



## **Maria Tenje**

Prof Tenje graduated in 2007 with a PhD degree in Microtechnology from the Technical University of Denmark (DTU). From 2007-2013 she pursued her passion for microsystems with a post-doc position at DTU, followed by a research appointment at Lund University. She joined Uppsala University as an Associate Senior Lecturer in 2014, before being promoted to Senior Lecturer in 2016, and Professor in 2019. Prof Tenje leads the research group EMBLA (Enabling Microtechnologies for Biomedical and Life science Applications) comprising 21 members at MSc, PhD and Postdoc levels, with expertise spanning material science, nanotechnology, chemistry and physics. The research activities of EMBLA are focused on organs-on-chip (3D model of the blood-brain barrier), droplet microfluidics (new unit operators to expand the droplet microfluidic tool box) and microfabrication (advanced microfluidic solutions for single-cell analysis). The group has an interdisciplinary

character and uses microfabrication techniques combined with microfluidics to develop new platforms for visualisation and characterisation of cells to learn more about the human biology. The group addresses both fundamental research questions and develops microsystems that in the near future could find clinical and industrial applications. As well as leading her own research group, Prof Tenje is a Faculty Member of the Science for Life Laboratory in Uppsala and Director of the Customized Microfluidics pilot facility. She has received the L'Oréal-UNESCO Award 'For Women in Science' in Denmark and is a 2016 Wallenberg Academy Fellow.