



## Prof. Dr. Ambros J. Beer

(\*13.10.1972)

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### Curriculum vitae

1992-1999	Medical School: Ludwig-Maximilians-Universität Munich
1999	Promotion (PhD thesis) at the Department of Radiation Biology, Ludwig-Maximilians-Universität Munich (Prof. Dr. E. Lengfelder)
2001	Approbation (license to practice medicine)
1999-2001	Resident at the Department of Radiology of the Technische Universität München, Klinikum rechts der Isar
2001-2001	Consultant at Siemens Medical Solutions, CT Concepts
2001-2003	Resident at the Department of Radiology of the Technische Universität München, Klinikum rechts der Isar
2003-2004	Resident at the Department of Nuclear Medicine of the Technische Universität München, Klinikum rechts der Isar
2004-200:	Resident at the Department of Radiology of the Technische Universität München, Klinikum rechts der Isar
2006-2009	Resident at the Department of Nuclear Medicine of the Technische Universität München, Klinikum rechts der Isar
2006	Board Exam Radiology
2007	Habilitation in Nuclear Medicine ("Assistant Professor" for Nuclear Medicine)
2009	Board Exam Nuclear Medicine
2009-2014	Consultant ("Oberarzt") at the Department of Nuclear Medicine of the Technische Universität München, Klinikum rechts der Isar
2014	"apl. Professor" (associate Professor) in Nuclear Medicine
since 2014	Full Professor and Director of the Department of Nuclear Medicine, Ulm University

### Research fields

Molecular Imaging, Hybrid imaging including PET/MR and PET/CT, imaging of angiogenesis;

### Funding

total sum as principle investigator: 2.538.530,- €

total sum as coinvestigator: 728.200,- €

most important funded projects from the last 5 years:

DFG, SFB 824 "Imaging for Selection, Monitoring and Individualization of Cancer Therapies";

Project A7 (Beer, Haase, Aime): 419.800,- €; Project C3 (Keller, Beer): 530.900,- €;

## Special achievements / awards / honors

- "Young Investigator Award for the Year 2005" from the „Society for the Advancement of Nuclear Medicine at the Technische Universität München"
- 2005 First Place Award "Outstanding Clinical Investigations" of the Journal of Nuclear Medicine. Meeting of the SNM 2006, San Diego
- First place award at the "Cardiovascular sciences young investigator award symposium" Meeting of the SNM 2008, New Orleans

## Selected publications (10 most important publications of the last 10 years)

- In vivo biokinetic and metabolic characterization of the  $^{68}\text{Ga}$ -labelled  $\alpha 5\beta 1$ -selective peptidomimetic FR366. D'Alessandria C, Pohle K, Rechenmacher F, Neubauer S, Notni J, Wester HJ, Schwaiger M, Kessler H, **Beer AJ**. *Eur J Nucl Med Mol Imaging*. 2015 Oct 24
- Multiparametric MR and PET Imaging of Intratumoral Biological Heterogeneity in Patients with Metastatic Lung Cancer Using Voxel-by-Voxel Analysis. Metz S, Ganter C, Lorenzen S, van Marwick S, Holzapfel K, Herrmann K, Rummeny EJ, Wester HJ, Schwaiger M, Nekolla SG, **Beer AJ**. *PLoS One*. 2015 Jul 17;10(7):
- Multimodality multiparametric imaging of early tumor response to a novel antiangiogenic therapy based on anticinalins. Meier R, Braren R, Kosanke Y, Bussemer J, Neff F, Wildgruber M, Schwarzenböck S, Frank A, Haller B, Hohlbaum AM, Schwaiger M, Gille H, Rummeny EJ, **Beer AJ**. *PLoS One*. 2014 May 6;9(5)
- Multimodal molecular imaging of integrin  $\alpha v\beta 3$  for in vivo detection of pancreatic cancer. Trajkovic-Arsic M, Mohajerani P, Sarantopoulos A, Kalideris E, Steiger K, Esposito I, Ma X, Themelis G, Burton N, Michalski CW, Kleeff J, Stangl S, **Beer AJ**, Pohle K, Wester HJ, Schmid RM, Braren R, Ntziachristos V, Siveke JT. *J Nucl Med*. 2014 Mar;55(3):446-51
- PET/CT imaging of integrin  $\alpha v\beta 3$  expression in human carotid atherosclerosis. **Beer AJ**, Pelisek J, Heider P, Saraste A, Reeps C, Metz S, Seidl S, Kessler H, Wester HJ, Eckstein HH, Schwaiger M. *JACC Cardiovasc Imaging*. 2014 Feb;7(2):178-87
- Performance of whole-body integrated  $^{18}\text{F}$ -FDG PET/MR in comparison to PET/CT for evaluation of malignant bone lesions. Eiber M, Takei T, Souvatzoglou M, Mayerhoefer ME, Fürst S, Gaertner FC, Loeffelbein DJ, Rummeny EJ, Ziegler SI, Schwaiger M, **Beer AJ**. *J Nucl Med*. 2014 Feb;55(2):191-7
- Selective imaging of the angiogenic relevant integrins  $\alpha 5\beta 1$  and  $\alpha v\beta 3$ . Neubauer S, Rechenmacher F, **Beer AJ**, Curnis F, Pohle K, D'Alessandria C, Wester HJ, Reuning U, Corti A, Schwaiger M, Kessler H. *Angew Chem Int Ed Engl*. 2013 Oct 25;52(44):11656-9
- Workflow and scan protocol considerations for integrated whole-body PET/MRI in oncology. Martinez-Möller A, Eiber M, Nekolla SG, Souvatzoglou M, Drzezga A, Ziegler S, Rummeny EJ, Schwaiger M, **Beer AJ**. *J Nucl Med*. 2012 Sep;53(9):1415-26
- Radionuclide and hybrid imaging of recurrent prostate cancer. **Beer AJ**, Eiber M, Souvatzoglou M, Schwaiger M, Krause BJ. *Lancet Oncol*. 2011 Feb;12(2):181-91
- [ $^{18}\text{F}$ ]galacto-RGD positron emission tomography for imaging of  $\alpha v\beta 3$  expression on the neovasculature in patients with squamous cell carcinoma of the head and neck. **Beer AJ**, Grosu AL, Carlsen J, Kolk A, Sarbia M, Stangier I, Watzlowik P, Wester HJ, Haubner R, Schwaiger M. *Clin Cancer Res*. 2007 Nov 15;13(22 Pt 1):6610-6