

**Prof. Maria Asplund (IMEC / Chalmers University of Technology)**

**Talk title:** Engineering for biocompatibility and the vision of a seamless electrode-neuron interface

**Short Bio:**

Maria Asplund is an expert in bioelectronics including flexible microtechnology, tissue-device interaction and electronic biomaterials. She is appointed as professor in Bioelectronics at Chalmers University of Technology. After completing her PhD at the Royal Institute of Technology (Stockholm, 2009), she led her own research group at the University of Freiburg, Germany (2011-22). Her work has brought new technologies which contribute to smaller, more energy efficient and durable bioelectronics in the future. She currently holds ERC starting and proof of concept grants, is a Visiting Professor at Luleå University of Technology (2019-23) and an editorial board member of Scientific Reports and Bioelectronic Medicine. Since 2022 she is also the scientific secretary for the Swedish Society for Medical Engineering.