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NADIA BIELER

Medical Doctor
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PROFILE

My research experience includes optimization of registration methods of DTI datasets to a template and the analysis of the results. For this purpose, we employed SPM, FSL and ANTs, and ran around 2368 different registrations of 37 different subjects. Cross correlation and weighted absolute differences were applied for the analyses of the results. This work constituted part of my doctoral thesis.

After graduating from medical school, I started a residency program in neurology, and after fulfilling the requirements for the specialty training, I shifted my focus on psychiatry and psychiatric research. Currently I would like to work on developing methods in early recognition and prevention of psychosis and explore the possibilities that machine learning has to offer to us in modern medicine.

As an additional extra-curricular activity, I participated as a tutor at the annual Munich Brain Course from 2015 – 2019. This experience had a positive effect in furthering my knowledge and interest in neuroanatomy and clinical neuroscience.