



WORKSHOP

IMPreT – *In vitro* Models for Precision Therapies

November 7, 2025

Venue: Jacob Berzelius Salen, Karolinska Institutet; Berzelius väg 3, 171 65 Solna, Sweden

08:30-09:00	Arrival, registration and coffee	
09:00-09:10	Opening & Welcome	
09:10-09:50	Keynote <i>Multi-organ microphysiological systems for cardiovascular, renal, and metabolism research</i>	Liisa Vilén <i>AstraZeneca</i>
09:50-10:10	<i>Restless bandits and self-driving microscopes</i>	Joakim Jaldén <i>KTH</i>
10:10-10:30	<i>Neural organoids and organ-on-chips</i>	Rekha Tripathi, Ana Spencer <i>KTH</i>
10:30-10:50	Coffee break	
10:50-11:30	Keynote <i>CNS×3 – Centre for Person-Centred Brain Models and Therapies</i>	Sven Nelander <i>Uppsala University</i>
11:30-11:50	<i>Functionalized recombinant silk as ECM-mimic for advanced cell culture</i>	My Hedhammar <i>KTH</i>
11:50-12:10	<i>Modelling the colon tumor microenvironment: A 3D silk-scaffold in vitro network to investigate the role of estrogen and hypoxia</i>	Susanna Hellberg <i>KTH</i>
12:10-13:10	Lunch break	
13:10-13:50	Keynote <i>Long-term in vitro expansion of a human tripotent fetal pancreas progenitor cell</i>	Amanda A. Rolf <i>Karolinska Institutet</i>
13:50-14:10	<i>Enabling materials for organs-on-chips: from interactions with biochemistry to biology</i>	Thomas Winkler <i>KTH</i>
14:10-14:30	<i>Correlative imaging of immune responses in tumor spheroids assembled in microwell arrays</i>	Björn Önfelt <i>KTH</i>
14:30-14:50	<i>Patient-representative cell models for monogenic diseases</i>	Cristina Al-Khalili Szigyarto <i>KTH</i>
14:50-15:10	Coffee break	
15:10-15:50	Keynote <i>Cell-based immune therapy for cancer</i>	Andreas Lundqvist <i>Karolinska Institutet</i>
15:50-16:10	<i>Spatial blueprints of human cardiogenesis: from mapping to modeling</i>	Enikő Lázár <i>KTH</i>
16:10-16:30	<i>The circulating proteome as a diagnostic resource</i>	Fredrik Edfors <i>KTH</i>
16:30-17:00	Round Table Discussion	
17:00-17:10	Closing remarks & Wrap-up	
18:00-20:00	Dinner with speakers	