



Peter Loskill

Jun.-Prof. Dr. Peter Loskill is Assistant Professor for Experimental Regenerative Medicine at Eberhard Karls University Tübingen (EKUT) and Head of Innovation Field Cell and Tissue Technologies at Fraunhofer IGB (Stuttgart, Germany).

Dr. Loskill graduated in 2012 from Saarland University with a PhD in Physics focusing on Biointerface science. He then spent three years in the laboratory of Prof. K. E. Healy at the University of California at Berkeley. There, he worked as a postdoctoral fellow and project leader, funded by the NIH NCATS TissueChip program and the German Science Foundation, and developed Organ-on-chip (OoC) systems based on human iPS-cell technology. In 2015, he was named as one of Technology Review's "Innovators under 35 Germany" and was awarded a Fraunhofer ATTRACT Grant, the highest funded German starting grant program, which enabled him to start an independent research group at Fraunhofer IGB. In 2018, he accepted an offer for an assistant professor position in the Faculty of Medicine at EKUT. Dr. Loskill and his interdisciplinary μ Organo lab (<http://loskill-lab.com/>) combine expertise and approaches from different areas of engineering, biology, physics and medicine to generate next generation tissue models recapitulating complex human biology in vitro. His research focuses i) on the development of tailored OoC platforms that integrate complex human tissues into microphysiological environments featuring vasculature-like perfusion as well as aspects of the immune system, ii) on the application of OoC for pharmaceutical research, toxicological screening, clinical research, and mechanistic studies, as well as iii) on the development of enabling technologies for OoC that support parallelization, automation and ease of use. To advance OoC research in Europe, he currently coordinates the European training network EUROoC (H2020-MSCA-ITN; <https://www.eurooc-itn.eu/>) is part of the management board of the IMI2 project imSAVAR (<https://imsavar.eu/>) focusing on novel approaches for immune safety assessment, has initiated the EUROoC conference series, and serves as the vice-chair and founding member of the European OoC Society (EUROoCS; <https://www.euroocs.eu/>).