	Bioimaging Chair Per Ljungdahl
09:00	Opening note - Per Ljungdahl, SciLifeLab Campus Solna Director
09:05	Ilaria Testa (KTH), A new observable window into living cells at high spatio-temporal resolution
09:15	Taras Sych (KI), Biophysical characterization of nano-sized physiological lipid particles with fluorescence
	flucutuometry
09:25	Linnea Nordahl (KTH), Interactions within the Na/K-ATPase
09:35	Hans Blom (KTH), Diagnosis of kidney diseases with all scale optical microscopy
09:45	Q&A with speakers
10:00	Break
	Cellular and Molecular Biology
	Chair: Marcel Tarbier
10:10	Lucie Delemotte (KTH), Elucidation of G protein-coupled receptor activation via data-driven modeling
10:20	Alexey Amunts (SU), Structural studies of bioenergetic complexes
10:30	Fitz Gerald S. Silao (SU), Proline assimilation is intrinsic to the opportunistic ecophagy of Candida albicans-
	infected hosts
10:40	Paul Hudson (KTH), Engineering the microbial Calvin cycle for bio-sustainability applications
10:50	Q&A with speakers
11:05	Break
	Cellular and Molecular Biology
	Chair: Vicent Pelechano
11:15	Eleni Gelali (KI), Deconwolf: a free deconvolution software that can facilitate imaging-based spatially
	resolved omics
11:25	Lukas Käll (KTH), Survival Analysis Based on Cancers' Pathway Activity
11:35	Maurice Grube (KI), Small molecule activation of OGG1 increases base excision repair by gaining a new
	enzymatic function
11:45	Banushree Kumar (KI), Function of PRC2 in naïve and primed human pluripotency
11:55	Q&A with speakers
12:10	End of day

## Tuesday

	Nucleic Acids and Multi-omics Chair: Alexey Amunts
09:00	Opening note
09:05	<b>Stefania Giacomello</b> (KTH), Understanding the impact of spaceflight on mouse brain and heart by using spatial multiomics methods
09:15	Marc Friedländer (SU), Ancient RNA - possibilities and challenges
09:25	Christian Sommerauer (KI), Are female sex hormones the key to preventing liver diseases?
09:35	<b>Claudia Kutter</b> (KI), High resolution RAPseq identifies functional propensities of RNA binding proteins in diseases and species evolution
09:45	Q&A with speakers
10:00	Break
	Nucleic Acids and Multi-omics
	Chair: Alexey Amunts
10:10	<b>Paula Pierozan</b> (SU), re common per- and polyfluoroalkyl substances linked to breast cancer? -mechanistic studies by high-content screening and DNA methylation analysis
10:20	<b>Kristoffer Sahlin</b> (SU), Strobemers: an alternative to k-mers for sequence comparison, clustering, and alignment
10:30	Alisa Alekseenko (KI), OPUS-seq: One Pot Double Stranded UMI Sequencing
10:40	Lilit Nersisyan (KI), RNA degradation analysis reveals ribosome dynamics in complex microbiome samples
10:50	Q&A with speakers
11:05	Break
	Nucleic Acids and Multi-omics
	Chair: Vaishnovi Sekar
11:15	Cecilia Williams (KTH), Colorectal cancer development: sex differences and impact of estrogen
11:25	<b>Erik Sonnhammer</b> (SU), Network-based pathway analysis and drug repurposing, with application to COVID-19
11:35	Jean Hausser (KI), Quantitative principles of tumor micro-architecture
11:45	Boyang Guo (KTH), The perfect fit: enzyme and substrate conformations in plastic degradation
11:55	Q&A with speakers
12:10	End of day

## Wednesday

	Epidemiology and Diagnostics Chair: Lucie Rodriguez
09:00	Opening note
09:05	Petter Brodin (KI), Human systems immunology
09:15	Ludvig Larsson (KTH), Molecular characterization of the mouse intestine
09:25	Jochen Schwenk (KTH), Decoding clinical heterogenity with the circulating proteome
09:35	Tea Dodig-Crnkovic (KTH), Multiplexed analysis of the GPCR-RAMP interactome
09:45	Q&A with speakers
10:00	Break
	Epidemiology and Diagnostics
	Chair: Aditi Shenoy
10:10	Peter Nilsson (KTH), Development of a multiplex COVID-19 serology
10:20	Mats Nilsson (SU), The single sell- and spatial biology platform
10:30	Isabelle Leo (KI), Using proteomics to guide translational study of biology and biomarkers in childhood ALL
10:40	Aman Russom (KTH), Life at the micro- and nanoscale: microfluidics for clinical applications
10:50	Q&A with speakers
11:05	Break
	New Recruitments
	Chair: Disa Hammarlöf
11:15	<b>Iskra Pollak Dorocic</b> (SU), Deciphering the molecular, anatomical and functional diversity of neuromodulatory neurons
11:25	<b>Anniina Vihervaara</b> (KTH), Coordinating transcription at physically-linked genes and enhancers in stress and development
11:35	Saeed Shoaie (KTH), Global and temporal state of human microbiome
11:45	Tuuli Lappalainen (KTH), Functional variation in the human genome: lessons from the transcriptome
11:55	Q&A with speakers
12:10	Science communication awards
12:15	Closing note - Olli Kallioniemi, Director SciLifeLab