Prof. Dr. Bernd Pichler

Personal Data

Status/Function: Director of Department

Scientific focus: Bernd Pichler works in the field of PET and PET/MR imaging science since more than 15 years and pioneered (together with Siemens) the development of preclinical and clinical PET/MRI. He performed research at the TU Munich, the MPI for Physics in Munich, UC Davis USA and the University of Tuebingen. Bernd Pichlers's lab is focussing on interdisciplinary basic research in biomedicine with the use of state-of-the-art imaging technologies. This includes multi-modality imaging in oncology, immunology and neurology as well as the development of new imaging technologies and innovative imaging probes. In recent years, he has published widely on the preclinical as well as clinical implementation of PET/MR imaging.

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Education and qualifications

2007: Postdoctoral thesis (Habilitation) in Preclinical Imaging, Title “Molekulare Bildgebung in der Präklinischen Forschung”, Eberhard Karls University Tübingen, Mentor: Prof. Dr. C. Claussen

2001: Doctoral thesis in Physics, Technische Universität München, Mentor: Prof. Dr. M. Schwaiger/Prof. Dr. Ziegler

1992 – 1997: College of Electrical Engineering, Biomedical Engineering, at the Technische Universität München, Diploma of Electrical Engineering, Biomedical Engineering

Work Experience

since 2020 Dean of the Faculty of Medicine of the Eberhard Karls University of Tübingen

2011 - 2014 Deputy Managing Research Director of the Clinical Department of Radiology of the Eberhard Karls University of Tübingen, Germany

since 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 2008 Head of the Radiopharmacy at the Clinical Department of Radiology of the Eberhard Karls University of Tübingen, Germany

since 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

since 2008: Cooptation as Professor at the Faculty of Mathematics and Physics of the Eberhard Karls University Tübingen

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

since 2005	Head of the Laboratory for Preclinical Imaging and Imaging Technology; Department of Radiology of the Eberhard Karls University of Tübingen, Germany
2003 - 2004	Assistant Biomedical Research Engineer (Assistant Research Professor), Department of Biomedical Engineering, University of California, Davis, CA, USA
2001 - 2002	Postdoctoral Research Fellow at the Clinic of Nuclear Medicine at the Technische Universität München, Munich, Germany
1997 - 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

Teaching Experience

Until 2020:	Supervision of 30 doctoral theses (completed, MD and PhD)
	Supervision of 27 diploma/master/bachelor theses (completed)
Currently:	Supervision of 36 doctoral theses

Additional Qualifications and Skills

Reviewer for scientific journals:	Nature Medicine, Nature Biotechnology, Proceedings of the National Academy of Sciences, IEEE Transactions on Medical Imaging, IEEE Transactions on Nuclear Science, Journal of Radiology, Radiology, Journal of Nuclear Medicine, Physics in Medicine & Biology, Nuclear Instruments and Methods in Physics Research, European Journal of Nuclear Medicine & Molecular Imaging, Molecular Imaging
Reviewer for sociesties:	German Research Foundation (DFG), The German Council of Science and Humanities (Wissenschatsrat), European Research Council (ERC), Tiroler Wissenschaftsfond, Swiss National Science Foundation, Wellcome Trust - England
Reviewer for annual meetings:	IEEE Medical Imaging Conference, Deutsche Gesellschaft für Nuklearmedizin, Society of Nuclear Medicine, World Molecular Imaging Congress
Advisor:	Consulting Editor for a Scientific Journal: Molecular Imagingn and Biology. Since 2020; Siemens Preclinical Solutions, Knoxville, TN, USA; Lecturer: Northern California PET Imaging Center, Sacramento, USA: PET preceptor course (CME credits) 2004

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 Preis 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 α(v)β (3) integrin expression. Eur J Nucl Med Mol Imaging. 38(7): 1303-12, 2011

2012 Program Chair, World Molecular Imaging Congress, Dublin, Ireland

since 2011 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: fortüne-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. ")

Publications

			5-year Impact
2021	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.	13.610#
	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.	9.108#
	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.** 2020 Dec 29;e11902. doi: 10.15252/emmm.201911902. Online ahead of print.	10.366#
	217.	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.	9.108#
2020	216.	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.** 2020 Dec 28. doi: 10.1002/eji.202048879. Online ahead of print.	4.298#
	215.	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** 2020 Dec 28. doi: 10.1007/s00259-020-05133-x. Online ahead of print.	6.610#
	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**. 2020 Nov 1. doi: 10.1007/s00262-020-02765-8. Online ahead of print.	4.781#
	213.	Grimm J, Kiessling F, Pichler BJ. Quo Vadis, Molecular Imaging? **J Nucl Med.** 2020 Oct;61(10):1428-1434.	6.782#
	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 Jun 8. doi: 10.1007/s11307-020-01510-y. Online ahead of print.	2.790#
	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,	13.610#

		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.	
	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	4.576#
	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, Geishauser 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.	13.610#
	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	3.113#
	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.	2.790#
	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	4.989#
	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, Pfannenberg 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.	9.108#
	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.	9.108#
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. OncoImmunology 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.** 2019 Sep 3. doi: 10.1007/s11307-019-01412-8. [Epub ahead of print]	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, Wehrl 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.** 2019 Aug 8. doi: 10.1007/s11307-019-01418-2. [Epub ahead of print]	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 BJ. 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.** 2019 Jun 5. doi: 10.1007/s11307-019-01368-9. [Epub ahead of	2.790

print]

192. Amend M, Ionescu TM, Di X, Pichler BJ, Biswal BB, Wehlr 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, Quantilla-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. **Pharmaceuticals.** 2019 Feb 15;12(1). pii: E31. 4.286 *

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, Jarboui 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. Acetuino-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, Meneszes L, Poeppel TD, la Fougere C, Beitzke D, Rasul S, Loewe C, Nikolaou K, Bucerius J, Kjaer A, Gutberlet ;. 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 cardic imaging using PET/MRI: a joint position statement by the European Society of Cardiovascular Radiology (ESCR) and the European Association of Nuclear Medicine (ENAM). **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, Jarboui 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, Gueler 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, Bhujwalla 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
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	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 *
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	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 2018**

Patents

2018	*Radiolabeled beta-galactosidase substrate for PET imaging od 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	*Halogenated Benzoxazines and their use thereof* Inventors: Kesenheimer, Christian; Maier, Florian; Stumm, Ramona; Pichler, Bernd WO2014032732 A1, US20150166572 A1, US9796730 B2, EP2890700 B1, DK2890700 T3
2014	*Senecence 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

Invited Talks

2020 158. 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

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, Mach 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 dern 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 Neurookologie 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

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

2011

97. Pichler BJ: Solutions to the MR-AC problem. Symposium "Issues and Developments in PET/MR", University Hosital, 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 Convenation 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 Convenaion 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 Convenaion 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 (CCRTP-MO). Kurhaus Hinterzarten, Hinterzarten, Germany, Semptember 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, Shenzen, 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 verwande 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 Nulearmedizin, 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 funtional 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, Worchester, 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 boarders 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

Professional Memberships

since 2017	German National Academy of Sciences Leopoldina (Leopoldina - Nationale Akademie der Wissenschaften
since 2016	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)

Current Research Grants

2020-2025	Eberhard Karls University of Tübingen / Excellence Strategy of the German federal and state governments. Support of the establishment of an independent junior research group by the platform "Medical Technology" of the Eberhard Karls University of Tübingen Applicant: Prof. Dr. Bernd Pichler Funds: 1,000,000 €
2019-2026	Eberhard Karls University of Tübingen / Excellence Strategy of the German federal and state governments. Financing of a position (100%) for the coordination of the platform "Medical Technology" of the Eberhard Karls University of Tübingen Applicant: Prof. Dr. Bernd Pichler Funds: 450,000 €
2019-2024	EU - IMI2 - call 14 - topic 2: Non-invasive clinical molecular imaging of immune cells "Specific Imaging of Immune Cell Dynamics Using Novel Tracer Strategies - Immune-Image" (Grant agreement no.: 831514) Applicants: Albert Windhorst (PhD), Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling (i.a.) Funds: 1,103,496 €
2019-2024	Eberhard Karls University of Tübingen / Ministry of Science, Research and the Arts of the State of Baden-Württemberg Future Concept: Strategic research cooperations in the area of "Immune-Imaging" Applicant: Prof. Dr. Bernd Pichler Funds: 750,000 €
2019-2023	DFG - Collaborative Research Center SFB TRR 156 (2nd funding period) "The skin as a sensor and effector organ orchestrating local and systemic immunity" (Grant agreement no.: INST 35/1264-2) Subproject C03: "Impact of noncanonical NF-κB signaling during hapten-induced skin inflammation" Subproject leaders: Prof. Dr. Bernd Pichler, Dr. med. Manfred Kneilling Subproject funds: 465.100 € Total funds: 13,649,500 €
2019-2025	DFG - Excellence Strategy of the German federal and state governments Clusters of Excellence "Image-Guided and Functionally Instructed Tumor Therapies (iFIT)" (Grant agreement no.: EXC 2180) Spokesperson: Prof. Dr. med. Lars Zender, Prof. Dr. Bernd Pichler, Prof. Dr. Hans-Georg Rammensee Total Cluster of Excellence Funds: 47,255,480 €
2018-2022	EU Horizon 2020 - MSCA-ITN-2018 "PET Imaging of Alpha-Synuclein Fibril Formation (PET-AlphaSy)" (Grant agreement no.: 813528) Applicants: Dr. Matthias Herth; Prof. Dr. Bernd Pichler Subproject funds: 758.365€ Total funds: 4,100,370 €

2018-2021 DFG – Research Unit FOR 2314 (2nd funding period)
"Targeting therapeutic windows in essential cellular processes for tumor therapy"
Subproject Z02: "Multiparametric Imaging and Molecular Probe Design Platform" (Grant agreement no.: PI 771/13-2)
Subproject TP01: "Therapeutic Induction and Image Guided Exploitation of Cellular senescence for Cancer Therapy" (Grant agreement no.: PI 771/18-2)
Applicants (Z02): Prof. Dr. Bernd Pichler, Prof. Dr. Antti Poso
Applicants (TP01): Prof. Dr. Bernd Pichler, Prof. Dr. med. Lars Zender
Total subproject funds: 489,450 €
Total funds: 6,437,860 €

2018-2022 DFG - Collaborative Research Center SFB TRR 240
"Platelets - Molecular, cellular and systemic functions in health and disease" (Grant agreement no.: INST 93/992-1)
Subproject: Z04 "Multiparametric in vivo imaging"
Subproject leader: Prof. Dr. Bernd Pichler
Subproject funds: 394,100 €
Total funds: 14,788,600 €

2018-2021 DFG - Research Grants Program
"Trimodal imaging of human brain networks using simultaneous PET/MR/EEG" (Grant agreement no.: PI 771/17-1)
Applicants: Prof. Dr. Bernd Pichler, PD Dr. Niels Focke, Prof. Dr. med. Christian la Fougère
Funds: 135,100 €

2017-2020 Dr. Karl Helmut Eberle-Foundation
"Nicht-invasive Visualisierung und Verfolgung spezifischer Zellpopulationen mittels Positronen-Emissions-Tomographie"
Applicants: Prof. Dr. Robert Feil, Prof. Dr. Bernd Pichler
Subproject funds: 120,000 €
Total funds: 300,000 €

2017-2021 EU H2020-MSCA-ITN-2017
"Innovative Training Network towards raising and supporting the next generation of creative and entrepreneurial cross-speciality imaging experts (HYBRID)" (Grant agreement no.: 764458)
Applicants: Dr. Carola Reinhard, Prof. Dr. Bernd Pichler (i.a.)
Subproject funds: 249,216 €
Total funds: 3,858,940 €

2017-2021 DFG - Research Grants Program
"Radiolabeled benzoxazinoles - a unique beta-amyloid PET-tracer class allowing the dichotomous detection of parenchymal and vascular beta-amyloid deposits"
(Grant agreement no: PI 771/14-1)
Applicant: Prof. Dr. Bernd Pichler
Funds: 449,220 €

2016-2023 Werner Siemens-Foundation, Zug, Switzerland
Werner Siemens Imaging Center
Applicant: Prof. Dr. Bernd Pichler
Funds: 15,673,646 €

In addition, over 32.100.000€ in third-party funding has been raised since 2005 through previous grants