## Final program

### Monday, January 23rd 2023

- **8h30** Opening
- **9h00** Invited speaker - Anne-Florence Bitbol - Optimization and historical contingency in protein sequences
- **9h45** 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
- **10h05** Luca Nesterenko - Phyloformer: Towards fast and accurate phylogeny reconstruction with self-attention networks
- **10h25** Coffee break
- **10h55** Florian Bénitière - Investigating the impact of random genetic drift on synonymous codon usage in metazoa
- **11h15** Margaux Julien - COCOATree: benchmarking coevolution methods for sector identification
- **11h35** Romain Feron - Reproducible workflows to study conservation of genomic sequence using multispecies whole genome alignments
- **11h55** Rémi-Vinh Coudert - MPS-Sampling (Multi Proteins Simulant Sampling) to select evolutionary significant representative genomes from large databases
- **12h05** Lea Bou Dagher - Evolutionary signal captured from topological properties of proteins via persistent homology
- **12h25** Lunch break
- **13h00** Welcome coffee and registration
- **13h30** Introduction
- **13h45** Invited speaker - François Parcy - Evolution of the floral regulator LEAFY
- **14h30** Paul Zaharias - Robustness of Felsenstein's versus Transfer Bootstrap Supports with respect to Taxon Sampling
- **14h50** Nisha Daswadi - Resolving the evolutionary history of Nesoenas picturata in the Mascarenes
- **15h10** Clément Gain - A quantitative theory for genomic offset statistics
- **15h30** Coffee break
- **16h00** Marie Raynaud - Population genomics reveal PRDM6-dependent recombination landscapes in salmonids
- **16h20** Thibault Latrille - Up to 25% of beneficial mutations in protein sequences are not adaptive innovations in mammals
- **16h40** Julien Joseph - Recombination and selection efficiency in humans
- **17h00** Antoine Taupenot - Social polymorphism and supergene in the ant Myrmecina graminicola: insights from population genomics
- **17h20** Poster session & beers
- **19h00** End of first day

### Tuesday, January 24th 2023

- **8h30** Opening
- **9h00** Invited speaker - Mathieu Grousse - Evolution of host-gut microbiome interactions in the context of industrialization
- **9h45** Flora Gaudillière - Understanding the evolution of new regulatory elements in prokaryotic genomes
- **10h00** Sophie-Carole Chobert - Unraveling the relative emergence of quinones biosynthetic pathways
- **10h20** Coffee break
- **10h50** Invited speaker - Anne-Florence Bitbol - Causes of discord in the invasive Box Tree Moth
- **11h10** Thomas Forest - Birds demography inference based on genomic data
- **11h30** Ricardo Poloni - Genetics and genomics help understanding the colour polymorphism in the invasive Box Tree Moth
- **11h50** Matthieu Joron - Subtle signals of adaptive introgression in the late stages of the speciation continuum
- **12h20** Conclusion
- **12h30** Lunch (to go)

### Wednesday, January 25th 2023

- **8h30** Opening
- **9h00** Kimura’s archives: on the history of molecular evolution and the neutralist school
- **9h20** Leonardo Trujillo - Adaptive walks don’t do walks on hyperbolic structures
- **9h40** Thibault Capblancq - In search of islands of speciation in the genomes of two Cosmopterix butterfly sister species
- **10h00** Elodie Gay - Mitonuclear discontance in the great white shark (Carcharodon carcharias): sex biased dispersal, mitonuclear incompatibility, or both?
- **10h20** Coffee break
- **10h50** Ali Abbara - Spatially structured populations on graphs beyond update rules
- **11h10** Invited speaker - François Parcy - Evolution of natural selection and the molecular basis of evolution
- **11h30** Riccardo Poloni - Genetics and genomics help understanding the colour polymorphism in the invasive Box Tree Moth
- **11h50** Matthieu Joron - Subtle signals of adaptive introgression in the late stages of the speciation continuum
- **12h20** Conclusion
- **12h30** Lunch (to go)