



Rencontres Interdisciplinaires de l'Évolution Moléculaire Alphy/AIEM

23-25th of January 2023, Amphithéâtre Boucherle, Bâtiment Boucherle, Campus Santé de la Tronche, U. Grenoble Alpes

Final program

Monday, January 23 rd 2023		Tuesday, January 24 th 2023		Wednesday, January 25 th 2023	
		8h30	Opening	8h30	Opening
		9h00	Invited speaker - Anne-Florence Bitbol - Optimization and historical contingency in protein sequences Ignacio Bravo - Transcriptomic, proteomic and functional cis- and trans-acting effects in human cells of gene expression with varying codon usage preferences, in a long-term selection experiment	9h00	Jean-Baptiste Grodwohl - Opening Motoo Kimura's archives: on the history of molecular evolution and the neutralist school
		9h45	Luca Nesterenko - Phyloformer: Towards fast and accurate phylogeny reconstruction with self-attention networks	9h20	Leonardo Trujillo - Adaptive walks don't do walks on hypercubes
		10h05		9h40	Thibaut Capblancq - In search of islands of speciation in the genomes of two <i>Coenonympha</i> butterfly sister species
		10h25	Coffee break	10h00	Elise Gay - Mitonuclear discordance in the great white shark (<i>Carcharodon carcharias</i>): sex biased dispersal, mitonuclear incompatibility, or both?
		10h55	Florian Bénétière - Investigating the impact of random genetic drift on synonymous codon usage in metazoans	10h20	Coffee break
		11h15	Margaux Jullien - COCOATree: benchmarking coevolution methods for sector identification	10h50	Alia Abbara - Spatially structured populations on graphs beyond update rules
		11h35	Romain Feron - Reproducible workflows to study conservation of genomic sequence using multispecies whole genome alignments	11h10	Thomas Forest - Birds demography inference based on genomic data
13h00	Welcome coffee and registration	11h55	Rémi-Vinh Coudert - MPS-Sampling (Multi Proteins Similarity Sampling) to select evolutionary significant representative genomes from large databases	11h30	Riccardo Poloni - Genetics and genomics help understanding the colour polymorphism in the invasive Box Tree Moth
13h30	Introduction	12h05	Lea Bou Dagher - Evolutionary signal captured from topological properties of proteins via persistent homology	11h50	Matthieu Joron - Subtle signals of adaptive introgression in the late stages of the speciation continuum
13h45	Invited speaker - François Parcy - Evolution of the floral regulator LEAFY	12h25	Lunch break	12h20	Conclusion
14h30	Paul Zaharias - Robustness of Felsenstein's versus Transfer Bootstrap Supports with respect to Taxon Sampling	14h00	Invited speaker - Mathieu Groussin - Evolution of host-gut microbiome interactions in the context of industrialization	12h30	Lunch (to go)
14h50	Nisha Dwivedi - Resolving the evolutionary history of <i>Nesoenas picturata</i> in the Mascarenes	14h45	Flora Gaudillière - Understanding the evolutionary dynamics of insertion sequences in prokaryotic genomes		
15h10	Clément Gain - A quantitative theory for genomic offset statistics	15h05	Fanny Mazzamurro - Evolution of natural transformation in bacteria		
15h30	Coffee break	15h25	Sophie-Carole Chobert - Unraveling the relative emergence of quinones biosynthetic pathways		
16h00	Marie Raynaud - Population genomics reveal PRDM9-dependent recombination landscapes in salmonids	15h45	Coffee break		
16h20	Thibault Latrille - Up to 25% of beneficial mutations in protein sequences are not adaptive innovations in mammals	16h15	Guillaume Louvel - Causes of discord in eukaryotic protein domains inherited from Archaea		
16h40	Julien Joseph - Recombination and selection efficiency in humans	16h35	Anton Crombach - Cell type diversification across paleo- and neocortex revealed by single cell multiomics analysis		
17h00	Antoine Taupenot - Social polymorphism and supergene in the ant <i>Myrmecina graminicola</i> : insights from population genomics	16h55	Jasmine Gamblin - Beyond one-gain models for pangenome evolution		
17h20	Poster session & beers	17h15	Charles Coluzzi - Epistatic interactions between genetic background and antibiotic resistances genes (and vice versa)		
19h00	End of first day	17h35	Mérodie Bastian - Bridging the gap between population genomic and phylogenetic approaches by the study of the effective population size		
		20h00	Gala dinner @Bouillon A		