

	Monday 29 th november		Tuesday 30 th november		Wednesday 1st décembre	
9H00 - 9H30	Arrival of Buses to Pasteur 9.00 am - Départure 9.30 am	9H30 - 10H	Sequence Bioinformatics Group R. Chikhi: The Sequence Bioinformatics group L. Denti: Human structural variant detection with accurate long reads	9H30 - 10H15	Keynote 2 I. Bloch: Hybrid AI for biomedical image understanding – Towards explainability	
9H30 - 12H25	TRAVEL	10H00 - 10H20	Structural Bioinformatics Unit O. Sperandio: In silico contributions to the design of therapeutic compounds against protein-protein interactions			
		10H20 - 10H50	COFFEE BREAK	10H15 - 10H55	COFFEE BREAK	
		10H50 - 11H20	Statistical Genetics Group H. Aschard: Genetic Epidemiology in the Big Data era A. Frouin: Use of new kernel matrix for bacterial GWAS C Boetto: Dissecting The Predictors Of Microbiome Variability	10H55 - 11H15	Decision and Bayesian Computation Group F. Laurent: Single-molecule localization microscopy	
		11H20 - 11H40	Bioinformatics & Biostatistics Hub R. Torchet + H. Julienne: Gender Speaking Differences in Academia	11H15 - 11H35	Bioinformatics & Biostatistics Hub O. Mirabeau: Spatial transcriptomics in Zebrafish	
		11H40 - 12H00	Institut Necker Enfant Malades G. Panasyuk : Metabolomics sheds light on surprising function of the ancient signaling pathway in maintaining metabolic homeostasis	11H35 - 11H55	Institut Necker Enfant Malades M. Pontoglio: HNF1B, a bookmarking transcription factor at the heart of cell quiescence/differentiation	
		12H00 - 12H20	Physics of Biological Function Unit T. Gregor: Linking DNA polymer and transcription dynamics	11H55 - 12H15	Spatial Organisation of Genomes Unit A. Courmac: Spatial Organisation of Genomes	
12H35 - 14H15	LUNCH	12H20 - 14H15	LUNCH	12H15 - 14H15	LUNCH	
14H15 - 14H30	C. Zimmer: <i>Welcome and introduction</i>	14H15 - 15H00	Keynote 1 J-P. Vert: Deep language models for DNA and proteins	14H15 - 14H30	Centre de Ressources en information scientifique, Data Management Core Facility (CeRIS) A-C Delétoile et F. Sebire: Management and sharing of research data and software code at the Institut Pasteur	
14H30 - 15H00	Imaging and Modeling Unit C. Zimmer: Imaging and modeling high resolution chromatin structure J. Bai: Enhancing super-resolution microscopy with deep learning	15H00 - 15H20	Synapse and Circuit Dynamics Unit D. DiGregorio: Temporal predictions using biological neural networks	14H30 - 14H45	Direction des Systèmes Informatiques (DSI) Y. Ghorbal: HPC resources @Pasteur (past, current and future)	
15H00 - 15H20	Bioinformatics & Biostatistics Hub C. Malabat : Overview of the Hub G. Millot : A New Route For Integron Cassette Dissemination Among Bacterial Genomes	15H20 - 18H30	ACTIVITIES	14H45 - 15H05	Metagenomic signatures S. Kennedy: Perinatal mother-infant microbiota	
15H20 - 15H40	Microbial Evolutionary Genomics Unit J. Moura de Sousa: To catch a hijacker: abundance, evolution and genetic diversity of P4-like bacteriophage satellites			15H05 - 15H25	Evolutionary Bioinformatics Unit A. Zhukova: Cuban history of CRF19 recombinant subtype of HIV-1	
15H40 - 16H10	InBio G. Batt: Experimental and Computational Methods for Modeling Cellular Processes J. Ruess: From Single Cells To Populations And Back: Optogenetic Control Of Microbial Communities			15H25	G. Batt : Closing words	
16H10 - 17H00	COFFEE BREAK			16H	DEPARTURE	
17H00 - 17H20	Microbial Paleogenomics Unit N. Rascovan: The computational challenges of Microbial paleogenomics					
17H20 - 17H50	Systems Biology Group B. Schwikowski: The Systems Biology Group E. Zakiev: Search for gene signatures in ovarian cancer					
17H50 - 18H10	Bioinformatics & Biostatistics Hub E. Permal: Overview of Hub contribution through Covid pandemic crisis					
18H10 - 18H15	Direction des Applications de la Recherche et des Relations Industrielles - DARRI A. Borderia & E. Brient-Litzler: How algorithms become products: key challenges and examples					
18H15 - 20H00	POSTER SESSION 1	18H30 - 20H00	POSTER SESSION 2			
20H00	DINNER	20H00	DINNER DE GALA			