

19th European Conference on Computational Biology

Planetary Health and Biodiversity

31st August - 8th September 2020











#ECCB2020

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WEST	EEST	CDT	CEST	MONDAY, 7 September		TUESDAY, 8 September		CEST
08.00 - 08.10	10.00 - 10.10	02.00 - 02.10	09.00 - 09.10	ECCB2020 - Virtual Opening		Announcements		09.00 - 09.10
08.10 - 09.00	10.10 - 11.00	02.10 - 03.00	09.10 - 10.00	Keynote by Modesto Orozco on Simulation of DNA. from the atom to the chromatin Chaired by Alfonso Valencia		Keynote by Fabian Theis on Modeling cellular state and dynamics in single cell genomics Chaired by Marc Marti-Renom		09.10 - 10.00
				Chaired by Stephane Rombauts Chaired by Patrick Aloy Chaired by	el Track #03 Data by Josep Lluís Gelpí	Parallel Track #07 - Chaired by Toni Gabaldón Data Genomes	Parallel Track #08 - Chaired by Ana Conesa Genes Protein	
09.00 - 10.00	11.00 - 12.00	03.00 - 04.00	10.00 - 11.00	Maor Asif DeepSELDX: Inferring DNA-binding Fasible-Metabolic-Pathway-Exploration Thomas Gumbsc Thomas	SNP-Gene-Disease Network	Joanna Ficek SCIM: Universal Single-Cell Matching with Unpaired	Robust Gene Expression Embeddings	
				Tahui Long Ensembling graph attention prediction of the properties of the production of the producti	SCHNEL: Scalable clustering of ngle-cell data FastSK: Fast Sequence Analysis Kernels	Marieen Nieboer swill: Predicting the pathogenic effect of TAl boundary/disrupting somatic structural variants through multiple instance learning Luca Nanni Exploring Chromatin Conformation and Gene Co Expression through Graph Embedding	Wentjing Xuan CLPred: A sequence-based protein crystallization predictor using BLSTM neural network. Janani Durairaj Geometricus Represents Protein Structures as Shape-mers Derived from Moment Invariants	
10.00 - 10.20	12.00 - 12.20	04.00 - 04.20	11.00 - 11.20	BioBreak		BioBreak		11.00 - 11.20
10.20 - 11.10	12.20 - 13.10	04.20 - 05.10	11.20 - 12.10	Keynote by Geneviève Almouzni on Chromatin plasticity, cell fate and identity Chaired by Christine Orengo		Keynote by Bissan Al-Lazikani on More than the sum of parts: Multidiciplinary big data in cancer therapy Chaired by Patrick Aloy		11.20 - 12.10
11.10 - 12.10	13.10 - 14.10	05.10 - 06.10	12.10 - 13.10		el Track #06 Data py Josep Lluís Gelpí	Parallel Track #09 Genes Chaired by Artemis Hatzigeorgiou	Parallel Track #10 Proteins Chaired by Mark Wass	
				Jack Lanchantin Graph Convolutional Networks Salvador Casani Padhoc: A computational for Epigenetic State Prediction Using Both Sequence and 3D Genome Data Service Dord-Relegancy Probabilistic Graph Methods for with Cross-Species a	and Side Information	Milad Mokhtaridoost An efficient framework to identify ke miRNA-mRNA regulatory modules in cancer	Lutino Marino I DDODodoto accordo acadelar of austria	
				Bacteria: The Computational Hardness of the Networks Replace and New Methods to Address it.	a GTR+F substitution model for vergence when stationarity and sumptions are violated		binding residues from proteins sequences via dynamic predictor selection Yisu Peng New mixture models for decoy-free false discovery rate estimation in mass-spectrometry proteomics	12.10 - 13.10
				Sarah Christensen Detecting Evolutionary David Merrell Inferring Signaling Pathways with Probabilistic Programming Pathways with Probabilistic Programming Pathways with Probabilistic Progr	Supervised learning on ributed data The Effect of Kinship in Re- s Against Genomic Data Sharing	Guillem Ylla MirCure: A tool for quality control, filter, and curation of microRNAs of animals and plants	Zhenling Peng APOD: accurate sequence-based predictor of disordered flexible linkers	
12.10 - 12.30	14.10 - 14.30	06.10 - 06.30	13.10 - 13.30	EMBL-EBI Beacons European Bioinformatics Institute	7 Against Genomic Bata Sharing	RES Spanish Supercomputing Network		13.10 - 13.30
12.30 - 14.00	14.30 - 16.00	06.30 - 08.00	13.30 - 15.00	Break		Break		13.30 - 15.00
14.00 - 15.20	16.00 - 17.20	08.00 - 09.20	15.00 - 16.20	A glimpse into Global Bioinformatics Communities: Latin America - SolBio Chaired by Javier De Las Rivas Benitton Carvalho The Brazilian Initiative on Precision Medicine: Strategies and Findings Gregorio Iraola Building city-scale genomic cartographies for improved response to emerging infectious diseases Wendy González Diaz Molecular Modeling of Ion Channels-Associated Diseases Alejandra Medina Rivera Logical modeling of dendritic cells in vitro differentiation from human monocytes unaveis novel transcriptional regulatory interactions		A glimpse into Global Bioinformatics Communities: ELIXIR Guired by Jennifer Harrow		15.00 - 16.20
						Sameer Velankar 30-Beacons: An integrative, distributed platform for FAIR access to experimental and predicted macromolecular structures Jose Ramon Macias Gonzalez 30Bionotes-COVID19 Edition: bringing together structural and		
						Solve Market Musica on SARS-GOV-2 proteome Deborah Caucheteur COVoc:a COVID-19 ontology to support literature triage		
						Bjoern Gruening The ELXIR Tools Platform - solutions for COVID-19 research		
						Azab Abdulrahman Nordic development on federating the EGA		
						Flora D'Anna FAIR data by design		
15.20 - 15.30	17.20 - 17.30	09.20 - 09.30	16.20 - 16.30	BioBreak		Bio Break		16.20 - 16.30
15.30 - 16.20	17.30 - 18.20	09.30 - 10.20	16.30 - 17.20	Keynote by Deborah Marks on Prediction and design of biological sequences with neural machines Chaired by Baldo Oliva		Keynote by Londa Schiebinger on Gendered Innovations in Biomedicine, Machine Learning, and Robotics Chared by Niklas Blomberg		16.30 - 17.20
16.20 - 16.30	18.20 - 18.30	10.20 - 10.30	17.20 - 17.30	Announcements		ECCB2020 -	Virtual Closing	17.20 - 17.30
16.30 - 18.00	18.30 - 20.00	10.30 - 12.00	17.30 - 19.00	Network & Connect				