

Wilfried Reichardt

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[Research Interests](#)

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Research Interests

- MR-Monitoring of Tumor-Therapie
- Molecular Imaging with targeted agents
- renal imaging
- Cell Tracking and Development of Biomarkers for Cellfate
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Projects

- European Network for Cell Imaging and Tracking Expertise (ENCITE)
- MR Monitoring of novel therapy against Autosomal Dominant Polycystic Kidney Disease
- MR Monitoring of chemotherapie against Ewingsarcoma in a mouse model (TranSarNet)
- Multimodal tracking of Cells also using 19F Fluorine

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Publications

Journal paper

- Leonhardt F, Zirlik K, Buchner M, Prinz G, Hechinger AK, Gerlach UV, Fisch P, Schmitt-Gräff A, Reichardt W , Zeiser R. Spleen tyrosine kinase (Syk) is a potent target for GvHD prevention at different cellular levels. *Leukemia*. 2012 Jan 17. doi: 10.1038/leu.2012.10. [Epub ahead of print] PubMed PMID: 22301676.
- Spies E, Reichardt W , Alvarez G, Groettrup M, Ohlschläger P. An Artificial PAP Gene Breaks Self-tolerance and Promotes Tumor Regression in the TRAMP Model for Prostate Carcinoma. *Mol Ther*. 2011 Nov 15. doi: 10.1038/mt.2011.241. [Epub ahead of print]
- Stathis Hadjidemetriou, Wilfried Reichardt, Juergen Hennig, Martin Buechert, Dominik von Elverfeldt. Analysis of MRI Data Monitoring the Preclinical Treatment of Polycystic Kidney Disease in a Mouse Model *MAGMA*, 2011 Apr;24(2):109-19
- Hadjidemetriou, S., Reichardt W, Buechert, M., Hennig, J., von Elverfeldt, D. Analysis of MR images of mice in preclinical treatment monitoring of polycystic kidney disease. *Proc. of the 12th International Conference on MICCAI. LNCS*. Sep 2009

- Reichardt W, Juettner E, Uhl M, v. Elverfeldt D, Kontny U. Diffusion weighted Imaging as Predictor of Therapy Response in an Animal Model of Ewing's-Sarcoma. Investigative Radiology 2009, May;44(5):298-303
- Reichardt W, Daniel Romaker, Anne Becker, Martin Buechert, von Elverfeldt D. Monitoring Kidney and Renal Cyst Volumes applying MR approaches on a Rapamycin treated Mouse Model of ADPKD. Magn Reson Mater Phy. 2009 June; 22(3): 143-9. Epub 2008 Dec 24
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- Reichardt W, Dürr C, von Elverfeldt D, Jüttner E, Gerlach UV, Yamada M, Smith B, Negrin RS, Zeiser R. Impact of mammalian target of rapamycin inhibition on lymphoid homing and tolerogenic function of nanoparticle-labeled dendritic cells following allogeneic hematopoietic cell transplantation. J Immunol. 2008 Oct 1;181(7):4770-9.
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- Sebastian Werner, Arnulfo Mendoza, Ralf A. Hilger, Miriam Erlacher, Wilfried Reichardt, Andrej Lissat, Claudia Konanz, Marcus Uhl, Charlotte M. Niemeyer, Chand Khanna, Udo Kontny. Preclinical studies of treosulfan demonstrate potent activity in Ewing's sarcoma. Cancer Chemother Pharmacol. 2008 62(1): 19-31
- Uhl M., Saueressig U., Kontny U, Reichardt W., V. Buires, Niemeyer C., Ilyasof K., Koehler G., Langer M. Osteosarcoma: Preliminary results of in vivo assessment of tumor necrosis during chemotherapy with diffusion weighted MR-imaging. Pediatric Radiology 2006 Dec;36(12):1306-11. Epub 2006 Oct 10
- Kim YR, Yudina A, Figueiredo J, Reichardt W, Hu-Lowe D, Petrovsky A, Kang HW, Torres D, Mahmood U, Weissleder R, Bogdanov AA Jr. Detection of early antiangiogenic effects in human colon adenocarcinoma xenografts: in vivo changes of tumor blood volume in response to experimental VEGFR tyrosine kinase inhibitor Cancer Res. 2005 Oct 15;65(20):9253-60
- Reichardt W, Hu-Lowe D, Torres D, Weissleder R, Bogdanov A Jr. Imaging of VEGF receptor kinase inhibitor-induced antiangiogenic effects in drug-resistant human adenocarcinoma model. Neoplasia. 2005 Sep;7(9):847-53
[Full text.](#)
- Klein A, Reichardt W, Jung V, Zang KD, Meese E, Urbschat. Overexpression and amplification of STK15 in human gliomas. Int J Oncol. 2004 Dec;25(6):1789-94
- Banerjee P, Reichardt W, Weissleder R, Bogdanov A Jr. Novel hyperbranched dendron for gene transfer in vitro and in vivo Bioconjug Chem. 2004 Sep-Oct;15(5):960-8
- Reichardt W, Jung V, Brunner C, Klein A, Wemmert S, Romeike BF, Zang KD, Urbschat S. The putative serine/threonine-kinase gene STK15 on chromosome 20q13 is amplified in human gliomas Oncol Rep. 2003 Sep-Oct;10(5):1275-9

Awards

2010 ISMRM Seed Grant Award

2008 ISMRM Student Award

1999-2004 Scholarship of the German Academic Foundation

PhD Thesis

- Molekulare Charakterisierung einer fokal amplifizierten DNA-Struktur auf Chromosom 20q13 bei Gliomen (Institut für Humangenetik der Universitätsklinik Homburg, Prof. K.D. Zang)

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CV

31.05.1972	Born in Calw, Germany
Education:	
1992	Abitur at the Hermann Hesse-Gymnasium , Calw
1992	1 Semester Study of Physics at the Albert-Ludwigs-Universität Freiburg
1993-96	Training as Male-Nurse in Titisee-Neustadt
1996-2004	Study of Medicine at the Saarland-University in Homburg

2004	Final State Examination
Research:	
1999-2000	1 Year research scholarship of the Graduiertenkolleg "Zelluläre Regulation und Wachstum" in Homburg. Speaker of the Graduates.
2002-2003	Work on several Projects as Medical Student at the Center for Molecular Imaging Research at Harvard University , Massachusetts General Hospital , Boston, USA
2004	Thesis at the Institut für Humangenetik der Universitätsklinik Homburg (Prof. K.D. Zang)
Work:	
06/2004-02/2006	Department of diagnostic Radiology at the Universitätsklinik Freiburg
Since 03/2006	Department of Medical Physics at the Universitätsklinik Freiburg

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