

Program – Computational Oncology Conference – Andermatt

Sunday, 10.04

15:00 – 19:30	Check-in
19:30 – 22:00	Dinner @ Radisson Blu

Monday, 11.04.

08:30 – 10:15	Jens Lagergren	Welcome words
	David Posada	Tumor phylogeography and phylodynamics with single cells
	Senbai Kang	SIEVE: Joint Inference of Tumor Phylogeny and Variant Calling from Single-cell DNA Sequencing Data
	Nico Borgsmueller	Single-cell DNA-seq data reveals deviations from clock-like evolution in cancerous and healthy tissue
10:15 – 10:45	Coffee Break	
10:45 – 12:15	Giovanni Ciriello	Cancer evolution through chromatin plasticity
	Mohammadreza Mohaghegh	Tree of mutually exclusive oncogenes
	Fabian Crespo	Bayesian estimation of growth rates from single cell DNA tumor data
12:15 – 13:30	Lunch	
13:30 – 17:00	Social/Winter activity*	
17:15 – 17:45	Coffee Break	
17:45 – 19:00	María Rodrigues Martínez	AI-driven approaches for cancer personalized medicine
	Yeman Brhane Hagos	Deep learning to decipher the multispectral immune landscape of follicular lymphoma
19:30 – 22:00	Dinner @ Restaurant Ochsner (Cheese Fondue)	

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Tuesday, 12.04.

	Social/Winter activity*	
13:15 – 14:30	Lunch	
14:30 – 16:00	Sarah Aitken	Re-running cancer evolution in vivo: a high-resolution multi-omics approach
	Jose Bonet	Direct detection of different sources of DNA damage through Nanopore sequencing
	Hania Kranas	Genomic segments with different UV DNA damage repair dynamics
16:00 – 16:30	Coffee Break	
16:30 – 17:40	Mathilde Meyenberg	Obesity Associated Cancers - A DNA Repair Perspective
	Magda Markowska	CONET: Copy number event tree model of evolutionary tumor history for single-cell data
17:40 – 18:10	Coffee Break	
18:10 – 18:50	Arthur Dondi	Single-cell transcript isoform sequencing for precision oncology
	Mandi Chen	Detect DNA base modifications on Nanopore sequencing data
19:30 – 22:00	Dinner @ Restaurant Spycher (Pizza)	

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Wednesday, 13.04.

08:00 – 12:00	Checkout	
08:50 – 10:00	Aedin Culhane	tba
	Michael Schneider	Signatures of Mutational Processes in Single Cells
10:00 – 10:30	Coffee Break	
10:30 – 12:00	Nuria López-Bigas	Studying the mutagenic and cancer promotion effect of chemotherapies
	Hrvoje Misetic	Identification and impact of clonal and subclonal driver alterations during cancer progression at single-patient resolution
	Monica Valecha	Benchmarking single-cell DNA somatic variant callers.
12:00 – 13:30	Lunch	

* Skiing:

Ski pass: 68 CHF for ½ day, 83 CHF for 1 day, 121 CHF for 2 days

(<https://www.anderstatt-sedrun-disentis.ch/en/stories/skikarte-fuer-anderstatt-sedrun-disentis>)

Rental: several in Andermatt, e.g.,

<https://www.intersportrent.ch/skimiete-anderstatt>

<https://imholzsport-anderstatt.ch/en/>

(Also several cross-country skiing routes)

Sledging: <https://www.anderstatt-sedrun-disentis.ch/en/stories/sleding>

½ day sledge pass (cable car/ trains): 23 CHF

Sledge rental: ~15 CHF

Winter hiking/Snowshoe hiking (depending on snow conditions):

<https://www.anderstatt.ch/en/discover/Holidays-for-nature-lovers/winter-walking>

<https://www.anderstatt.ch/en/discover/Holidays-for-nature-lovers/snowshoe-trekking>

Snowshoe rental: ~20 CHF