

5th MPS User Days – Microsystems for Physiological Cell Culture

February 3, 2026 | Online



PROGRAM*

09:30–09:35 (CET)	Opening and Introduction <i>Florian Schmieder Fraunhofer IWS</i>
09:35–10:50	Session 1: Basics and Enabling Technology
09:35–09:50	Cryopreservation Strategies in Pathology: Basics, Use Cases and Workflows <i>Mandy Petzold Fraunhofer IWS</i>
09:50–10:05	Glass Instead of Ice: Fundamentals and Practice of Tissue Vitrification <i>Saskia Metzger Fraunhofer IBMT</i>
10:05–10:20	Scaling Vitrification: Microfluidic Systems and Automated Workflows <i>Hedvika Maxová Fraunhofer IWS</i>
10:20–10:35	GMP-Compliant Technology and Processes in Cryostorage <i>Federico Guillermo Gharzia BioKryo GmbH</i>
10:35–10:45	Short Break
10:45–11:15	Session 2: MPS Applications
10:45–11:00	Faster Freeze, Better Science: Vitrification Boosts Immunity and Tissue Integrity in Biobanking <i>Katharina Sewald Fraunhofer ITEM</i>
11:00–11:15	Cryoconservation of Perinatal Blood and Tissue and How it is Prepared for Medical Use <i>Tomasz Ołdak FamiCord AG</i>
11:15–11:30	Q&A and Discussion

*as of January 22, 2026 | subject to changes