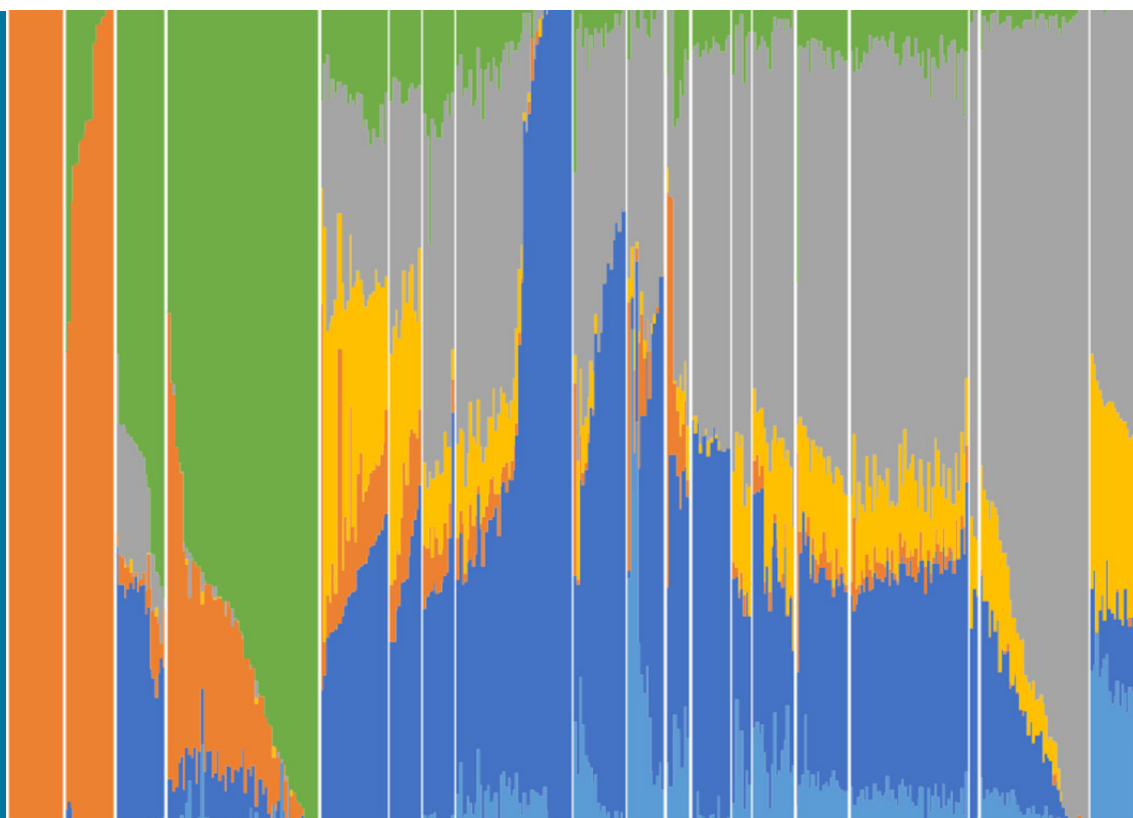


Genetic Admixture: Inference and Evolutionary Consequences

COLLÈGE
DE FRANCE
—1530—

CHAIRE
GÉNOMIQUE HUMAINE
ET ÉVOLUTION

Organisé par
Lluis Quintana-Murci



Monday 30th May 2022

09h00 Lluis Quintana-Murci, Collège de France & Institut Pasteur, Paris, France
Introduction

Session 1: Admixture in humans (Chair: Lluis Quintana-Murci)

09h15 **Keynote Lecture:** Carina Schlebusch, Uppsala University, Sweden
African History - Inferences from Modern and Ancient DNA

10h00 Paul Verdu, CNRS, musée de l'Homme, MNHN, Paris, France
**On the African Shores of the Atlantic Slave Trade:
The Complex Admixture Histories of Cabo Verde
Reconstructed with Approximate Bayesian Computation**

10h30 **Coffee Break**

11h00 Maria Avila-Arcos, Universidad Nacional Autónoma de México, UNAM, Mexico
**Population Structure and Demography
of Afrodescendants from Mexico**

11h30 Étienne Patin, CNRS, Institut Pasteur, Paris, France
**The Genomic Signatures of Natural Selection
in Admixed Human Populations**

12h00 **Lunch Break**

Session 2: Admixture in other animals and plants (Chair: Carina Schlebusch)

14h00 Jenny Tung, Duke University, Durham, USA & Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
**Watching Hybridization Unfold in Real-Time: Evolutionary
Consequences of Admixture in a Long-Term Primate Field Study**

14h30 Maud Tenaillon INRAE, Université Paris-Saclay, CNRS, AgroParisTech, France
Crosstalks between Wild and Domesticates in Zea

15h00 Shyam Gopalakrishnan, GLOBE Institute, University of Copenhagen, Denmark
**The Role of Admixture in Shaping the Evolutionary
History of Canids**

15h30 Mathieu Joron, CNRS, Montpellier, France
**Admixture Fosters Changes in Genetic Architecture,
Mating System, and Demography**

16h00 **Coffee Break**

16h30 Ludovic Orlando, CNRS, CAGT, Toulouse, France
The Genomic History of Horse Domestication

Session 3: Methods to infer admixture and its adaptive nature (Chair: Paul Verdu)

17h00 Simon Gravel, McGill University, Montreal, Canada
**Archaic Admixture or Weak Structure?
Testing Reticulated Models of Early Human Evolution**

17h30 Garrett Hellenthal, UCL Genetics Institute, University College London, United Kingdom
**Disentangling Pre and Post-Admixture Signatures
of Adaptation in Human Populations**

Tuesday 31st May 2022

Session 4: Ancient DNA methods and archaic admixture (Chair: Etienne Patin)

09h00 Evan Irving-Pease, University of Copenhagen, Denmark
Methods for Admixture-Aware Inference of Natural Selection

09h30 Priya Moorjani, University of California, Berkeley, USA
Molecular Clocks of Human Evolution

10h00 Sriram Sankararaman, University of California, Los Angeles, USA
**The Contribution of Neanderthal Introgression
to Complex Traits in Present-Day Humans**

10h30 **Coffee Break**

11h00 Benjamin Peter, Max Planck Institute for Evolutionary Anthropology, Leipzig, Germany
**100,000 Years of Gene Flow between
Denisovans and Neandertals**

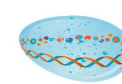
11h30 Emilia Huerta-Sánchez, Trinity College Dublin, Ireland & Brown University, USA
Denisovan Ancestry in Modern Human Populations

12h00 **Keynote Lecture:** Nick Patterson, Harvard Medical School, Harvard Evolutionary Biology, USA
The Spread of Indo-European across Eurasia

Comité scientifique :
Étienne Patin, Lluis Quintana-Murci, Fernando Racimo.



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Vers une médecine personnalisée.



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Les cours, séminaires, tables rondes
et conférences sont gratuits, en accès
libre, sans inscription préalable.

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2021/2022