

## Publications Notni Project A10:

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*, accepted.
2. N. G. Quigley, K. Steiger, F. Richter, W. Weichert, S. Hoberück, J. Kotzerke, **J. Notni\***. Tracking a TGF- $\beta$  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.
3. 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.
4. **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.
5. 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.
6. A. Wurzer, J. Pollmann, A. Schmidt, D. Reich, H.-J. Wester, **J. Notni\***. Molar Activity of Ga-68 Labeled PSMA Inhibitor Conjugates Determines PET Imaging Results. *Mol. Pharmaceutics* **2018**, *15*, 4296–4302.
7. J. Šimeček, P. Hermann, C. Seidl, F. Bruchertseifer, A. Morgenstern, H.-J. Wester, **J. Notni\***. Efficient formation of inert Bi-213 chelates by tetrakisphosphorus acid analogues of DOTA: Towards improved alpha-therapeutics. *EJNMMI Res.* **2018**, *8*, 78.
8. A. Vágner, A. Forgács, E. Brücher, I. Tóth, A. Maiocchi, A. Wurzer, H.-J. Wester, **J. Notni**, Z. Baranyai\*. Equilibrium thermodynamics, formation and dissociation kinetics of trivalent iron and gallium complexes of triazacyclononane-triphosphinate (TRAP) chelators: Unraveling the foundations of highly selective Ga-68 labeling. *Front. Chem.* **2018**, *6*, 170.
9. A. Wurzer, A. Vágner, D. Horváth, F. Fellegi, H.-J. Wester, F. K. Kálmán, **J. Notni\***. Synthesis of symmetrical tetrameric conjugates of the radiolanthanide chelator DOTPI for application in endoradiotherapy by means of click chemistry. *Front. Chem.* **2018**, *6*, 107.
10. S. F. Färber, A. Wurzer, F. Reichart, R. Beck, H. Kessler, H.-J. Wester, **J. Notni\***. Therapeutic Radiopharmaceuticals Targeting Integrin  $\alpha\beta_6$ . *ACS Omega* **2018**, *3*, 2428–2436.
11. A. Wurzer, C. Seidl, A. Morgenstern, F. Bruchertseifer, M. Schwaiger, H.-J. Wester, **J. Notni\***. Dual-Nuclide Radiopharmaceuticals for Positron Emission Tomography Based Dosimetry in Radiotherapy. *Chem. Eur. J.* **2018**, *24*, 547–550.