


# BOZTEPE, BERIN, MSC.

## GENERAL INFORMATION

	<b>PhD Candidate</b>	<b>BOGN</b>
	University Hospital Heidelberg, Department of Neuroradiology Im Neuenheimer Feld 400 69120 Heidelberg, Germany	
	German Cancer research Center (DKFZ) Im Neuenheimer Feld 280 69120 Heidelberg, Germany	

## ACADEMIC EDUCATION & QUALIFICATION

Year(s)	Education
2018 – 2021	Master of Science Molecular Biosciences Major Neuroscience, Ruprecht-Karls-University, Heidelberg
2015-2018	Bachelor of Science Biology, Johannes-Gutenberg-University (JGU), Mainz

## SCIENTIFIC EDUCATION & QUALIFICATION

Year(s)	Education
Since 2022	PhD candidate, Dept. of Neuroradiology, University Hospital Heidelberg and German Research Center (DKFZ) Supervisor: Prof. Dr. med Michael Breckwoldt Ph.D.
2020-2021	Master Thesis: "Corticotectal and Trigeminothalamic Pathways and Neural Circuit Mapping in Superior Colliculus Using Viral Tracing", Dept. of Physiology and Pathophysiology, Ruprecht-Karls-University, Heidelberg Supervisors: Prof Dr. Alexander Groh and Dr. rer. nat. Jesus Martin-Cortecero
2019-2020	Internship: "Characterizing the hypothalamic perineuronal net through the development of obesity", Dept. of Physiology and Pathophysiology, University of Melbourne Supervisor: A/P Dr. Garron Dodd
2018	Bachelor Thesis: "Characterization of subpopulations of extracellular vesicles from blood plasma before and after exercise", Dept. of Sports Medicine, Johannes-Gutenberg University, Mainz Supervisors: Prof. Dr. Dr. Perikles Simon and Dr. Elmo Neuberger

## PROFESSIONAL EXPERIENCE

Year(s)	Experience
2020-2021	Ruprecht-Karls-University, Heidelberg Student assistant as part of Prof. Dr. Groh's Research group at the Institute of Physiology and Pathophysiology
2016 – 2018	Abbott GmbH & Co. KG, Wiesbaden Global Life Science Company Diagnostics, Medical Devices, Nutrition and Branded Generic Pharmaceuticals Working student as part of Research & Development (R&D) Team.

## SELECTED PUBLICATIONS

- Martin-Cortecero, J.\*, Isaías-Camacho, E. U.\*, Boztepe, B.\*, Ziegler, K., Mease, R. A., & Groh, A. (2023). Monosynaptic trans-collicular pathways link mouse whisker circuits to integrate somatosensory and motor cortical signals. *PLoS biology*, 21(5), e3002126. <https://doi.org/10.1371/journal.pbio.3002126>

2. Hunger, J., Schregel, K., Boztepe, B., Agardy, D. A., Turco, V., Karimian-Jazi, K., Weidenfeld, I., Streibel, Y., Fischer, M., Sturm, V., Santarella-Mellwig, R., Kilian, M., Jähne, K., Sahm, K., Wick, W., Bunse, L., Heiland, S., Bunse, T., Bendszus, M., Platten, M., ... Breckwoldt, M. O. (2023). *In vivo* nanoparticle-based T cell imaging can predict therapy response towards adoptive T cell therapy in experimental glioma. *Theranostics*, *13*(15), 5170–5182. <https://doi.org/10.7150/thno.87248>
3. Tetzlaff, S. K., Reyhan, E., Layer, N., Bengtson, C. P., Heuer, A., Schroers, J., Faymonville, A. J., Langeroudi, A. P., Drewa, N., Keifert, E., Wagner, J., Soyka, S. J., Schubert, M. C., Sivapalan, N., Pramatarov, R. L., Buchert, V., Wageringel, T., Grabis, E., Wißmann, N., Alhalabi, O. T., ... Venkataramani, V. (2025). Characterizing and targeting glioblastoma neuron-tumor networks with retrograde tracing. *Cell*, *188*(2), 390–411.e36. <https://doi.org/10.1016/j.cell.2024.11.002>
4. Fels-Palesandro, H., Heuer, S., Boztepe, B., Streibel, Y., Ungermann, J., Pan, C., Scheck, J. G., Fischer, M., Sturm, V. J., Azorín, D. D., Karimian-Jazi, K., Annio, G., Abdollahi, A., Weidenfeld, I., Wick, W., Venkataramani, V., Heiland, S., Winkler, F., Bendszus, M., Sinkus, R., ... Schregel, K. (2025). Assessment of Tumor Cell Invasion and Radiotherapy Response in Experimental Glioma by Magnetic Resonance Elastography. *Journal of magnetic resonance imaging : JMRI*, *61*(3), 1203–1218. <https://doi.org/10.1002/jmri.29567>
5. Streibel, Y., Breckwoldt, M. O., Hunger, J., Pan, C., Fischer, M., Turco, V., Boztepe, B., Fels-Palesandro, H., Scheck, J. G., Sturm, V., Karimian-Jazi, K., Agardy, D. A., Annio, G., Mustapha, R., Soni, S. S., Alasa, A., Weidenfeld, I., Rodell, C. B., Wick, W., Heiland, S., ... Schregel, K. (2024). Tumor biomechanics as a novel imaging biomarker to assess response to immunotherapy in a murine glioma model. *Scientific reports*, *14*(1), 15613. <https://doi.org/10.1038/s41598-024-66519-7>

\*equal contribution