

1. Z. Amoozgar*, **J. Kloepper***, J. Ren*, R.E. Tay, S.W. Kazer, E. Kiner, S. Krishnan, J. M. Posada, M. Ghosh, E. Mamessier, C. Wong, G. B. Ferraro, A. Batista, N. Wang, M. Badeaux, S. Roberge, L. Xu, P. Huang, A. K. Shalek, D. Fukumura, H.-J. Kim, R. K. Jain "Targeting Treg cells with GITR activation alleviates resistance to immunotherapy in murine glioblastomas," **Nature Communications**, may 2021
2. G. Seano, H. T. Nia, K. E. Emblem, M. Datta, J. Ren, S. Krishnan, **J. Kloepper**, M. C. Pinho, W. W. Ho, M. Ghosh, V. Askoxylakis, G. B. Ferraro, L. Riedemann, E. R. Gerstner, T. T. Batchelor, P. Y. Wen, N. U. Lin, A. J. Grodzinsky, D. Fukumura, P. Huang, J. W Baish, T. P. Padera, L. L. Munn, R. K. Jain "Solid stress in brain tumours causes neuronal loss and neurological dysfunction and can be reversed by lithium," **Nature Biomedical Engineering**, Jan 2019
3. C. D. Arvanitis, V. Askoxylakis, Y. Guo, M. Datta, **J. Kloepper**, G. B. Ferraro, M. Bernabeu, D. Fukumura, N. J. McDannold, R. K. Jain, "Mechanisms of enhanced drug delivery in brain metastases with focused ultrasound-induced blood-tumor barrier disruption," **Proceedings of the National Academy of Science U S A**, Nov 2018
4. A. Griveau, G. Seano, S. J. Shelton, R. Kupp, A. Jahangiri, K. Obernier, S. Krishnan, O. R. Lindberg, T. J. Yuen, A. C. Tien, J. K. Sabo, N. Wang, I. Chen, **J. Kloepper**, L. Larrouquere, M. Ghosh, I. Tirosh, E. Huillard, A. Alvarez-Buylla, M. C. Oldham, A. I. Persson, W. A. Weiss, T. T. Batchelor, A. Stemmer-Rachamimov, M. L. Suva, J. J. Phillips, M. K. Aghi, S. Mehta, R. K. Jain, and D. H. Rowitch, "A Glial Signature and Wnt7 Signaling Regulate Glioma-Vascular Interactions and Tumor Microenvironment," **Cancer cell**, Apr 6 2018.
5. D. Fukumura, **J. Kloepper**, Z. Amoozgar, D. G. Duda, and R. K. Jain, "Enhancing cancer immunotherapy using antiangiogenics: opportunities and challenges," **Nature Reviews Clinical Oncology**, Mar 2018.
6. S. Li, T. P. Kumar, S. Joshee, T. Kirschstein, S. Subburaju, J. S. Khalili, **J. Kloepper**, C. Du, A. Elkhal, G. Szabo, R. K. Jain, R. Kohling, and A. Vasudevan, "Endothelial cell-derived GABA signaling modulates neuronal migration and postnatal behavior," **Cell Research**, vol. 28, no. 2, pp. 221-248, Feb 2018.
7. D. P. Kodack, V. Askoxylakis, G. B. Ferraro, Q. Sheng, M. Badeaux, S. Goel, X. L. Qi, R. Shankaraiah, Z. A. Cao, R. R. Ramjiawan, D. Bezwada, B. Patel, Y. C. Song, C. Costa, K. Naxerova, C. S. F. Wong, **J. Kloepper**, R. Das, A. Tam, J. Tanboon, D. G. Duda, C. R. Miller, M. B. Siegel, C. K. Anders, M. Sanders, M. V. Estrada, R. Schlegel, C. L. Arteaga, E. Brachtel, A. Huang, D. Fukumura, J. A. Engelman, and R. K. Jain, "The brain microenvironment mediates resistance in luminal breast cancer to PI3K inhibition through HER3 activation," **Science translational medicine**, vol. 9, no. 391, p. eaal4682, May 24 2017.
8. O. T. Bruns, T. S. Bischof, D. K. Harris, D. Franke, Y. Shi, L. Riedemann, A. Bartelt, F. B. Jaworski, J. A. Carr, C. J. Rowlands, M. W. B. Wilson, O. Chen, H. Wei, G. W. Hwang, D. M. Montana, I. Coropceanu, O. B. Achorn, J. Kloepper, J. Heeren, P. T. C. So, D. Fukumura, K. F. Jensen, R. K. Jain, and M. G. Bawendi, "Next-generation in vivo optical imaging with short-wave infrared quantum dots," **Nature Biomedical Engineering** vol. 1, no. 4, p. 0056, 2017.
9. V. Askoxylakis, G. B. Ferraro, D. P. Kodack, M. Badeaux, R. C. Shankaraiah, G. Seano, **J. Kloepper**, T. Vardam, J. D. Martin, K. Naxerova, D. Bezwada, X. Qi, M. K. Selig, E. Brachtel, D. G. Duda, P. Huang, D. Fukumura, J. A. Engelman, and R. K. Jain, "Preclinical Efficacy of Ado-trastuzumab Emtansine in the Brain Microenvironment," **Journal of the National Cancer Institute**, vol. 108, no. 2, p. djv313, Feb 2016.
10. **J. Kloepper***, L. Riedemann*, Z. Amoozgar*, G. Seano, K. Susek, V. Yu, N. Dalvie, R. L. Amelung, M. Datta, J. W. Song, V. Askoxylakis, J. W. Taylor, C. Lu-Emerson, A. Batista, N. D. Kirkpatrick, K. Jung, M. Snuderl, A. Muzikansky, K. G. Stubenrauch, O. Krieter, H. Wakimoto, L. Xu, L. L. Munn, D. G. Duda, D. Fukumura, T. T. Batchelor, and R. K. Jain, "Ang-2/VEGF bispecific antibody reprograms macrophages and resident microglia to anti-tumor phenotype and prolongs glioblastoma survival," **Proceedings of the National Academy of Science U S A**, vol. 113, no. 16, pp. 4476-81, Apr 19 2016.
11. T. E. Peterson, N. D. Kirkpatrick, Y. Huang, C. T. Farrar, K. A. Marijt, **J. Kloepper**, M. Datta, Z. Amoozgar, G. Seano, K. Jung, W. S. Kamoun, T. Vardam, M. Snuderl, J. Goveia, S. Chatterjee, A. Batista, A. Muzikansky, C. C. Leow, L. Xu, T. T. Batchelor, D. G. Duda, D. Fukumura, and R. K. Jain, "Dual inhibition of Ang-2 and VEGF receptors normalizes tumor

- vasculature and prolongs survival in glioblastoma by altering macrophages," *Proceedings of the National Academy of Science U S A*, vol. 113, no. 16, pp. 4470-5, Apr 19 2016.
12. **J. Klopper**, W. Lindenmaier, U. Fiedler, A. Mehlhorn, G. B. Stark, and G. Finkenzeller, "High efficient adenoviral-mediated VEGF and Ang-1 gene delivery into osteogenically differentiated human mesenchymal stem cells," *Microvascular Research*, vol. 75, no. 1, pp. 83-90, Jan 2008.
 13. N. Iblher, **J. Kloepper**, V. Penna, J.-P. Bartholomae, and G. B. Stark, "Changes in the aging upper lip—a photomorphometric and MRI-based study (on a quest to find the right rejuvenation approach)," *Journal of Plastic, Reconstructive & Aesthetic Surgery*, vol. 61, no. 10, pp. 1170-1176, 2008.