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She studied medicine at Ludwig Maximilian University in Munich, Harvard Medical School in Boston, and Université Paris-Diderot in Paris. She received her MD (2012) and doctoral degree (2014) from the Ludwig Maximilian University where she worked on autoantibodies in pediatric and adult patients with autoimmune central nervous system demyelination at the Max-Planck Institute of Neuroimmunology. She then pursued her residency and clinical training in neuroimmunology at the University of Basel, Switzerland. She moved to the University of California San Francisco (UCSF) from 2016 to 2019 to pursue her postdoctoral fellowship studying the cross-talk between gut microbiota and B cells in multiple sclerosis.

Her main research interests are elucidating the roles of B cells and antibodies in multiple sclerosis and related disorders, in particular the clinical and immunological characterization of patients with anti-MOG antibodies as well as the crosstalk of B cells and antibodies with gut microbiota.

Dr. Pröbstel's research is funded by the Swiss National Science Foundation, the National Multiple Sclerosis Society and the European Research Council in addition to intramural grants from the University of Basel. Dr. Pröbstel has published on MS, NMOSD and neuroinflammatory diseases in several top-tier journals including journals like *New England Journal of Medicine*, *Cell*, *Elife*, *Neurology*, *Journal of Immunology*, *Journal of Neuroinflammation*, *Rheumatology*, *Neurology*, *Neuroimmunology & Neuroinflammation*. She is a member of the Neuromyelitis optica International Clinical Consortium of the Guthy-Jackson Charitable Foundation and serves on the Editorial Board of *Frontiers in Immunology and Neurology* in addition to serving as an ad-hoc reviewer for *JAMA Neurology*, *Annals of Clinical and Translational Neurology*, *Neurology*, *JNNP*, *MSJ*, *Neurology Neuroimmunology & Neuroinflammation*, *Multiple Sclerosis And Related Disorders (MSARD)*, and *PLOS ONE*.