

Publications

- 1.) Mendler, C.T., Friedrich, L., Laitinen, I., Schlapschy, M., Schwaiger, M., Wester, H.-J. & **Skerra**, A. (2015) High contrast tumor imaging with radio-labeled antibody Fab fragments tailored for optimized pharmacokinetics via PASylation. *MABs* 7, 96-109.
- 2.) Mendler, C.T., Gehring, T., Wester, H.-J., Schwaiger, M. & **Skerra**, A. (2015) ⁸⁹Zr-labeled versus ¹²⁴I-labeled α HER2 Fab with optimized plasma-half life for high-contrast tumor imaging in vivo. *J. Nucl. Med.* 56, 1112-1118.
- 3.) Mendler, C.T., Feuchtinger, A., Heid, I., Aichler, M., D'Alessandria, C., Pirsig, S., Blechert, B., Wester, H.-J., Braren, R., Walch, A., **Skerra**, A. & Schwaiger, M. (2016) Tumor uptake of anti-CD20 Fabs depends on tumor perfusion. *J. Nucl. Med.* 57, 1971-1977.
- 4.) Friedrich, L., Kornberger, P., Mendler, C.T., Multhoff, G., Schwaiger, M. & **Skerra**, A. (2018) Selection of an Anticalin® against the membrane form of Hsp70 via bacterial surface display and its theranostic application in tumour models. *Biol. Chem.* 399, 235-252.
- 5.) Deuschle, F.C., Morath, V., Schiefner, A., Brandt, C., Ballke, S., Reder, S., Steiger, K., Schwaiger, M., Weber, W. & **Skerra**, A. (2020) Development of a high affinity Anticalin® directed against human CD98hc for theranostic applications. *Theranostics* 10, 2172-2187.
- 6.) Deuschle, F.C., Schiefner, A., Brandt, C. & **Skerra**, A. (2020) Design of a surrogate Anticalin protein directed against CD98hc for preclinical studies in mice. *Protein. Sci.* 29, 1774-1783.
- 7.) Heider, M., Eichner, R., Stroh, J., Morath, V., Kuisl, A., Zecha, J., Lawatscheck, J., Baek, K., Garz, A.-K., Rudelius, M., Deuschle, F.-C., Keller, U., Lemeer, S., Verbeek, M., Götze, K. S., **Skerra**, A., Weber, W. A., Buchner, J., Schulman, B. A., Kuster, B., Fernández-Sáiz, V. & Bassermann, F. (2021) The IMiD target CRBN determines HSP90 activity toward transmembrane proteins essential in multiple myeloma. *Mol. Cell* 81, 1-17.
- 8.) Peplau, E., De Rose, F., Reder, S., Mittelhauser, M., Scafetta, G., Schwaiger, M., Weber, W.A., Bartolazzi, A., **Skerra**, A. & D'Alessandria, C. (2020) Development of a chimeric antigen-binding fragment directed against human galectin-3 and validation as an immuno-positron emission tomography tracer for the sensitive in vivo imaging of thyroid cancer. *Thyroid* 30, 1314-1326.
- 9.) Richter, A., Knorr, K., Schlapschy, M., Robu, S., Morath, V., Mendler, C., Yen, H.Y., Steiger, K., Kiechle, M., Weber, W., **Skerra**, A. & Schwaiger, M. (2020) First in-human medical imaging with a PASylated

⁸⁹Zr-Labeled anti-HER2 Fab-fragment in a patient with metastatic breast cancer. Nucl. Med. Mol. Imaging 54, 114-119.