## 3rd Course on Computational Systems Biology of Cancer: Promises of Artificial Intelligence September 28 - October 2, 2020 hours are in CEST zone

VIRTUAL EMBO / FEBS / Institut Curie Training Unit International Course VIRTUAL

	TIME EIGHT	7 montate Game Training Gift international Goal Ge Vitt GAL			
Monda	Monday, September 28th Session 1: Machine learning in prior knowledge applications for data analysis				
	Damjana Rozman University of Ljubljana, SI	Welcome and opening remarks by FEBS representative (Plenary Hall)			
	Andrei Zinovyev Institut Curie, FR	Didactic introductory lecture on Al approaches in systems biology (Plenary Hall)			
10:00 11:00	Talks selected from abstracts	15 minutes/presentation (Parallel sessions: Plenary Hall, Meeting room A)			
11:00 13:00	Lunch / Poster session (Parallel sessions: Poster rooms 1-8)				
Monda	Monday, September 28տ Session 2: Network biology in Artificial Intelligence era				
	Laura Cantini IBENS-ENS, FR	Benchmarking of computational approaches to multi-omics data analysis (Plenary Hall)			
	Nataša Pržulj Barcelona Supercomputing Center, ES	Analyzing Network Data in Biology and Medicine (Plenary Hall)			
15:00 15:30	Coffee break / Meet the speaker (Parallel sessions: Meeting rooms A-C)				
15:30 17:30	Poster session (Parallel sessions: Poster rooms 1-8)				
17:30 18:15	Talks selected from abstracts	15 minutes/presentation (Parallel sessions: Plenary Hall, Meeting room A)			
18:30 19:30	Welcome cocktail /	Virtual Apéro (Parallel sessions: Meeting rooms A-C, Poster rooms 1-2)			

Tueso	Fuesday, September 29th Session 3: Patient stratification and disease classification using Artificial Intelligence methods (1)				
	Nataliya Sokolovska University Pierre et Marie Curle, FR	Interpretable models for clinical scores (Plenary Hall)			
10:00 11:00	David Wedge The Big Data Institute, UK	Stratification of prostate cancers through the application of machine learning to sequencing data (Plenary Hall)			
11:00 11:30	Coffee break / Meet the speaker (Parallel sessions: Meeting rooms A-C)				
11:30 13:30		Poster session (Parallel sessions: Poster rooms 1-8)			
Tueso	Tuesday, September 29th. Session 4: Patient stratification and disease classification using Artificial Intelligence methods (2)				
	Susana Vinga Instituto Superior Técnico, PT	Cancer classification and survival analysis through sparse optimization and network-based regularisers (Plenary Hall)			
	Valentina Boeva ETH, Zurich, CH	Machine learning methods for the detection of intratumoral heterogeneity in cancer (Plenary Hall)			
15:30 16:00	Coffee break / Meet the speaker (Parallel sessions: Meeting rooms A-C)				
16:00 17:30	Talks selected from abstracts	15 minutes/presentation (Parallel sessions: Plenary Hall, Meeting room A)			
17:30 18:00		COVID 19 - biomedical observations (Plenary Hall)			

Wadne	Nednodov Contember 20th Consign F. Machine Learning applications in presision medicine (4)				
veuli	Wednsday, September 30th Session 5: Machine Learning applications in precision medicine (1)				
	Chloé-Agathe Azencott Centre for Computational Biology, MII	NES ParisTech, FR	Feature selection with regularization in high-dimensional genomics data (Plenary Hall)		
	Yves Moreau KULeuven, BE		Bayesian matrix factorization and deep learning for drug discovery and precision medicine (Plenary Hall)		
11:00 11:30	Coffee break / Meet the speaker speaker (Parallel sessions: Meeting rooms A-C)				
11:30 12:30	Talks selected from abstracts		15 minutes/presentation (Parallel sessions: Plenary Hall, Meeting room A)		
12:30 13:30					
Wedn	Wednsday, September 30th Session 6: Machine Learning applications in precision medicine (2)				
	<b>Jean-Philippe Vert</b> Google, FR		Robust machine learning for cancer precision medicine (Plenary Hall)		
	Olli Kallioniemi SciLifeLab, SE		Al approaches in Precision Cancer Medicine (Plenary Hall)		
	Lodewyk Wessels Netherlands Cancer Institute, NL		Mapping cellular networks in cancer (Plenary Hall)		
16:30 17:00					
17:00 18:00	Poster session (Parallel sessions: Poster rooms 1-8)				

Thursday, October 1st Session 7: Tumor genetics and epigenetics (1)		netics (1)			
	Christina Leslie Memorial Sloan Kettering Cancer Center, USA	Machine learning in regulatory genomics and systems biology (Plenary Hall)			
	Andrew Teschendorff University College, UK	Machine Learning approaches for large scale multi-dimensional cancer omics data analysis (Plenary Hall)			
	Julio Saez-Rodriguez Heidelberg University, DE	Supporting Machine Learning with Prior Biological Knowledge to extract insight from omics data (Plenary Hall)			
12:00 12:30	Coffee break / Meet the speaker (Parallel sessions: Meeting rooms A-C)				
12:30 13:30	Lunch / Poster session (Parallel sessions: Poster rooms 1-8)				
Thurs	Thursday, October 1st Session 8: Tumor genetics and epigenetics (2)				
	Touati Benoukraf MUN, CA	DNA methylation and Cancer (Plenary Hall)			
14:30 15:30	List of speakers TBA	Career development WS: Invited speakers, pharma and scientific editing representatives, platform managers speaking on their career (Plenary Hall)			
15:30 16:00	Coffee break / Meet the speaker (Parallel sessions: Meeting rooms A-C)				
16:00 17:00	Talks selected from abstracts	15 minutes/presentation			
17:00 19:00	Master student's journal club	Presesentation of milestone papers (Parallel sessions: Meeting rooms A-C)			

Friday	riday, October 2nd. Session 9: Bioimage Informatics in cancer research (1)		
09:00 10:00	Nasir Rajpoot University of Warwick, UK	The Promise of Computational Pathology (Plenary Hall)	
10:00 11:00	Florian Markowetz University of Cambridge, UK	Image analysis of the tumour tissue and early detection by AI (Plenary Hall)	
11:00 11:30	( Cottee break Meet the speaker (Parallel sessions: Meeting rooms A.( C)		
11:30 13:30			
Friday	riday, October 2nd Session 10: Bioimage Informatics in cancer research (2)		
	Thomas Walter Centre for Computational Biology, MINES ParisTech, FR	Exploring the spatial aspects of gene expression (Plenary Hall)	
	Emma Lundberg SciLifeLab, SE	Al for improved spatial proteomics (Plenary Hall)	
15:30 16:00	(Inter break / Meet the speaker (Parallel sessions: Meeting rooms A.I.)		
16:00 17:30	Master student's journal club	Presentation of milestone papers (Parallel sessions: Meeting rooms A-C)	
17:30 18:00	Closing remarks, prizes for presentations and posters (Plenary Hall)		
18:00 19:00	Farewell cocktail / Virtual Apéro (Parallel sessions: Meeting rooms A-C, Poster rooms 1-2)		