Lecture schedule - Lab-on-a-chip in biomedical applications 2020 - EEMN26

v.13	**23/3**	10-12	Thomas Laurell	Introduction to Lab-on-a-chip, microfluidics and scaling laws	**26/3**	10-12	Thomas Laurell	Chip based cell separation I: Acoustic
v.14	**30/3**	10-12	Andreas Lenshof Mats Ehinger	Flow cytometry Clincial applications of flow cytometry	**2/4**	10-12	Simon Ekström Markus Heidenblad	DNA analysis on chip DNA analysis methods in the clinic
v.15	**6/4**	10-12	Sabeth Verpoorte Johan Malm	Paper microfluidics Diagnostic test strips in clinical use	**9/4**	10-12	Thomas Laurell	Chip based cell separation II: Inertia, Deterministic Lateral Displacement, Dielectophoresis, Magnetic
v.19	**4/5**	10-12	Johan Nilsson Håkan Jönsson	Droplet microfluidics Bioanalytical applications of droplet microfluidics	**7/5**	10-12	Andreas Lenshof Adam Morell	Coulter counter principle & Imaging Cytometry Automated clinical cell analysis - Cellavision AB
v.20	**11/5**	10-12	Axel Broman	Cell och particle trapping; Cell and particle	**14/5**	10-12	Jörg Kutter	Molecular separation - Fundamental CE, LC Molecular separation - LOC applications
v.21	**18/5**	10-12	Thomas Laurell	Microarray and microbead based assays	**20/5**	13-15	Thomas Laurell Mirjam Andreasson	Lab-on-a-chip based point of care diagnostics Point-of-care diagnostics - HemoCue AB
v.22	**25/5**	10-12	Marc Isaksson Trygve Sjöberg	In chip cell culturing and organs on-a-chip Organ conditioning for transplantation	**28/5**	10-12	Stefan Scheding	Cell separation in clinical hematopoietic stem cell transplantation