W, Reischl G, Fuchs K, Schaller M, Hartl D, Kneilling M, Möller A, Pichler BJ, Griessinger CM. Visualization and quantification of in vivo homing kinetics of myeloid-derived suppressor cells in primary and metastatic cancer. **Theranostics** 2019; 9(20):5869-5885. 9.108
199. Steimle A, Michaelis L, Di Lorenzo F, Kliem T, Münzner T, Maerz JK, Schäfer A, Lange A, Parusel R, Gronbach K, Fuchs K, Silipo A, Öz HH, Pichler BJ, Autenrieth IB, Molinaro A, Frick JS. Weak Agonistic LPS Restores Intestinal Immune Homeostasis. **Mol Ther.** 2019 Nov 6;27(11):1974-1991. 7.885
198. Di X, Wölfer M, Amend M, Wehr H, Ionescu TM, Pichler BJ, Biswal BB. Interregional causal influences of brain metabolic activity reveal the spread of aging effects during normal aging. **Hum Brain Mapp.** 2019 Nov 1;40(16):4657-4668. 4.938
197. Walker M, Kuebler L, Goehring CM, Pichler BJ, Herfert K. Imaging SERT Availability in a Rat Model of L-DOPA-Induced Dyskinesia. **Mol Imaging Biol.** 2020 Jun;22(3):634-642. 2.790
196. Bowden GD, Pichler BJ, Maurer A. A Design of Experiments (DoE) Approach Accelerates the Optimization of Copper-Mediated ¹⁸F-Fluorination Reactions of Arylstannanes. **Sci Rep.** 2019 Aug 6;9(1):11370. 4.576
195. Schwenck J, Maurer A, Fehrenbacher B, Mehling R, Knopf P, Mucha N, Haupt D, Fuchs K, Griessinger CM, Bukala D, Holstein J, Schaller M, Menendez IG, Ghoreschi K, Quintanilla-Martinez L, Gutschow M, Laufer S, Reinheckel T, Rocken M, Kalbacher H, Pichler BJ, Kneilling M. Cysteine-type cathepsins promote the effector phase of acute cutaneous delayed-type hypersensitivity reactions. **Theranostics.** 2019; 9(13): 3903–3917. 9.108
194. Beziere N, Fuchs K, Maurer A, Reischl G, Brück J, Ghoreschi K, Fehrenbacher B, Berrio DC, Schenke-Layland K, Kohlhofer U, Quintanilla-Martinez L, Gawaz M, Kneilling M, Pichler B. Imaging fibrosis in inflammatory diseases: targeting the exposed extracellular matrix. **Theranostics.** 2019 Apr 13;9(10):2868-2881. 9.108
193. Herfert K, Mannheim JG, Kuebler L, Marciano S, Amend M, Parl C, Napieczynska H, Maier FM, Vega SC, Pichler BJ. Quantitative Rodent Brain Receptor Imaging. **Mol Imaging Biol.** 2020 Apr;22(2):223-244. 2.790
192. Amend M, Ionescu TM, Di X, Pichler BJ, Biswal BB, Wehr HF. Functional resting-state brain connectivity is accompanied by dynamic correlations of application-dependent [¹⁸F]FDG PET-tracer fluctuations. **Neuroimage.** 2019 Aug 1;196:161-172. 6.682
191. Guenthoer P, Fuchs K, Reischl G, Quintilla-Martinez L; Gonzalez-Menendez I; Laufer S, Pichler BJ, Kneilling M. Evaluation of the therapeutic potential of the selective p38 MAPK inhibitor Skepinone-L and the dual p38/JNK 3 inhibitor LN 950 in experimental K/BxN serum transfer arthritis. **Inflammopharmacology.** 2019 Dec; 27(6):1217-1227. 3.354
190. Mannheim JG, Mamach M, Reder S, Traxl A, Mucha N, Disselhorst JA, Mittelhäuser M, Kuntner C, Thackeray JT, Ziegler S, Wanek T, Bankstahl JP, Pichler BJ. Reproducibility and comparability of preclinical PET imaging data: A multi-center small animal PET study. **J Nucl. Med.** 2019 Oct; 60(10):1483-1491. 6.782
189. Maier FC; Schweifer A, Damaraju VL, Cass CE, Bowden GD, Ehrlichmann W, Kneilling M, Pichler BJ, Hammerschmidt F, Reischl G. 2-Nitroimidazole-Furanoside Derivatives for Hypoxia Imaging-Investigation of Nucleoside Transporter Interaction, ¹⁸F-Labeling and Preclinical PET Imaging. 4.286 *

- Pharmaceuticals.** 2019 Feb 15;12(1). pii: E31.
188. Möhrle D, Hofmeier B, Amend M, Wolpert S, Ni K, Bing D, Klose U, Pichler B, Knipper M, Rüttiger L. Enhanced Central Neural Gain Compensates Acoustic Trauma-induced Cochlear Impairment, but Unlikely Correlates with Tinnitus and Hyperacusis. **Neuroscience.** 2019 May 21;407:146-169. 3.343
187. Griessinger CM, Schmid AM, Sonanini D, Schörg BF, Jarbouli MA, Bukala D, Mucha N, Fehrenbacher B, Steinhilber J, Martella M, Kohlhofer U, Schaller M, Zender L, Rammensee HG, Quantilla-Martinez L, Röcken M, Kneilling M, Pichler BJ. The administration route of tumor-antigen-specific T-helper cells differentially modulates the tumor microenvironment and senescence. **Carcinogenesis.** 2019 Apr 29;40(2):289-302. 4.557
186. Parl C, Kolb A, Stricker-Shaver D, Pichler BJ. Dual layer doi detector modules for a dedicated mouse brain PET/MRI. **Phys Med Biol.** 2019 Feb 20;64(5):055004. 2.985
185. Maurer A, Bowden G, Cotton J, Parl C, Krueger MA, Pichler BJ. Acetuno-A Handy Open-Source Radiochemistry Module for the Preparation of [1-11C] Acetate. **SLAS Technol.** 2019 Jun;24(3):321-329. 2.174
- 2018 184. Nensa F, Bamberg F, Rischpler C, Meneses L, Poeppel TD, la Fougere C, Beitzke D, Rasul S, Loewe C, Nikolaou K, Bucerius J, Kjaer A, Gutberlet J, Prakken NH, Vliegenthart R, Slart RHJA, Nekolla SG, Lassen ML, Pichler BJ, Schlosser T, Jacquier A, Quick HH, Schafers M, Hacker M. European Society of Cardiovascular Radiology (ESCR); European Association of Nuclear Medicine (EANM) Cardiovascular Committee. Hybrid cardiac imaging using PET/MRI: a joint position statement by the European Society of Cardiovascular Radiology (ESCR) and the European Association of Nuclear Medicine (EANM). **Euro Radiol.** 2018 Oct. 28(10): 4086-4101. 3.919
183. Morad HOJ, Wild AM, Wiehr S, Davies G, Maurer A, Pichler BJ, Thornton CR. Pre-clinical Imaging of Invasive Candidiasis Using Immuno PET/MR. **Front Microbiol.** 2018 Aug 23;9:1996. 4.840
182. Mannheim JG, Schmid A, Schwenck J, Katiyar P, Herfert K, Pichler BJ, Disselhorst JA. PET/MRI Hybrid Systems. **Semin. Nucl. Med.** 2018 Jul;48 (4): 332-347. 3.460
181. Sceneay J, Griessinger CM, Hoffmann SHL, Wen SW, Wong CSF, Krumeich S, Kneilling M, Pichler BJ, Möller A. Tracking the fate of adoptively transferred myeloid-derived suppressor cells in the primary breast tumor microenvironment. **PLoS One.** 2018 Apr 20;13(4):e0196040. 3.337
180. Disselhorst JA, Krüger MA, Ud-Dean SMM, Bezrukov I, Jarbouli MA, Trautwein C, Traube A, Spindler C, Cotton JM, Leibfritz D, Pichler BJ. Linking Imaging to Omics utilizing Image Guided Tissue Extraction. **Proc Natl Acad Sci U S A.** 2018 Mar 27;115(13):E2980-E2987. 10.600
179. Napieczynska H, Kolb A, Katiyar P, Tonietto M, Ud-Dean M, Stumm R, Herfert K, Calaminus C, Pichler BJ. Impact of the Arterial Input Function Recording Method on Kinetic Parameters in Small Animal PET. **J Nucl Med.** Jul; 59(7):1159-1164. 6.720
178. Pohl JM, Volke JK, Thiebes S, Brenzel A, Fuchs K, Beziere N, Ehrlichmann W, Pichler BJ, Squire A, Gueller F, Engel DR. CCR2-dependent Gr1high monocytes promote kidney injury in shiga toxin-induced hemolytic uremic syndrome in mice. **Eur J Immunol.** 2018 Jun;48(6):990-1000. 4.373
177. Schmidt F, Kolb A, Pichler BJ. Optimization, evaluation and calibration of a cross-strip DOI detector. **Phys Med Biol.** 2018 Feb 20;63(4):045022. 3.295
176. Connert T, Judenhofer MS, Hülber-J M, Schell S, Mannheim JG, Pichler BJ, Löst C, ElAyouti A. Evaluation of the accuracy of nine electronic apex locators by using Micro-CT. **Int Endod J.** 2018 Feb;51(2):223-232. 3.110

175. Hage C, Gremse F, Griessinger CM, Maurer A, Hoffmann SHL, Osl F, Pichler BJ, Kiessling F, Scheuer W, Pöschinger T. Comparison of the Accuracy of FMT/CT and PET/MRI for the Assessment of Antibody Biodistribution in Squamous Cell Carcinoma Xenografts. **J Nucl Med.** 2018 Jan;59(1):44-50. 6.720
174. Bailey DL, Pichler BJ, Gückel B, Antoch G, Barthel H, Bhujwala ZM, Biskup S, Biswal S, Bitzer M, Boellaard R, Braren RF, Brendle C, Brindle K, Chiti A, la Fougère C, Gillies R, Goh V, Goyen M, Hacker M, Heukamp L, Knudsen GM, Krackhardt AM, Law I, Morris JC, Nikolaou K, Nuyts J, Ordonez AA, Pantel K, Quick HH, Riklund K, Sabri O, Sattler B, Troost EGC, Zaiss M, Zender L, Beyer T. Combined PET/MRI: Global Warming-Summary Report of the 6th International Workshop on PET/MRI, March 27-29, 2017, Tübingen, Germany. **Mol Imaging Biol.** 2018 Feb;20(1):4-20. 2.918
- 2017 173. Schell S, Judenhofer MS, Mannheim JG, Hülber-J M, Löst C, Pichler BJ, ElAyouti A. Validity of longitudinal sections for determining the apical constriction.. **Int Endod J.** 2017 Jul;50(7):706-712. 3.251
172. Napieczynska H, Severin GW, Fonslet J, Wiehr S, Menegakis A, Pichler BJ, Calaminus C. Imaging neuronal pathways with 52Mn PET: Toxicity evaluation in rats. **Neuroimage.** 2017 Sep;158:112-125. 7.079
171. Parl C, Kolb A, Schmid AM, Wehrl HF, Disselhorst JA, Soubiran PD, Stricker-Shaver D, Pichler BJ. A novel optically transparent RF shielding for fully integrated PET/MRI systems. **Phys Med Biol.** 2017 Sep 1;62(18):7357-7378. 3.049
170. Davies G, Rolle AM, Maurer A, Spycher PR, Schillinger C, Solouk-Saran D, Hasenberg M, Weski J, Fonslet J, Dubois A, Boschetti F, Denat F, Gunzer M, Eichner M, Ryder LS, Jensen M, Schibli R, Pichler BJ, Wiehr S, Thornton CR. Towards Translational ImmunoPET/MR Imaging of Invasive Pulmonary Aspergillosis: The Humanised Monoclonal Antibody JF5 Detects Aspergillus Lung Infections In Vivo. **Theranostics.** 2017 Aug 11;7(14):3398-3414. 9.009
169. Thunemann M, Schörg BF, Feil S, Lin Y, Voelkl J, Golla M, Vachaviolos A, Kohlhofer U, Quintanilla-Martinez L, Olbrich M, Ehrlichmann W, Reischl G, Griessinger CM, Langer HF, Gawaz M, Lang F, Schäfers M, Kneilling M, Pichler BJ, Feil R. Cre/lox-assisted noninvasive in vivo tracking and quantification of specific cell populations by positron emission tomography **Nat Commun.** 2017 Sep 5;8(1):444. 13.691
168. Castaneda Vega S, Weinl C, Calaminus C, Wang L, Harant M, Ehrlichmann W, Thiele D, Kohlhofer U, Reischl G, Hempel JM, Ernemann U, Quintanilla Martinez L, Nordheim A, Pichler BJ. Characterization of a novel murine model for spontaneous hemorrhagic stroke using in vivo PET and MR multiparametric imaging. **Neuroimage.** 2017 May 1;155:245-256. 7.079
167. Mannheim JG, Schmid AM, Pichler BJ. Influence of Co-57 and CT Transmission Measurements on the Quantification Accuracy and Partial Volume Effect of a Small Animal PET Scanner. **Mol Imaging Biol.** 2017 Dec;19(6):825-836. 2.906
166. Katiyar P, Divine MR, Kohlhofer U, Quintanilla-Martinez L, Schölkopf B, Pichler BJ, Disselhorst JA. A Novel Unsupervised Segmentation Approach Quantifies Tumor Tissue Populations Using Multiparametric MRI: First Results with Histological Validation. **Mol Imaging Biol.** 2017; 19(3): 391–397. 2.906
165. Hoffmann SHL, Maurer A, Reck DI, Reischl G, Pichler BJ, Kneilling M, Griessinger CM. Murine Lymphocyte Labeling by 64Cu-Antibody Receptor Targeting for In Vivo Cell Trafficking by PET/CT. **J Vis Exp.** 2017 Apr 29;(122) 1.677
164. Katiyar P, Divine MR, Kohlhofer U, Quintanilla-Martinez L, Schölkopf B, Pichler BJ, Disselhorst JA. Spectral Clustering Predicts Tumor Tissue Heterogeneity Using Dynamic 18F-FDG PET: A Complement to the Standard Compartmental Modeling Approach. **J Nucl Med.** 2017 Apr;58(4):651-657. 6.893

163. Haubner R, Schmid AM, Maurer A, Rangger C, Roig LG, Pichler BJ, Virgolini IJ. 2.906
[68Ga]NOTA-Galactosyl Human Serum Albumin. a Tracer for Liver Function Imaging with Improved Stability.
Mol Imaging Biol. 2017 Oct;19(5):723-730.
162. Fuchs K, Kuehn A, Mahling M, Guenthoer P, Hector A, Schwenck J, Hartl D, Laufer S, Kohlhofer U, Quintanilla-Martinez L, Reischl G, Röcken M, Pichler BJ, Kneilling M. 6.893
In vivo hypoxia PET imaging quantifies the severity of arthritic joint inflammation in line with overexpression of HIF and enhanced ROS generation.
J Nucl Med. 2017 May;58(5):853-860
- 2016 161. Maier FC, Schmitt J, Maurer A, Ehrlichmann W, Reischl G, Nikolaou K, Handgretinger R, Pichler BJ, Thaiss WM. 6.368
Correlation between positron emission tomography and Cerenkov luminescence imaging in vivo and ex vivo using 64Cu-labeled antibodies in a neuroblastoma mouse model.
Oncotarget. 2016 Oct 11;7(41):67403-67411
160. Schweifer A, Maier F, Ehrlichmann W, Lamparter D, Kneilling M, Pichler BJ, Hammerschmidt F, Reischl G. 2.318
[18F]Fluoro-azomycin-2'-deoxy-β-d-ribofuranoside - A new imaging agent for tumor hypoxia in comparison with [18F]FAZA.
Nucl Med Biol. 2016 Dec;43(12):759-769.
159. Wiehr S, Rolle AM, Warnke P, Kohlhofer U, Quintanilla-Martinez L, Reischl G, Autenrieth IB, Pichler BJ, Autenrieth SE. 3.394
The Positron Emission Tomography Tracer 3'-Deoxy-3'-[F-18] Fluorothymidine ([F-18]FLT) Is Not Suitable to Detect Tissue Proliferation Induced by Systemic *Yersinia enterocolitica* Infection in Mice.
PLoS One. 2016 Oct; 11(10): e0164163.
158. Bailey DL, Pichler BJ, Gückel B, Barthel H, Beer AJ, Botnar R, Gillies R, Goh V, Gotthardt M, Hicks RJ, Lanzemberger R, la Fougere C, Lentschig M, Nekolla SG, Niederdraenk T, Nikolaou K, Nuyts J, Olego D, Riklund KÅ, Signore A, Schäfers M, Sossi V, Suminski M, Veit-Haibach P, Umutlu L, Wissmeyer M, Beyer T. 2.726
Combined PET/MRI: from Status Quo to Status Go. Summary Report of the Fifth International Workshop on PET/MR Imaging; February 15-19, 2016; Tübingen, Germany.
Mol Imaging Biol. 2016 Oct;18(5):637-50.
157. Eckert F, Schmitt J, Zips D, Krueger MA, Pichler BJ, Gillies SD, Strittmatter W, Handgretinger R, Schilbach K. 4.412
Enhanced binding of necrosis-targeting immunocytokine NHS-IL12 after local tumor irradiation in murine xenograft models.
Cancer Immunol Immunother. 2016;65(8): 1003-13
156. Schmitz J, Schwab J, Schwenck J, Chen Q, Quintanilla-Martinez L, Hahn M, Wietek B, Schwenzer N, Staebler A, Kohlhofer U, Aina OH, Hubbard NE, Reischl G, Borowsky AD, Brucker S, Nikolaou K, La Fougère C, Cardiff RD, Pichler BJ, Schmid AM. 9.826
Decoding intratumoral heterogeneity of breast cancer by multiparametric in vivo imaging: A translational study.
Cancer Res. 2016 Sep 15;76(18):5512-22.
155. Niessner H, Schmitz J, Tabatabai G, Schmid A, Calaminus C, Sinnberg T, Weide B, Eigentler TK, Garbe C, Schitteck B, Quintanilla-Fend L, Bender B, Mai M, Praetorius C, Beissert S, Schackert G, Muders M, Meinhardt M, Baretton GB, Dummer R, Flaherty KT, Pichler BJ, Kulms D, Westphal D, Meier F. 9.250
PI3K pathway inhibition achieves potent antitumor activity in melanoma brain metastases in vitro and in vivo.
Clin Cancer Res. 2016 Dec 1;22(23):5818-5828.
154. Mannheim JG, Schlichthaerle T, Kuebler L, Quintanilla-Martinez L, Kohlhofer U, Kneilling M, Pichler BJ. 2,760
Comparison of small animal CT contrast agents.
Contrast Media Mol Imaging. 2016 Jul;11(4):272-84
153. Chen H; Fajol A; Hoene M; Zhang B; Schleicher ED; Lin Y; Calaminus C; Pichler BJ; Weigert C; Haring HU; Lang F; Foller, M. 10.414
PI3K-resistant GSK3 controls adiponectin formation and protects from metabolic syndrome.
Proc Natl Acad Sci U S A. 2016 May 17, 113(20):5754-9.
152. Honndorf VS, Wiehr S, Rolle AM, Schmitt J, Kreft L, Quintanilla-Martinez L, Kohlhofer U, Reischl G, Maurer A, Boldt K, Schwarz M, Schmidt H, Pichler BJ. 6.368
Preclinical evaluation of the anti-tumor effects of the natural isoflavone genistein in two xenograft mouse models monitored by [18F]FDG, [18F]FLT, and [64Cu]NODAGA-cetuximab small animal PET.
Oncotarget. 2016 May 10;7(19):28247-61.

151. Wiehr S, Warnke P, Rolle AM, Schütz M, Oberhettinger P, Kohlhofer U, Quintanilla-Martinez L, Maurer A, Thornton C, Boschetti F, Reischl G, Autenrieth IB, Pichler BJ, Autenrieth SE. New pathogen-specific immunoPET/MR tracer for molecular imaging of a systemic bacterial infection. **Oncotarget**. 2016 Mar 8;7(10):10990-1001. 6.368
150. Rolle AM, Hasenberg M, Thornton CR, Solouk-Saran D, Männ L, Weski J, Maurer A, Fischer E, Spycher PR, Schibli R, Boschetti F, Stegemann-Koniszewski S, Bruder D, Severin GW, Autenrieth SE, Krappmann S, Davies G, Pichler BJ, Gunzer M, Wiehr S. ImmunoPET/MR imaging allows specific detection of *Aspergillus fumigatus* lung infection in vivo. **Proc Natl Acad Sci U S A**. 2016 Feb 23;113(8):E1026-33. 10.414
149. Divine MR, Katiyar P, Kohlhofer U, Quintanilla-Martinez L, Pichler BJ, Disselhorst JA. A Population-Based Gaussian Mixture Model Incorporating 18F-FDG PET and Diffusion-Weighted MRI Quantifies Tumor Tissue Classes. **J Nucl Med**. 2016 Mar;57(3):473-9. 6.459
148. Walker M, Ehrlichmann W, Stahlschmidt A, Pichler BJ, Fischer K. In Vivo Evaluation of 11C-DASB for Quantitative SERT Imaging in Rats and Mice. **J Nucl Med**. 2016 Jan;57(1):115-21. 6.459
147. Leibrock CB, Alesutan I, Voelkl J, Michael D, Castor T, Kohlhofer U, Quintanilla-Martinez L, Kübler L, Mannheim JG, Pichler BJ, Rosenblatt KP, Kuro-O M, Lang F. Acetazolamide sensitive tissue calcification and aging of klotho-hypomorphic mice. **J Mol Med. (Berl)**. 2016 Jan;94(1):95-106. 4.963
146. Honndorf VS, Schmidt H, Wiehr S, Wehrl HF, Quintanilla-Martinez L, Stahlschmidt A, Barjat H, Emmas SA, Pichler BJ. The Synergistic Effect of Selumetinib/Docetaxel Combination Therapy Monitored by [(18)F]FDG/[(18)F]FLT PET and Diffusion-Weighted Magnetic Resonance Imaging in a Colorectal Tumor Xenograft Model. **Mol Imaging Biol**. 2016 Apr;18(2):249-57. 2.726
- 2015 145. Clemens LE, Weber JJ, Wlodkowski TT, Yu-Taeger L, Michaud M, Calaminus C, Eckert SH, Gaca J, Weiss A, Magg JC, Jansson EK, Eckert GP, Pichler BJ, Bordet T, Pruss RM, Riess O, Nguyen HP. Olesoxime suppresses calpain activation and mutant huntingtin fragmentation in the BACHD rat. **Brain**. 2015 Dec;138(Pt 12):3632-53. 10.545
144. Fahkri H, Zhang B, Fajol A, Hernando N, Elvira B, Mannheim JG, Pichler BJ, Daniel C, Amann K, Hirao A, Haight J, Mak TW, Lang F, Föller M. Checkpoint kinase Chk2 controls renal Cyp27b1 expression, calcitriol formation, and calcium-phosphate metabolism. **Pflugers Arch**. 2015 Sep;467(9):1871-80. 3.760
143. Bailey DL, Pichler BJ, Gückel B, Barthel H, Beer AJ, Bremerich J, Czernin J, Drzezga A, Franzius C, Goh V, Hartenbach M, Iida H, Kjaer A, la Fougère C, Ladefoged CN, Law I, Nikolaou K, Quick HH, Sabri O, Schäfer J, Schäfers M, Wehrl HF, Beyer T. Combined PET/MRI: Multi-modality Multi-parametric Imaging Is Here: Summary Report of the 4th International Workshop on PET/MR Imaging; February 23-27, 2015, Tübingen, Germany. **Mol Imaging Biol**. 2015 Oct;17(5):595-608. 2.467
142. Schilbach K, Alkhaled M, Welker C, Eckert F, Blank G, Ziegler H, Sterk M, Müller F, Sonntag K, Wieder T, Braumüller H, Schmitt J, Eyrich M, Schleicher S, Seitz C, Erbacher A, Pichler BJ, Müller H, Tighe R, Lim A, Gillies SD, Strittmatter W, Röcken M, Handgretinger R. Cancer-targeted IL-12 controls human rhabdomyosarcoma by senescence induction and myogenic differentiation. **Oncoimmunology**. 2015 Mar 19;4(7):e1014760. 6.885
141. Bezrukov I, Schmidt H, Gatidis S, Mantlik F, Schäfer JF, Schwenzer N, Pichler BJ. Quantitative Evaluation of Segmentation- and Atlas-Based Attenuation Correction for PET/MR on Pediatric Patients. **J Nucl Med**. 2015 Jul;56(7):1067-74. 5.795
140. Maier FC, Keller MD, Bukala D, Bender B, Mannheim JG, Brereton IM, Galloway GJ, Pichler BJ. Quantification of beta-amyloidosis and rCBF with dedicated PET, 7 T-MR imaging and high-resolution microscopic MR imaging at 16.4 T in APP23 mice. **J Nuc Med**. 2015 Oct;56(10):1593-9. 5.795

139. Weinkl C, Castaneda Vega S, Riehle H, Stritt C, Calaminus C, Wolburg H, Mauer S, Breithaupt A, Gruber AD, Wasyluk B, Olson EN, Adams RH, Pichler BJ, Nordheim A. Endothelial depletion of murine SRF/MRTF provokes intracerebral hemorrhagic stroke. **Proc Natl Acad Sci U S A**. 2015 Aug 11;112(32):9914-9. 10.285
138. Mahling M, Fuchs K, Thaiss WM, Maier FC, Feger M, Bukala D, Harant M, Eichner M, Reutershan J, Lang F, Reischl G, Pichler BJ, Kneilling M. A comparative pO₂ probe and [18F]-fluoro-azomycinara-furanoside ([18F]FAZA) PET study reveals anesthesia-induced impairment of oxygenation and perfusion in tumor and muscle. **PLoS One**. 2015 Apr 22;10(4):e0124665. 3.535
137. Cristofanon S, Abhari BA, Krueger M, Tchoghandjian A, Momma S, Calaminus C, Vucic D, Pichler BJ, Fulda S. Identification of RIP1 as a critical mediator of Smac mimetic-mediated sensitization of glioblastoma cells for Drozitumab-induced apoptosis. **Cell Death Dis**. 2015 April 16;6:e1724. 5.497
136. Kolb A, Sauter AW, Eriksson LA, Vandenbrouke A, Liu CC, Levin CS, Pichler BJ, Rafecas M. Shine-through in PET/MRI: effects of the magnetic field on positron range and subsequent image artifacts. **J Nucl Med**. 2015 Mar 12;56(6):951-4. 5.795
135. Bailey DL, Antoch G, Bartenstein P, Barthel H, Beer AJ, Bisdas S, Bluemke DA, Boellaard R, Claussen CD, Franzius C, Hacker M, Hricak H, la Fougère C, Gückel B, Nekolla SG, Pichler BJ, Purz S, Quick HH, Sabri O, Sattler B, Schäfer J, Schmidt H, van den Hoff J, Voss S, Weber W, Wehrl HF, Beyer T. Combined PET/MR: The Real Work Has Just Started. Summary Report of the Third International Workshop on PET/MR Imaging; February 17-21, 2014, Tübingen, Germany. **Mol Imaging Biol**. 2015 Feb 12;17(3):297-312. 2.467
134. Wehrl HF, Sauter AW, Divine MR, Pichler BJ. Combined PET/MR: A Technology Becomes Mature. **J Nucl Med**. 2015 Feb;56(2):165-8. 5.795
133. Severin GW, Jørgensen JT, Wiehr S, Rolle AM, Hansen AE, Maurer A, Hasenberg M, Pichler B, Kjær A, Jensen AI. The impact of weakly bound ⁸⁹Zr on preclinical studies: Non-specific accumulation in solid tumors and aspergillus infection. **Nucl Med Biol**. 2015 Apr;42(4):360-8. 2.299
132. Sauter AW, Schwenzler N, Divine MR, Pichler BJ, Pfannenber C. Image-derived biomarkers and multimodal imaging strategies for lung cancer management. **Eur J Nucl Med Mol Imaging**. 2015 Apr;42(4):634-43. 5.145
131. Rolle AM, Soboslay PT, Reischl G, Hoffmann WH, Pichler BJ, Wiehr S. Evaluation of the Metabolic Activity of Echinococcus multilocularis in Rodents Using Positron Emission Tomography Tracers. **Mol Imaging Biol**. 2015 Jan 6;17(4):512-20. 2.467
130. Griessinger CM, Maurer A, Kesenheimer C, Kehlbach R, Reischl G, Ehrlichmann W, Bukala D, Harant M, Cay F, Brück J, Nordin R, Kohlhofer U, Rammensee HG, Quintanilla-Martinez L, Schaller M, Röcken M, Pichler BJ, Kneilling M. ⁶⁴Cu antibody-targeting of the T-cell receptor and subsequent internalization enables in vivo tracking of lymphocytes by PET. **Proc Natl Acad Sci U S A**. 2015 Jan 27;112(4):1161-6. 10.285
129. Schwenck J, Tabatabai G, Skardelly M, Reischl G, Beschorner R, Pichler B, la Fougère C. In vivo visualization of prostate-specific membrane antigen in glioblastoma. **Eur J Nucl Med Mol Imaging**. 2015 Jan;42(1):170-1. 5.145
128. Wehrl HF, Bezrukov I, Wiehr S, Lehnhoff M, Fuchs K, Mannheim JG, Quintanilla-Martinez L, Kohlhofer U, Kneilling M, Pichler BJ, Sauter AW. Assessment of murine brain tissue shrinkage caused by different histological fixatives using magnetic resonance and computed tomography imaging. **Histol Histopathol**. 2015 May;30(5):601-13. 2.059
127. Umbach AT, Zhang B, Daniel C, Fajol A, Velic A, Hosseinzadeh Z, Bhavsar SK, Bock CT, Kandolf R, Pichler BJ, Amann KU, Föllner M, Lang F. Janus kinase 3 regulates 7.839

- renal 25-hydroxyvitamin D 1 α -hydroxylase expression, calcitriol formation, and phosphate metabolism.
Kidney Int. 2015 Apr;87(4):728-37
- 2014 126. Honndorf VS, Schmidt H, Wehrl HF, Wiehr S, Ehrlichmann W, Quintanilla-Martinez L, Barjat H, Ricketts SA, Pichler BJ: Quantitative Correlation at the Molecular Level of Tumor Response to Docetaxel by Multimodal Diffusion-Weighted Magnetic Resonance Imaging and [18F]FDG/[18F]FLT Positron Emission Tomography.
Mol Imaging. 2014 Nov 1;13(0):1-12. 2.643
125. Stricker-Shaver D, Ritt S, Pichler BJ. Novel Calibration Method for Switched Capacitor Arrays Enables Time Measurements With Sub-Picosecond Resolution.
IEEE Trans Nucl Sci. 2014 Nov 20;61(6):3607-3617. 1.378
124. Maier FC, Wehrl HF, Schmid AM, Mannheim JG, Wiehr S, Lerdkrai C, Calaminus C, Stahlschmidt A, Ye L, Burnet M, Stiller D, Sabri O, Reischl G, Staufenbiel M, Garaschuk O, Jucker M, Pichler BJ: Longitudinal PET-MRI reveals β -amyloid deposition and rCBF dynamics and connects vascular amyloidosis to quantitative loss of perfusion.
Nat Med. 2014 Dec;20(12):1485-92. 27.504
123. Schwenck J, Griessinger CM, Fuchs K, Bukala D, Bauer N, Eichner M, Röcken M, Pichler BJ, Kneilling M: In vivo optical imaging of matrix metalloproteinase activity detects acute and chronic contact hypersensitivity reactions and enables monitoring of the antiinflammatory effects of N-acetylcysteine.
Mol Imaging. 2014 Nov 1;13(0):1-12. 2.643
122. Nittka S, Krueger MA, Shively JE, Boll H, Brockmann MA, Doyon F, Pichler BJ, Neumaier M : Radioimmunoimaging of liver metastases with PET using a 64Cu-labeled CEA antibody in transgenic mice.
PLoS One. 2014 Sep 16;9(9):e106921. 3.702
121. Kolb A, Parl C, Mantlik F, Liu CC, Lorenz E, Renker D, Pichler BJ: Development of a novel depth of interaction PET detector using highly multiplexed G-APD cross-strip encoding.
Med Phys. 2014 Aug;41(8):081916. 2.954
120. ElAyouti A, Hülber-J M, Judenhofer MS, Connert T, Mannheim JG, Löst C, Pichler BJ, von Ohle C: Apical constriction: location and dimensions in molars-a micro-computed tomography study.
J Endod. 2014 Aug;40(8):1095-9. 3.586
119. Voelkl J, Pakladok T, Lin Y, Viereck R, Lebedeva A, Kukuk D, Pichler BJ, Alesutan I, Lang F: Up-Regulation of Hepatic Alpha-2-HS-Glycoprotein Transcription by Testosterone via Androgen Receptor Activation.
Cell Physiol Biochem. 2014 Jun 27;33(6):1911-1920. 2.871
118. Armeanu-Ebinger S, Griessinger CM, Herrmann D, Fuchs J, Kneilling M, Pichler BJ, Seitz G: PET/MR Imaging and Optical Imaging of Metastatic Rhabdomyosarcoma in Mice.
J Nucl Med. 2014 Sep;55(9):1545-51 6.280
117. Wimberley CJ, Fischer K, Reilhac A, Pichler BJ, Gregoire MC: A data driven method for estimation of Bavail and appKD using a single injection protocol with [11C]raclopride in the mouse.
Neuroimage. 2014 Oct;99:365-76. 7.289
116. Wehrl HF, Wiehr S, Divine MR, Gatidis S, Gullberg GT, Maier FC, Rolle AM, Schwenck J, Thaiss WM, Pichler BJ: Preclinical and Translational PET/MR Imaging.
J Nucl Med. 2014 May 15;55(Supplement 2):11S-18S. 6.280
115. Disselhorst JA, Bezrukov I, Kolb A, Parl C, Pichler BJ: Principles of PET/MR Imaging.
J Nucl Med. 2014 May 12;55(Supplement 2):2S-10S. 6.280
114. Wehrl HF, Martirosian P, Schick F, Reischl G, Pichler BJ: Assessment of rodent brain activity using combined [15O]H₂O-PET and BOLD-fMRI.
Neuroimage. 2014 Apr 1;89:271-9 7.289

113. Wimberley C, Angelis G, Boisson F, Callaghan P, Fischer K, Pichler B, Meikle SR, Grégoire MC, Reilhac A: Simulation-based optimisation of the PET data processing for Partial Saturation Approach protocols. **Neuroimage**. 2014 Aug 15;97:29-40. 7.289
112. Bailey DL, Barthel H, Beuthin-Baumann B, Beyer T, Bisdas S, Boellaard R, Czernin J, Drzezga A, Ernemann U, Franzius C, Gückel B, Handgretinger R, Hartenbach M, Hellwig D, Helen Nadel H, Nekolla SG, Pfluger T, Pichler BJ, Quick HH, Sabri O, Sattler B, Schäfer J, Schick F, Siegel BA, Schlemmer HP, Schwenger NF, van den Hoff J, Veit-Haibach P, Wehrl HF: Combined PET/MR: Where are we now? Summary Report of the Second International Workshop on PET/MR Imaging April 8-12, 2013, Tübingen, Germany **Mol Imaging Biol**. 2014 Jun;16(3):295-310. 2.764
111. Wiehr S, Bühler P, Gierschner D, Wolf P, Rolle AM, Kesenheimer C, Pichler BJ, Elsässer-Beile U.: Pharmacokinetics and PET imaging properties of two recombinant anti-PSMA antibody fragments in comparison to their parental antibody. **Prostate**. 2014 May;74(7):743-55 3.474
110. Gawaz M, Vogel S, Pfannenbergl C, Pichler B, Langer H, Bigalke B: Implications of glycoprotein VI for theranostics. **Thromb Haemost**. 2014 Feb 20;112(1). 4.451
109. Probst S, Wiehr S, Mantlik F, Schmidt H, Kolb A, Münch P, Delcuratolo M, Stubenrauch F, Pichler BJ, Iftner T.: Evaluation of positron emission tomographic tracers for imaging of papillomavirus-induced tumors in rabbits. **Mol Imaging**. 2014 Jan 1;13(1):1-9 2.643
108. Griessinger CM, Kehlbach R, Bukala D, Wiehr S, Bantleon R, Cay F, Schmid A, Braumüller H, Fehrenbacher B, Schaller M, Eichner M, Sutcliffe JL, Ehrlichmann W, Eibl O, Reischl G, Cherry SR, Röcken M, Pichler BJ, Kneilling M: In Vivo Tracking of Th1 Cells by PET Reveals Quantitative and Temporal Distribution and Specific Homing in Lymphatic Tissue. **J Nucl Med**. 2014 Feb;55(2):301-7 6.280
107. Schmidt H, Schwenger NF, Bezrukov I, Mantlik F, Kolb A, Kupferschläger J, Pichler BJ: On the Quantification Accuracy, Homogeneity, and Stability of Simultaneous Positron Emission Tomography/Magnetic Resonance Imaging Systems. **Invest Radiol**. 2014 Jun;49(6):373-81 4.418
- 2013 106. Bezrukov I, Schmidt H, Mantlik F, Schwenger N, Brendle C, Schölkopf B, Pichler BJ. MR-Based Attenuation Correction Methods for Improved PET Quantification in Lesions Within Bone and Susceptibility Artifact Regions. **J Nucl Med**. 2013 Oct;54(10):1768-74 6.119
105. Wehrl HF, Hossain M, Lankes K, Liu C-C, Bezrukov I, Martirosian P, Schick F, Reischl G, Pichler BJ: Simultaneous PET/MR reveals Brain Function in Activated and Resting State on Metabolic, Hemodynamic and Multiple Temporal Scales. **Nat Med**. 2013 Sep;19(9):1184-9 26.501
104. Bareiss PM, Paczulla A, Wang H, Schairer R, Wiehr S, Kohlhofer U, Rothfuss OC, Fischer A, Perner S, Staebler A, Wallwiener D, Fend F, Fehm T, Pichler B, Kanz L, Quintanilla-Martinez L, Schulze-Osthoff K, Essmann F, Lengerke C: SOX2 Expression Associates with Stem Cell State in Human Ovarian Carcinoma. **Cancer Res**. 2013 Sep 1;73(17):5544-55 8.958
103. Fuchs K, Kukuk D, Mahling M, Quintanilla-Martinez L, Reischl G, Reutershan J, Lang F, Röcken M, Pichler BJ, Kneilling M: Impact of Anesthetics On 3'-[18F]Fluoro-3'-Deoxythymidine ([18F]FLT) Uptake in Animal Models of Cancer and Inflammation. **Mol Imaging**. 2013 Aug 1;12(5):277-87. 2.870
102. Kelp A, Koeppen AH, Petrasch-Parwez E, Calaminus C, Bauer C, Portal E, Yu-Taeger L, Pichler B, Bauer P, Riess O, Nguyen HP: A novel transgenic rat model for spinocerebellar ataxia type 17 recapitulates neuropathological changes and supplies in vivo imaging biomarkers. **J Neurosci**. 2013 May 22;33(21):9068-81. 7.648
101. Bailey DL, Barthel H, Beyer T, Boellaard R, Gückel B, Hellwig D, Herzog H, Pichler BJ, Quick HH, Sabri O, Scheffler K, Schlemmer HP, Schwenger NF, Wehrl HF: 2.854

- Summary Report of the First International Workshop on PET/MR Imaging, March 19-23, 2012, Tübingen, Germany.
Mol Imaging Biol. 2013 Aug;15(4):361-71
100. Wiehr S, von Ahnen O, Röse L, Mueller A, Mannheim JG, Honndorf V, Kukuk D, Reischl G, Pichler BJ: Preclinical Evaluation of a Novel c-Met Inhibitor in a Gastric Cancer Xenograft Model Using Small Animal PET. 2.854
Mol Imaging Biol. 2013 Apr;15(2):203-11.
99. Schmid A, Braumüller H, Wehrl HF, Röcken M, Pichler BJ: Non-invasive Monitoring of Pancreatic Tumor Progression in the RIP1-Tag2 Mouse by Magnetic Resonance Imaging. 2.854
Mol Imaging Biol. 2013 Apr;15(2):186-93.
98. Schmid A, Schmitz J, Mannheim JG, Maier FC, Fuchs K, Wehrl HF, Pichler BJ: Feasibility of Sequential PET/MRI Using a State-of-the-Art Small Animal PET and a 1 T Benchtop MRI. 2.854
Mol Imaging Biol. 2013 Apr;15(2):155-65.
97. Singh Y, Braeuning A, Schmid A, Pichler BJ, Schwarz M: Selective poisoning of Ctnnb1-mutated hepatoma cells in mouse liver tumors by a single application of acetaminophen. 4.410
Arch Toxicol. 2013 Aug;87(8):1595-607.
96. Sauter AW, Schmidt H, Mantlik F, Kolb A, Federmann B, Pfannenbergs C, Reimold M, Pichler BJ, Bethge W, Horger MS: Imaging Findings and Therapy Response Monitoring in Chronic Sclerodermitous Graft-Versus-Host Disease: Preliminary Data of a Simultaneous PET/MRI Approach. 2.970
Clin Nucl Med. 2013 Aug;38(8):e309-17
95. Nuber S, Harmuth F, Kohl Z, Adame A, Trejo M, Schöning K, Zimmermann F, Bauer C, Casadei N, Giel C, Calaminus C, Pichler BJ, Jensen PH, Müller CP, Amato D, Kornhuber J, Teismann P, Yamakado H, Takahashi R, Winkler J, Masliah E, Riess O: A progressive dopaminergic phenotype associated with neurotoxic conversion of α -synuclein in BAC-transgenic rats. 10.846
Brain. 2013 Feb;136(Pt 2):412-32.
94. Wehrl HF, Schwab J, Hasenbach K, Reischl G, Tabatabai G, Quintanilla-Martinez L, Jiru F, Chughtai K, Kiss A, Cay F, Bukala D, Heeren RMA, Pichler BJ, Sauter AW: Multimodal Elucidation of the Choline Metabolism in a Murine Glioma Model using Magnetic Resonance Spectroscopy and 11C-choline Positron Emission Tomography. 8.958
Cancer Res. 2013 Mar 1;73(5):1470-1480
93. Herrmann S, Pichler B, Kotzerke J. Preclinical Research - Seal of Approval for translational Medicine. 1.115
Nuklearmedizin. 2013 Dec 13;52(6):N53-4.
92. Bezrukov I, Mantlik F, Schmidt H, Schölkopf B, Pichler BJ: MR-Based PET Attenuation Correction for PET/MR Imaging. 3.549
Semin Nucl Med. 2013 Jan;43(1):45-59
91. Fuchs K, Kohlhofer U, Quintanilla-Martinez L, Lamparter D, Kötter I, Reischl G, Röcken M, Pichler BJ, Kneilling M: In Vivo Imaging of Cell Proliferation Enables the Detection of the Extent of Experimental Rheumatoid Arthritis by 3'-Deoxy-3'-18F-Fluorothymidine and Small-Animal PET. 6.119
J Nucl Med. 2013 Jan;54(1):151-8.
- 2012 90. Pathare G, Föller M, Michael D, Walker B, Hierlmeier M, Mannheim JG, Pichler BJ, Lang F: Enhanced FGF23 Serum Concentrations and Phosphaturia in Gene Targeted Mice Expressing WNK-Resistant Spak. 1.623
Kidney Blood Press Res. 2012 Dec 12;36(1):355-364.
89. Stegger L, Martirosian P, Schwenzer N, Bisdas S, Kolb A, Pfannenbergs C, Claussen CD, Pichler B, Schick F, Boss A: Simultaneous PET/MR imaging of the brain: feasibility of cerebral blood flow measurements with FAIR-TrueFISP arterial spin labeling MRI. 1.454
Acta Radiol. 2012 Nov 1;53(9):1066-72.
88. Yu-Taeger L, Petrasch-Parwez E, Osmand AP, Redensek A, Metzger S, Clemens LE, Park L, Howland D, Calaminus C, Gu X, Pichler B, Yang XW, Riess O, Nguyen HP: A

- Novel BACHD Transgenic Rat Exhibits Characteristic Neuropathological Features of Huntington Disease.
J Neurosci. 2012 Oct 31;32(44):15426-38.
87. Lettfuss NY, Fischer K, Sossi V, Pichler BJ, von Ameln-Mayerhofer A: Imaging DA release in a rat model of L-DOPA-induced dyskinesias: A longitudinal in vivo PET investigation of the antidyskinetic effect of MDMA.
Neuroimage. 2012 Oct 15;63(1):423-33. 7.063
86. Kolb A, Wehrl HF, Hofmann M, Judenhofer MS, Eriksson L, Ladebeck R, Lichy MP, Byars L, Michel C, Schlemmer HP, Schmand M, Claussen CD, Sossi V, Pichler BJ: Technical performance evaluation of a human brain PET/MRI system.
Eur Radiol. 2012 Aug;22(8):1776-88. 3.557
85. Mannheim JG, Judenhofer MS, Schmid A, Tillmanns J, Stiller D, Sossi V, Pichler BJ: Quantification accuracy and partial volume effect in dependence of the attenuation correction of a state-of-the-art small animal PET scanner.
Phys Med Biol. 2012 Jun 21;57(12):3981-93. 1.920
84. Wachter B, Schürger S, Schmid A, Gröger A, Sadler R, Speidel A, Rolinger J, Pichler BJ, Berg D, Wagner HJ, von Ameln-Mayerhofer A, Küppers E: 6-Hydroxydopamine leads to T2 hyperintensity, decreased claudin-3 immunoreactivity and altered aquaporin 4 expression in the striatum.
Behav Brain Res. 2012 Jun 15;232(1):148-58. 3.674
83. Fuchs K, Kukuk D, Reischl G, Föller M, Eichner M, Reutershan J, Lang F, Röcken M, Pichler BJ, Kneilling M: Oxygen breathing affects 3'-deoxy-3'-18F-fluorothymidine uptake in mouse models of arthritis and cancer.
J Nucl Med. 2012 May;53(5):823-30. 6.402
82. Grundmann K, Glöckle N, Martella G, Sciamanna G, Hauser TK, Yu L, Castaneda S, Pichler B, Fehrenbacher B, Schaller M, Nuscher B, Haass C, Hettich J, Yue Z, Nguyen HP, Pisani A, Riess O, Ott T: Generation of a novel rodent model for DYT1 dystonia.
Neurobiol Dis. 2012 Jul;47(1):61-74. 5.482
81. Hasenbach K, Wiehr S, Herrmann C, Mannheim J, Cay F, von Kürthy G, Bolmont T, Grathwohl SA, Weller M, Lengerke C, Pichler BJ, Tabatabai G: Monitoring the glioma tropism of bone marrow-derived progenitor cells by 2-photon laser scanning microscopy and positron emission tomography.
Neuro Oncol. 2012 Apr;14(4):471-81. 5.947
80. Schmid A, Rignall B, Pichler BJ, Schwarz M: Quantitative Analysis of the Growth Kinetics of Chemically-Induced Mouse Liver Tumors by Magnetic Resonance Imaging.
Toxicol Sci. 2012 Mar;126(1):52-9. 4.836
79. Hölscher M, Schäfer K, Krull S, Farhat K, Hesse A, Silter M, Lin Y, Pichler BJ, Thistlethwaite P, El Armouche A, Maier LS, Katschinski DM, Ziesenis A: Unfavorable consequences of chronic cardiac HIF-1 α stabilization.
Cardiovasc Res. 2012 Apr 1;94(1):77-86. 6.113
78. Voelkl J, Lin Y, Alesutan I, Ahmed MS, Pasham V, Mia S, Gu S, Feger M, Saxena A, Metzler B, Kuhl D, Pichler BJ, Lang F: Sgk1 sensitivity of Na(+)/H (+) exchanger activity and cardiac remodeling following pressure overload.
Basic Res Cardiol. 2012 Mar;107(2):236. 5.362
77. Fischer K, Sossi V, Von Ameln-Mayerhofer A, Reischl G, Pichler BJ: In vivo quantification of dopamine transporters in mice with unilateral 6-OHDA lesions using [(11)C]methylphenidate and PET.
Neuroimage. 2012 Feb 1;59(3):2413-22. 7.063
76. Bigalke B, Lindemann S, Schönberger T, Pohlmeier I, Chiribiri A, Schuster A, Botnar RM, Griessinger CM, Pichler BJ, Gawaz M.: Ex vivo imaging of injured arteries in rabbits using fluorescence-labelled glycoprotein VI-Fc.
Platelets. 2012;23(1):1-6. 2.391
75. Keen H, Pichler B, Kukuk D, Duchamp O, Raguin O, Shannon A, Whalley N, Jacobs V, Bales J, Gingles N, Ricketts SA, Wedge SR: An Evaluation of 2-deoxy-2-[(18)F]Fluoro-D-Glucose and 3'-deoxy-3'-[(18)F]-Fluorothymidine Uptake in Human Tumor Xenograft Models. 3.084

- Mol Imaging Biol.** 2012 Jun;14(3):355-65.
- 2011
74. Maier FC, Kneilling M, Reischl G, Cay F, Bukala D, Schmid A, Judenhofer MS, Rocken M, Machulla HJ, Pichler BJ: Significant impact of different oxygen breathing conditions on noninvasive in vivo tumor-hypoxia imaging using [¹⁸F]-fluoro-azomycinarabino-furanoside ([¹⁸F]FAZA). **Radiat Oncol.** 2011 Nov 25;6:165. 2.435
 73. Elayouti A, Dima E, Judenhofer MS, Löst C, Pichler BJ: Increased apical enlargement contributes to excessive dentin removal in curved root canals: a stepwise microcomputed tomography study. **J Endod.** 2011 Nov;37(11):1580-4. 2.999
 72. Kukuk D, Reischl G, Raguin O, Wiehr S, Judenhofer MS, Calaminus C, Honndorf VS, Quintanilla-Martinez L, Schönberger T, Duchamp O, Machulla HJ, Pichler BJ: Assessment of PET Tracer Uptake in Hormone-Independent and Hormone-Dependent Xenograft Prostate Cancer Mouse Models. **J Nucl Med.** 2011 Oct;52(10):1654-63. 6.527
 71. Hofmann M, Bezrukov I, Mantlik F, Aschoff P, Steinke F, Beyer T, Pichler BJ, Schölkopf B: MRI-Based Attenuation Correction for Whole-Body PET/MRI: Quantitative Evaluation of Segmentation- and Atlas-Based Methods. **J Nucl Med.** 2011 Sep;52(9):1392-9. 6.527
 70. Fischer K, Sossi V, Schmid A, Thunemann M, Maier FC, Judenhofer MS, Mannheim JG, Reischl G, Pichler BJ: Noninvasive nuclear imaging enables the in vivo quantification of striatal dopamine receptor expression and raclopride affinity in mice. **J Nucl Med.** 2011 Jul;52(7):1133-41. 6.527
 69. Bigalke B, Pohlmeier I, Schönberger T, Griessinger CM, Ungerer M, Botnar RM, Pichler BJ, Gawaz M.: Imaging of injured and atherosclerotic arteries in mice using fluorescence-labeled glycoprotein VI-Fc. **Eur J Radiol.** 2011 Aug;79(2):e63-9. 2.617
 68. Föller M, Kempe DS, Boini KM, Pathare G, Siraskar B, Capuano P, Alesutan I, Sopjani M, Stange G, Mohebbi N, Bhandaru M, Ackermann TF, Judenhofer MS, Pichler BJ, Biber J, Wagner CA, Lang F: PKB/SGK-Resistant GSK3 Enhances Phosphaturia and Calciuria. **J Am Soc Nephrol.** 2011 May;22(5):873-80. 8.306
 67. 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.** 2011 Jul;38(7):1303-12. 4.756
 66. Bhandaru M, Kempe DS, Rotte A, Capuano P, Pathare G, Sopjani M, Alesutan I, Tyan L, Huang DY, Siraskar B, Judenhofer MS, Stange G, Pichler BJ, Biber J, Quintanilla-Martinez L, Wagner CA, Pearce D, Föller M, Lang F: Decreased bone density and increased phosphaturia in gene-targeted mice lacking functional serum- and glucocorticoid-inducible kinase 3. **Kidney Int.** 2011 Jul;80(1):61-7. 6.341
 65. Sauter A, Kolb A, Soekler M, Reimold M, Schwenzler N, Pfannenbergs C, Claussen C, Pichler B, Horger M: Letter to the editor re: molecular imaging in oncology: the acceptance of PET/CT and the emergence of MR/PET imaging. **Eur Radiol.** 2011 Aug;21(8):1709-12. 3.321
 64. Boss A, Stegger L, Bisdas S, Kolb A, Schwenzler N, Pfister M, Claussen CD, Pichler BJ, Pfannenbergs C: Feasibility of simultaneous PET/MR imaging in the head and upper neck area. **Eur Radiol.** 2011 Jul;21(7):1439-46. 3.321
 63. Mantlik F, Hofmann M, Werner MK, Sauter A, Kupferschläger J, Schölkopf B, Pichler BJ, Beyer T: The effect of patient positioning aids on PET quantification in PET/MR imaging. **Eur J Nucl Med Mol Imaging.** 2011 May;38(5):920-9. 4.756
 62. Thorwarth D, Henke G, Müller AC, Reimold M, Beyer T, Boss A, Kolb A, Pichler B, Pfannenbergs C: Simultaneous (68)Ga-DOTATOC-PET/MRI for IMRT Treatment Planning for Meningioma: First Experience. 4.370

61. Wehrl HF, Judenhofer MS, Thielscher A, Martirosian P, Schick F, Pichler BJ: Assessment of MR compatibility of a PET insert developed for simultaneous multiparametric PET/MR imaging on an animal system operating at 7 T. **Magn Reson Med.** 2011 Jan;65(1):269-79. 3.724
- 2010 60. Sauter AW, Wehrl HF, Kolb A, Judenhofer MS, Pichler BJ: Combined PET/MRI: one step further in multimodality imaging. **Trends Mol Med.** 2010 Nov;16(11):508-15. 9.187
59. Braunstein KE, Eschbach J, Róna-Vörös K, Soylu R, Mikrouli E, Larmet Y, René F, Gonzalez De Aguilar JL, Loeffler JP, Müller HP, Bucher S, Kaulisch T, Niessen HG, Tillmanns J, Fischer K, Schwalenstöcker B, Kassubek J, Pichler B, Stiller D, Petersen A, Ludolph AC, Dupuis L. A point mutation in the dynein heavy chain gene leads to striatal atrophy and compromises neurite outgrowth of striatal neurons. **Hum Mol Genet.** 2010 Nov 15;19(22):4385-98. 8.145
58. Zieker D, Königsrainer I, Weinreich J, Beckert S, Glatzle J, Nieselt K, Bühler S, Löffler M, Gaedcke J, Northoff H, Mannheim JG, Wiehr S, Pichler BJ, von Weyhern C, Brücher BL, Königsrainer A: Phosphoglycerate kinase 1 promoting tumor progression and metastasis in gastric cancer - detected in a tumor mouse model using positron emission tomography/magnetic resonance imaging. **Cell Physiol Biochem.** 2010;26(2):147-54. 3.276
57. Alt K, Wiehr S, Ehrlichmann W, Reischl G, Wolf P, Pichler BJ, Elsässer-Beile U, Bühler P: High-resolution animal PET imaging of prostate cancer xenografts with three different (64)Cu-labeled antibodies against native cell-adherent PSMA. **Prostate.** 2010 Sep 15;70(13):1413-21., 2010 3.161
56. Büscher K, Judenhofer MS, Kuhlmann MT, Hermann S, Wehrl HF, Schäfers KP, Schäfers M, Pichler BJ, Stegger L: Isochronous assessment of cardiac metabolism and function in mice using hybrid PET/MRI. **J Nucl Med.** 2010 Aug;51(8):1277-84. 6.766
55. Boss A, Bisdas S, Kolb A, Hofmann M, Ernemann U, Claussen CD, Pfannenbergs C, Pichler BJ, Reimold M, Stegger L: Hybrid PET/MRI of intracranial masses: initial experiences and comparison to PET/CT. **J Nucl Med.** 2010 Aug;51(8):1198-205. 6.766
54. Hübner C, Wiehr S, Kocherscheidt L, Wehrl H, Pichler BJ, Schmid A, Kern P, Soboslay PT: Effects of in vitro exposure of Echinococcus multilocularis metacestodes to cytostatic drugs on in vivo growth and proliferation of the parasite. **Parasitol Res.** 2010 Jul;107(2):459-63. 1.723
53. Boss A, Kolb A, Hofmann M, Bisdas S, Nägele T, Ernemann U, Stegger L, Rossi C, Schlemmer HP, Pfannenbergs C, Reimold M, Claussen CD, Pichler BJ, Klose U: Diffusion tensor imaging in a human PET/MR hybrid system. **Invest Radiol.** 2010 May;45(5):270-4. 4.330
52. Kempe DS, Ackermann TF, Boini KM, Klaus F, Umbach AT, Dörmaku-Sopjani M, Judenhofer MS, Pichler BJ, Capuano P, Stange G, Wagner CA, Birnbaum MJ, Pearce D, Föller M, Lang F: Akt2/PKCb β -sensitive regulation of renal phosphate transport. **Acta Physiol (Oxf).** 2010 Sep;200(1):75-85. 3.068
51. 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.** 2010 Apr 7;55(7):1815-32. 3.129
50. Pichler BJ, Kolb A, Nägele T, Schlemmer HP: PET/MRI: Paving the Way for the Next Generation of Clinical Multimodality Imaging Applications. **J Nucl Med.** 2010 Mar;51(3):333-6. 6.766
49. Wehrl HF, Sauter AW, Judenhofer MS, Pichler BJ: Combined PET/MR Imaging – Technology and Applications. **Technol Cancer Res Treat.** 2010 Feb;9(1):5-20. 2.489
48. Nuber S, Franck T, Wolburg H, Schumann U, Casadei N, Fischer K, Calaminus C, Pichler BJ, Chanarat S, Teismann P, Schulz JB, Luft AR, Tomiuk J, Wilbertz J, Bornemann A, Krüger R, Riess O: Transgenic overexpression of the alpha-synuclein

- interacting protein synphilin-1 leads to behavioral and neuropathological alterations in mice.
Neurogenetics. 2010 Feb;11(1):107-20.
47. Bisdas S, Nägele T, Schlemmer HP, Boss A, Claussen CD, Pichler BJ, Ernemann U: 3.413
Switching on the Lights for Real-Time Multimodality Tumor Neuroimaging: The
Integrated Positron-Emission Tomography/MR Imaging System.
AJNR Am J Neuroradiol. 2010 Apr;31(4):610-4.
- 2009 46. Kneilling M, Mailhammer R, Hültner L, Schönberger T, Fuchs K, Schaller M, Bukala 9.900
D, Massberg S, Sander CA, Eichner M, Maier KL, Hallmann R, Pichler BJ, Haubner
R, Gawaz M, Pfeffer K, Biedermann T, Röcken M: Direct Crosstalk between Mast
Cell-TNF and TNFR1-expressing Endothelia Mediates Local Tissue Inflammation.
Blood. 2009 Aug 20;114(8):1696-706.
45. Daldrup-Link HE, Mohanty A, Cuenod C, Pichler BJ, Link T: New perspectives on 1.620
bone marrow contrast agents and molecular imaging.
Semin Musculoskelet Radiol. 2009 Jun;13(2):145-56.
44. Schlemmer HP, Bares R, Claussen CD, Pichler BJ: Molecular Imaging. 0.482
Dtsch Med Wochenschr. 2009 May;134(19):1000-5.
43. Elsässer-Beile U, Reischl G, Wiehr S, Bühler P, Wolf P, Alt K, Shively J, Judenhofer 6.087
MS, Machulla HJ, Pichler BJ: PET imaging of prostate cancer xenografts with a highly
specific antibody against the prostate specific membrane antigen.
J Nucl Med. 2009 Apr;50(4):606-11.
42. Wehrl HF, Judenhofer MS, Wiehr S, Pichler BJ: Pre-clinical PET/MR: technological 4.264
advances and new perspectives in biomedical research.
Eur J Nucl Med Mol Imaging. 2009 Mar;36 Suppl 1:S56-68.
41. Hofmann M, Pichler BJ, Schölkopf B, Beyer T: Towards quantitative PET/MRI: a 4.264
review of MR-based attenuation correction techniques.
Eur J Nucl Med Mol Imaging. 2009 Mar;36 Suppl 1:S93-104.
40. Beyer T, Pichler BJ: A decade of combined imaging: from a PET attached to a CT to 4.264
a PET inside an MR.
Eur J Nucl Med Mol Imaging. 2009 Mar;36 Suppl 1:S1-2.
39. Schlemmer HPW, Pichler BJ, Krieg R, Heiss WD. An integrated MR/PET system: 1.794
prospective applications.
Abdom Imaging. 2009 Nov;34(6):668-74.
- 2008 38. Boss A, Oppitz M, Wehrl HF, Rossi C, Feuerstein M, Claussen CD, Drews U, Pichler 3.041
BJ, Schick F: Measurement of T1, T2, and Magnetization Transfer Properties During
Embryonic Development at 7 Tesla Using the Chicken Model.
J Magn Reson Imaging. 2008 Dec;28(6):1510-4.
37. Hofmann M, Steinke F, Scheel V, Charpiat G, Farquhar J, Aschoff P, Brady M, 6.282
Schölkopf B, Pichler BJ: MRI-Based Attenuation Correction for PET/MRI: A Novel
Approach Combining Pattern Recognition and Atlas Registration.
J Nucl Med. 2008 Nov;49(11):1875-83.
36. Wieder T, Braumüller H, Kneilling M, Pichler BJ, Röcken M: T cell-mediated help 4.120 *
against tumors.
Cell Cycle. 2008 Oct;7(19):2974-7.
35. Schlemmer HPW, Pichler BJ, Schmand M, Burbar Z, Michel C, Ladebeck R, Jattke 6.634
K, Townsend D, Nahmias C, Jacob PK, Heiss W-D, Claussen CD: Simultaneous
MR/PET Imaging of the Human Brain: Feasibility Study.
Radiology. 2008 Sep;248(3):1028-35.
34. Pichler BJ, Wehrl HF, Judenhofer MS: Latest advances in molecular imaging 6.282
instrumentation.
J Nucl Med. 2008 Jun;49 Suppl 2:5S-23S.
33. Langer HF, Haubner R, Pichler BJ, Gawaz M: Radionuclide imaging: A molecular key 10.918
to the atherosclerotic plaque.
J Am Coll Cardiol. 2008 Jul 1;52(1):1-12.

32. Schönberger T, Siegel-Axel D, Bußl R, Richter S, Judenhofer MS, Haubner R, Reischl G, Klingel K, Münch G, Seizer P, Pichler BJ, Gawaz M: The immunoadhesin glycoprotein VI-Fc regulates arterial remodeling after mechanical injury in ApoE^{-/-} mice.
Cardiovasc Res. 2008 Oct 1;80(1):131-7. 5.581
31. Rehfeld NS, Heismann BJ, Kupferschläger J, Aschoff P, Christ G, Pfannenberg AC, Pichler BJ: Single and dual energy attenuation correction in PET/CT in the presence of iodine based contrast agents.
Med Phys. 2008 May;35(5):1959-69. 4.072
30. Müller-Hermelink* N, Braumüller* H, Pichler* BJ, Wieder T, Mailhammer R, Schaak K, Ghoreschi K, Yazdi A, Haubner R, Sander CA, Mocikat R, Schwaiger M, Förster I, Huss R, Weber WA, Kneilling M, Röcken M: TNFR1 signaling and IFN-gamma signaling determine whether T cells induce tumor dormancy or promote multistage carcinogenesis.
Cancer Cell. 2008 Jun;13(6):507-18 (*contributed equally) 23.332
29. Sutton EJ, Henning TD, Pichler BJ, Bremer C, Daldrup-Link HE: Cell tracking with optical imaging.
Eur Radiol. 2008 Oct;18(10):2021-32. 3.099
28. Föllner M, Feil S, Ghoreschi K, Koka S, Gerling A, Thunemann M, Hofmann F, Schuler B, Vogel J, Pichler BJ, Kasinathan RS, Nicolay JP, Huber SM, Lang F, Feil R: Anemia and splenomegaly in cGKI-deficient mice.
Proc Natl Acad Sci U S A. 2008 May 6;105(18):6771-6. 10.228
27. Schulz C, Penz S, Hoffmann C, Langer H, Gillitzer A, Schneider S, Brandl R, Seidl S, Massberg S, Pichler BJ, Kremmer E, Stellos K, Schönberger T, Siess W, Gawaz M: Platelet GPVI binds to collagenous structures in the core region of human atheromatous plaque and is critical for atheroprogession in vivo.
Basic Res Cardiol. 2008 Jul;103(4):356-67. 4.443
26. Pichler BJ, Wehrl HF, Kolb A, Judenhofer MS: Positron emission tomography/magnetic resonance imaging: the next generation of multimodality imaging?
Semin Nucl Med. 2008 May;38(3):199-208 4.933
25. Judenhofer MS, Wehrl HF, Newport DF, Catana C, Siegel SB, Becker M, Thielscher A, Kneilling M, Lichy M, Eichner M, Klingel K, Reischl G, Widmaier S, Röcken M, Nutt RE, Machulla HJ, Uludag K, Cherry SR, Claussen CD, Pichler BJ: Simultaneous PET/MRI: A new approach for functional and morphological imaging.
Nat Med. 2008 Apr;14(4):459-65. 28.965
24. Pichler BJ, Judenhofer MS, Wehrl HF: PET/MRI hybrid imaging: devices and initial results.
Eur Radiol. 2008 Jun;18(6):1077-86. 3.099
23. Nuber S, Petrasch-Parwez E, Winner B, Winkler J, von Hörsten S, Schmidt T, Boy J, Kuhn M, Nguyen HP, Teismann P, Schulz JB, Neumann M, Pichler BJ, Reischl G, Holzmann C, Schmitt I, Bornemann A, Kuhn W, Zimmermann F, Servadio A, Riess O: Neurodegeneration and motor dysfunction in a conditional model of Parkinson's disease.
J Neurosci. 2008 Mar 5;28(10):2471-84. 8.122
22. Catana C, Procissi D, Wu Y, Judenhofer MS, Qi J, Pichler BJ, Jacobs RE, Cherry SR: Simultaneous in vivo positron emission tomography and magnetic resonance imaging.
Proc Natl Acad Sci U S A. 2008 Mar 11;105(10):3705-10. 10.369
- 2007 21. Angstenberger M, Wegerner JW, Pichler BJ, Judenhofer MS, Feil S, Alberti S, Feil R, Nordheim A: Severe intestinal obstruction upon induced smooth muscle-specific ablation of the transcription factor SRF in adult mice.
Gastroenterology. 2007 Dec;133(6):1948-59. 12.424
20. Probst J, Weide B, Scheel B, Pichler BJ, Hoerr I, Rammensee HG, Pascolo S: The spontaneous cellular uptake of exogenous messenger RNA in vivo is nucleic acid-specific, saturable and ion-dependent.
Gene Ther. 2007 Aug;14(15):1175-80. 4.353

19. Alavi M, Bette S, Schimpf S, Schuettauf F, Schraermeyer U, Wehrl HF, Rüttiger L, Beck SC, Tonagel F, Pichler BJ, Knipper M, Peters T, Laufs J, Wissinger B: A splice site mutation in the murine Opa1 gene features pathology of autosomal dominant optic atrophy. **Brain**. 2007 Apr;130(Pt 4):1029-42. 9.460
18. Judenhofer MS, Catana C, Swann BK, Siegel SB, Jung WI, Nutt RE, Cherry SR, Claussen CD, Pichler BJ: PET/MR images, acquired with a compact MRI compatible PET detector in a 7 Tesla magnet. **Radiology**. 2007 Sep;244(3):807-14. 6.275
17. Kneilling* M, Hültner*L, Pichler *BJ, Mailhammer R, Morawietz L, Solomon S, Eichner M, Sabatino J, Biedermann T, Krenn V, Weber WA, Ilges H, Haubner R, Röcken M: Targeted mast cell cell-silencing prevents joint destruction and angiogenesis in experimental arthritis. **Arthritis Rheum**. 2007 Jun;56(6):1806-16. (*contributed equally) 7.417
- 2006 16. Catana C, Yibao Y, Judenhofer MS, Qi J, Pichler BJ, Cherry SR: Simultaneous acquisition of multi-slice PET and MR images – Initial results with a MR-compatible PET scanner. **J. Nucl. Med**. 2006 Dec;47(12):1968-76. 4.986 *
15. Simon GH, Daldrup-Link HE, Kau J, Metz S, Schlegel J, Piontek G, Sabarowski O, Demos S, Duyster J, Pichler BJ: Optical imaging of experimental arthritis using allogeneic leukocytes labelled with a near-infrared fluorescent probe. **Eur. J. Nucl. Med. Mol. Imaging**. 2006 Sep;33(9):998-1006. 4.041 *
14. Pichler BJ, Judenhofer MS, Catana C, Walton JH, Kneilling M, Nutt RE, Siegel SB, Claussen CD, Cherry SR: Performance test of a LSO-APD detector in a 7 Tesla MRI scanner for simultaneous PET-MR imaging. **J. Nucl. Med**. 2006 Apr;47(4):639-47. 4.986 *
13. Zavattini G, Vecchi S, Mitchell G, Weisser U, Leahy RM, Pichler BJ, Smith DJ, Cherry SR: A hyperspectral fluorescence system for 3D in vivo optical imaging. **Phys. Med. Biol**. 2006 Apr 21;51(8):2029-43. 2.873 *
- 2005 12. Judenhofer MS, Pichler BJ, Cherry SR: Evaluation of high performance data acquisition boards for simultaneous sampling of fast signals from PET detectors. **Phys. Med. Biol**. 2005 Jan 7;50(1):29-44. 2.683 *
11. McElroy DP, Pimpl W, Pichler BJ, Rafecas M, Schüler T, Ziegler SI: Characterization and readout of MADPET-II detector modules: validation of a unique design concept for high resolution small animal PET. **IEEE Trans. Nucl. Sci**. 2005 Apr 11;52(1):199-204. 1.259 *
10. Pichler BJ, Kneilling M, Haubner R, Braumüller H, Schwaiger M, Röcken M, Weber WA: Imaging of delayed type hypersensitivity reaction by positron emission tomography and [18F]Galacto-RGD. **J. Nucl. Med**. 2005 Jan;46(1):184-9. 4.684 *
- 2004 9. Daldrup-Link HE, Rudelius M, Metz S, Piontek G, Pichler BJ, Settles M, Heinzmann U, Schlegel J, Oostendorp RAJ, Rummeny EJ: Cell tracking with Gadophrin-2: a bifunctional contrast agent for MR imaging, optical imaging, and fluorescence microscopy. **Eur. J. Nucl. Med. Mol. Imaging**. 2004 Sep;31(9):1312-21. 3.953 *
8. Rafecas M, Böning G, Pichler BJ, Lorenz E, Schwaiger M, Ziegler SI: Effect of noise in the probability matrix used for statistical reconstruction of PET data. **IEEE Trans. Nucl. Sci**. 2004 Apr 5;51(1):149-156. 1.737 *
7. Pichler BJ, Swann BK, Rochelle J, Nutt RE, Cherry SR, Siegel SB: Lutetium oxyorthosilicate block detector readout by avalanche photodiode arrays for high resolution animal PET. **Phys. Med. Biol**. 2004 Sep 21;49(18):4305-19. 2.128 *
- 2003 6. Rafecas M, Boening G, Pichler BJ, Lorenz E, Schwaiger M, Ziegler SI: Inter-crystal scatter in a dual layer, high resolution LSO-APD positron emission tomograph. **Phys. Med. Biol**. 2003 Apr 7;48(7):821-48. 2.342 *

5. Pichler BJ, Gremillion T, Ermer V, Schmand M, Bendriem B, Schwaiger M, Ziegler SI, R. Nutt R, Miller SD: Detector characterization and detector setup of a NaI-LSO PET/SPECT camera. **IEEE Trans. Nucl. Sci.** 2003 Oct 14;50(5):1420-1427. 1.119 *
- 2001 4. Pichler BJ, Pimpl W, Buttler W, Kotoulas L, Boening G, Rafecas M, Lorenz E, Ziegler SI. Integrated low-noise low-power fast charge-sensitive preamplifier for avalanche photodiodes in JFET-CMOS technology. **IEEE Trans Nucl Sci.** 2001 Dec;48(6): 2370-2374 0.771 *
3. Rafecas M, Böning G, Pichler BJ, Lorenz E, Schwaiger M, Ziegler SI: A Monte Carlo study of high resolution PET with granulated dual layer detectors. **IEEE Trans. Nucl. Sci.** 2001 Aug;48(4):1490-1495. 0.771 *
2. Pichler BJ, Bernecker F, Böning G, Rafecas M, Pimpl W, Schwaiger M, Lorenz E, Ziegler SI: A 4x8 APD array, consisting of two monolithic silicon wafers, coupled to a 32-channel LSO matrix for high resolution PET. **IEEE Trans. Nucl. Sci.** 2001 Aug;48(4):1391-1396. 0.771 *
1. Ziegler SI, Pichler BJ, Boening G, Rafecas M, Pimpl W, Lorenz E, Schmitz N, Schwaiger M. A prototype high-resolution animal positron tomograph with avalanche photodiode arrays and LSO crystals. **Eur J Nucl Med.** 2001 Feb;28(2):136-43. 3.464 *

* Journal Impact Factor; # Journal / 5-year Impact factor 2021

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
- 2011 5. Judenhofer MS, Wiehr S, Kukuk D, Fischer K, Pichler BJ: Guideline for Nuclear Imaging Analysis. F. Kiessling and B.J. Pichler (eds.), **Small Animal Imaging**, Chapter 26, Springer-Verlag Berlin Heidelberg 2011
4. Kiessling F, Pichler BJ, Hauff P: How to Choose the Right Imaging Modality. F. Kiessling and B.J. Pichler (eds.), **Small Animal Imaging**, Chapter 9, Springer-Verlag Berlin Heidelberg 2011
3. Small Animal Imaging; Bascis and Practical Guide. Edited by Fabian Kiessling and Bernd J. Pichler, Springer-Verlag Berlin Heidelberg 2011
- 2008 2. Pichler BJ, Judenhofer MS, Pfannenber 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. Pichler BJ: 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. Pichler BJ: 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. Pichler BJ: 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. Pichler BJ: 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. Pichler BJ: Engineered solutions to enhance therapy, Cancer Research UK – AACR Joint Conference on Engineering and Physical Sciences in Oncology, London, UK, October 17, 2019
154. Pichler BJ: Multiparametric functional and metabolic imaging for early cancer detection and profiling, 9th Mildred Scheel Cancer Conference, Bonn, Germany, May 15, 2019
153. Pichler BJ: Leuchtturm-Sitzung 6: Translationale Bildgebung, 57. Jahrestagung der Deutschen Gesellschaft für Nuklearmedizin (DGN), Bremen, Germany, April 5, 2019
152. Pichler BJ: Multimodality Imaging & Machine Learning for Translational Research: Converging PET, MR & Omics, EMIM 2019, Glasgow, UK, March 21, 2019
151. Pichler BJ: Multimodal imaging in basic research and clinical translation, 4th German Pharm-Tox Summit, Stuttgart, Germany, February 26, 2019
- 2018 150. Pichler BJ: PET/MRI, Imaging in 2020, Visualizing the future of health care with MR imaging, Jackson Hole, Wyoming, USA, September 23, 2018
149. Pichler BJ: Imaging tumour cell senescence for therapy-guidance, WMIC, Seattle, Washington, USA, September 15, 2018
148. Pichler BJ: Preclinical imaging in translational medical research, Opening of the Center for Experimental Imaging and Medicine, Cologne, Germany, September 5, 2018
147. Pichler BJ: MRI PET, Structure, Function, Molecular Signature: Frontiers in Multimodal Biomedical Imaging (Special Symposium), Zurich, Switzerland, June 25, 2018
146. Pichler BJ: Alpha-phase Testing from a Customer Perspective; Molecular Imaging in the Future, WFNMB, Melbourne, Australia, April 21, 2018
145. Pichler BJ: Molecular Imaging. 2nd Donau Symposium, Vienna, Austria, March 15, 2018
- 2017 144. Pichler BJ: German Imaging Science in European Context, 4th annual e:Med Meeting, Göttingen, Germany, November 22, 2017
143. Pichler BJ: Multiparametric Imaging in Preclinical and Translational Research. MD Anderson, Houston, Texas, USA, November 2, 2017
142. Pichler BJ: The benefits of Simultaneous Imaging, ISMRM-SNMMI Co-Provided Workshop on PET/MRI, Chicago, Illinois, USA, October 28, 2017
141. Pichler BJ: Multiparametric Imaging in Preclinical and Translational Research, Johns Hopkins, Baltimore, Maryland, USA, October 23, 2017
140. Pichler BJ: 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. Pichler BJ: 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 Neuroökologie 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

- 2011
98. Pichler BJ: PET/MRI and the Brain. 30th International Symposium, Radioactive Isotopes in Clinical Medicine and Research, Bad Hofgastein, Austria, January 11-13, 2012
 97. Pichler BJ: Solutions to the MR-AC problem. Symposium "Issues and Developments in PET/MR", University Hospital, Zurich, Switzerland, November 4-5, 2011
 96. Pichler BJ: 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. Pichler BJ: Multiparametric Imaging in Research. Pre-congress Symposium, Annual Congress of the European Association of Nuclear Medicine, Birmingham, UK, October 15-19, 2011
 94. Pichler BJ: 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. Pichler BJ: Multimodality imaging, translation to the clinic. Radiopharmacy and Radiopharmacology Symposium, ISRS Meeting, Amsterdam, The Netherlands, August 28, 2011
 92. Pichler BJ: Next generation of PET technology. Peter MacCallum Cancer Center, Melbourne, Australia, July 19, 2011
 91. Pichler BJ: Next generation of PET technology. ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011
 90. Pichler BJ: Preclinical Utilization of PET-MR with potential clinical uses. Breakfast Symposium Siemens, ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011
 89. Pichler BJ: Site Requirement, Infrastructure and Personnel for PET/MRI in Research and Clinic. ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011
 88. Pichler BJ: PET-MRI: Multiparametric Imaging in Preclinical Research and Clinical Diagnosis. ANZSNM Conference, Darwin Convention Centre, Darwin, Australia, July 13-16, 2011
 87. Pichler BJ: PET/MR, Education Centre, Royal Brisbane and Women's Hospital, Brisbane, Australia, July 12, 2011
 86. Pichler BJ: Whole body PET/MRI, where are we? Turku PET Symposium, May 28-31, 2011, Turku, Finland
 85. Pichler BJ: Preclinical imaging: Infrastructure, Organisation and Science. 39th annual meeting of the British Nuclear Medicine Society, Brighton Conference Centre, Brighton, UK, May 9, 2011
 84. Pichler BJ: PET/MRI: Multiparametric Imaging in Clinic and Research. 39th annual meeting of the British Nuclear Medicine Society, Brighton Conference Centre, Brighton, UK, May 9, 2011
 83. Pichler BJ: Preclinical and Translational Imaging in Oncology, Neurology and Immunology. AIT Health & Environment Seminar Series 2011, Vienna, Austria, May 4, 2011
 82. B.J.Pichler: PET/MRI in molecular imaging. The 2nd International Symposium on Integrated PET-MRI, Osaka, Japan, January 28-29, 2011

2010

 81. Pichler BJ: 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. Pichler BJ: 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. Pichler BJ: Technik und Anwendung der kombinierten PET/MRT-Bildgebung. FZD-Kolloquium, Forschungszentrum Dresden - Rossendorf, Dresden, Germany, June 21, 2010
 78. Pichler BJ: 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 refernce 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 dignosis 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	Ilya 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 Grießinger (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