

Publications

— as of September 1st, 2021 —

- N. G. Quigley, K. Steiger, S. Hoberück, N. Czech, M. A. Zierke, S. Kossatz, M. Pretze, F. Richter, W. Weichert, C. Pox, J. Kotzerke, **J. Notni***. PET/CT Imaging of Head-and-Neck and Pancreatic Cancer in Humans by Targeting the "Cancer Integrin" $\alpha\beta_6$ with Ga-68-Trivehexin. *Eur. J. Nucl. Med. Mol. Imaging* **2021**, *48*, under revision ([see preprint here](#))
- K. Steiger, N. G. Quigley, T. Groll, F. Richter, M. A. Zierke, A. J. Beer, W. Weichert, M. Schwaiger, S. Kossatz, **J. Notni***. There is a world beyond $\alpha\beta_3$ -integrin: Multimeric ligands for imaging of the integrin subtypes $\alpha\beta_6$, $\alpha\beta_8$, $\alpha\beta_3$, and $\alpha_5\beta_1$ by positron emission tomography. *EJNMMI Res.* **2021**, *11*, under revision.
- 1. N. G. Quigley, N. Czech, W. Sendt, **J. Notni***. PET/CT imaging of pancreatic carcinoma targeting the "cancer integrin" $\alpha\beta_6$. *Eur. J. Nucl. Med. Mol. Imaging* **2021**, *48*, doi:10.1007/s00259-021-05443-8.
- 2. D. Horváth, F. Travagin, N. Guidolin, F. Buonsanti, G. Tircsó, I. Tóth, F. Bruchertseifer, A. Morgenstern, **J. Notni**, G. B. Giovenzana*, Z. Baranyai*. Towards ^{213}Bi alpha-therapeutics and beyond: unravelling the foundations of efficient Bi^{III} complexation by DOTP. *Inorg. Chem. Front.* **2021**, *8*, 3893–3904.
- 3. S. Kossatz, **J. Notni***. NIR fluorescence imaging of colon cancer with cRGD-ZW800-1—Letter. *Clin. Cancer Res.* **2021**, *27*, 4937.
- 4. S. Gulde, T. Wiedemann, M. Schillmaier, I. Valenca, A. Lupp, K. Steiger, H. Y. Yen, S. Bäuerle, **J. Notni**, R. Luque, H. Schmid, S. Schulz, D. Ankerst, F. Schilling, N. S. Pellegata*. Gender-specific efficacy revealed by head-to-head comparison of pasireotide and octreotide in a representative in vivo model of nonfunctioning pituitary tumors. *Cancers* **2021**, *13*, 3097.
- 5. **J. Notni***, PSMA-Targeted Therapeutics: A Tale About Law and Economics. *J. Nucl. Med.* **2021**, *62*, doi:10.2967/jnumed.121.262308.
- 6. S. Kossatz, **J. Notni***, Frischer Wind für Integrine / A New Paradigm for Integrins. *Der Nuklearmediziner* **2021**, *44*, 152–159.
- 7. N. G. Quigley, K. Steiger, F. Richter, W. Weichert, S. Hoberück, J. Kotzerke, **J. Notni***. Tracking a TGF- β Activator In Vivo: Sensitive PET Imaging of $\alpha\beta_8$ -Integrin with the Ga-68 Labeled Cyclic RGD Octapeptide Trimer Ga-68-Triveoctin. *EJNMMI Res.* **2020**, *10*, 133.
- 8. E. Hacaperková, A. Jaroš, J. Kotek, **J. Notni**, M. Straka, V. Kubíček*, P. Hermann. Al(III)-NTA-Fluoride: A Simple Model System for Al-F Binding with Interesting Thermodynamics. *Dalton Trans.* **2020**, *49*, 13726–13736.
- 9. N. G. Quigley, S. Tomassi, F. S. Di Leva, S. Di Maro, F. Richter, K. Steiger, S. Kossatz, L. Marinelli*, **J. Notni***. Click-chemistry (CuAAC) Trimerization of an $\alpha\beta_6$ -Integrin Targeting Ga-68-Peptide: Enhanced Contrast for In-vivo PET imaging of Human Lung Adenocarcinoma Xenografts. *ChemBioChem* **2020**, *21*, 2836–2843.
- 10. F. Bruchertseifer, P. Comba*, B. Martin, A. Morgenstern, **J. Notni**, M. Starke, H. Wadepohl. First generation bispidine chelators for $^{213}\text{Bi}^{\text{III}}$ radiopharmaceutical applications. *ChemMedChem* **2020**, *15*, 1591–1600.
- 11. **J. Notni***, F. T. Gassert, K. Steiger, P. Sommer, W. Weichert, E. J. Rummeny, M. Schwaiger, H. Kessler, R. Meier, M. A. Kimm. In-Vivo Imaging of Early Stages of Rheumatoid Arthritis by $\alpha_5\beta_1$ -Integrin Targeted Positron Emission Tomography. *EJNMMI Res.* **2019**, *9*, 87.
- 12. E. Farkas, A. Vágner, R. Negri, L. Lattuada, I. Tóth, V. Colombo, D. Esteban-Gómez, C. Platas-Iglesias, **J. Notni***, Z. Baranyai*, G. B. Giovenzana*. PIDAZTA: Structurally Constrained Chelators for Efficient Formation of Stable Gallium-68 Complexes at Physiological pH. *Chem. Eur. J.* **2019**, *25*, 10698–10709.
- **J. Notni***, H.-J. Wester. ^{68}Ga -Radiopharmaka: Methode oder Episode? *Radiopraxis* **2019**, *12*, E31–E42. (*kein peer-review*)
- 13. F. Reichart, O. V. Maltsev, T. G. Kapp, A. F. B. Räder, M. Weinmüller, U. K. Marelli, **J. Notni**, A. Wurzer, R. Beck, H.-J. Wester, K. Steiger, S. Di Maro, F. Saverio Di Leva, L. Marinelli, M. Nieberler, U. Reuning, M. Schwaiger, H. Kessler*. Selective Targeting of Integrin $\alpha\beta_8$ by a Highly Active Cyclic Peptide. *J. Med. Chem.* **2019**, *62*, 2024–2037.
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 - **J. Notni***, H.-J. Wester. ⁶⁸Ga-Radiopharmaka: Methode oder Episode? *Der Nuklearmediziner* **2018**, *41*, 335–347. (*kein peer-review*)
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