

Dr Tessa Peters MSc Biography

Tessa Peters is a PhD candidate at the Translational Metabolic Laboratory and the Department of Neurology of the Radboudumc in Nijmegen, the Netherlands. She has a big passion for translational research, wanting to make sure that impressive results from the lab find their way to the clinic, so that not only science, but also patients will benefit.

Tessa graduated with honours from Radboud University Nijmegen in 2016, with a master's degree in Biomedical Sciences. She started her career at the Radboud Biobank, a facility for scientists to store their collections of biospecimens, such as blood or cerebrospinal fluid (CSF), to be used in biomedical research. Here, she streamlined laboratory processes and advised researchers on how to set up an optimal collection of biospecimens and clinical data. Furthermore, she set up a biobank of her own for patients with inborn errors of iron metabolism. Inspired by the various research projects she supported, she decided to become a full-fledged researcher herself. In her current project, she focuses on neurometabolic disorders, studying CSF samples to find new biomarkers for diagnosis and treatment of these diseases. To do so, she uses "next-generation metabolic screening": a liquid chromatography/mass spectrometry approach that allows semi-quantitative measurement of ten thousands metabolites at a time. Her goal is to implement this approach in the diagnosis and management of neurometabolic patients, including those with AADC deficiency.