

WORKSHOP PROGRAM: Towards in silico-guided clinical trials in cancer

Scandic Holmenkollen Hotel, Oslo - May 15-16 2019

	Wednesday 15		Thursday 16	
8:00-8:45	Registration			
8:45-9:00	Welcome	Chair		Chair
9:00-9:35	R. A. Gatenby Using evolutionary principles to delay or prevent treatment resistance in clinical cancer trials	V.N.K	I. Gut A pan-cancer view of tumor genomes	G. Atwal
9:35-10:10	S. Hautaniemi Systems biology of tumor resistance		P. Van Loo Molecular archeology of cancer	
10:10-10:40	Coffee Break		Coffee Break	
10:40-11:15	A. T. Pearson Integrated in-vitro, in-vivo, and in-silico experiments for combination clinical oncology treatment optimization	G.B.	P. Fasching In silico vs clinical tumor board	A. T. Pearson
11:15-11:50	M. Robertson-Tessi Challenges and opportunities for model-driven cancer therapy: from theory to practice		S. Ganesan Monitoring clonal dynamics in the clinic	
11:50-12:25	H. Hatzikirou The impact of cancer cell decision-making in tumor progression		G. Bhanot A quasi birth-death model for tumor recurrence	
12:25-13:25	Lunch Break	RESCUER Coordination Meeting	Lunch Break	
13:25-14:10	G. Atwal Computational biology of the tumor microenvironment and checkpoint blockage immunotherapy	P. Van Loo	Sven Furberg Seminar by Günter Klambauer Deep learning methods in early-stage drug discovery	V. Greiff
14:10-14:45	J. Casado Computational analysis of single cell proteomics data		V.N. Kristensen The usefulness of omics for mathematical modeling of treatment response	S. H.
14:45-15:20	W. Wang Mutation-based expression deconvolution identifies differential transcriptional activity across cancer (sub)types in ovarian cancer		R. Jörnsten Therapeutic targets from big data: data integration for discovery of treatments	
15:20-15:50	Coffee Break		Coffee Break	
15:50-16:25	A. Köhn-Luque Towards personalised computer simulations of breast cancer treatment	M. R. Tessi	K. Leder Mathematical models for designing optimal cancer treatment schedule	H. H.
16:25-17:00	J. Foo Detecting treatment-response heterogeneity in cell populations		Wrap up & closing A. Frigessi, K. Tasken R. A. Gatenby & I. Gut	
19:00	Speakers Dinner		Sightseeing / Evening Tour	