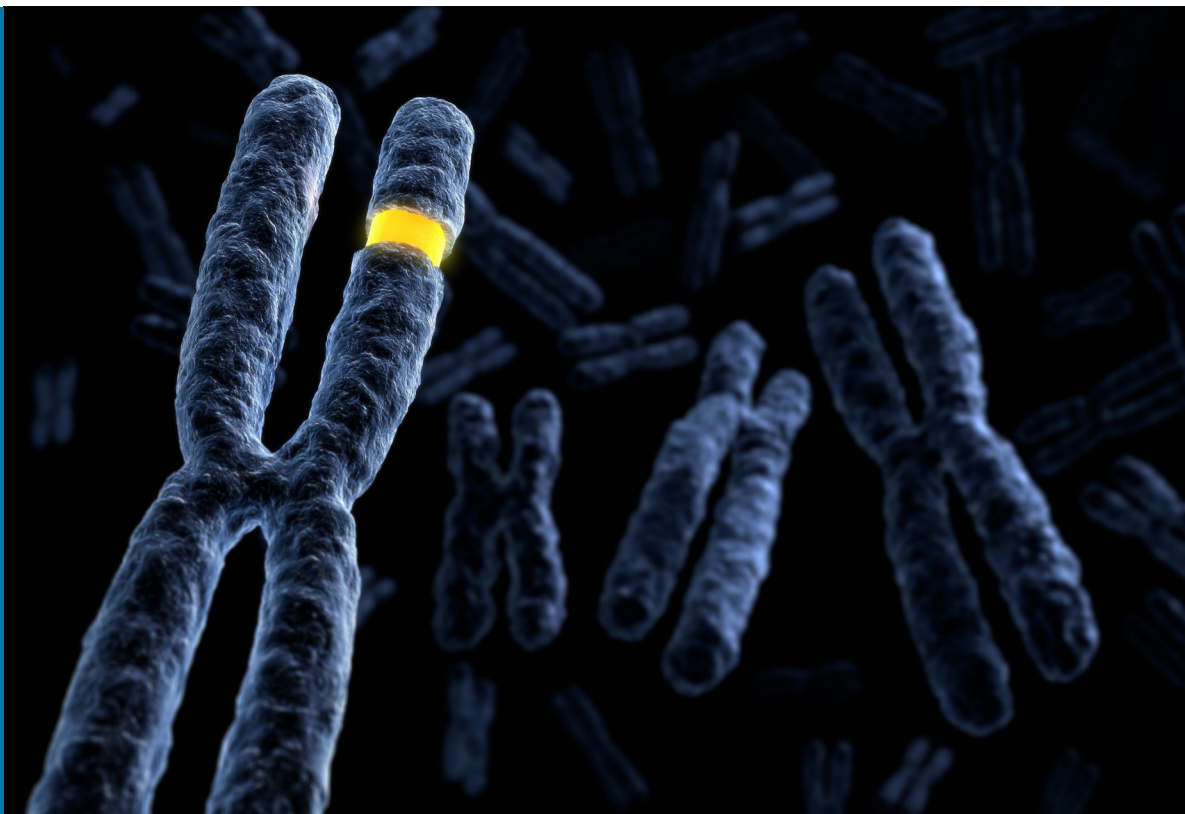


9-10 June 2022

Evolution of Sex Chromosomes and Supergenes

CHAIRE ANNUELLE
BIODIVERSITÉ ET
ÉCOSYSTÈMES

Comité scientifique:
Tatiana GIRAUD, Paul JAY,
Ricardo RODRIGUEZ DE LA VEGA



Thursday June 9th

08h00 Welcome - Coffee

Chair: Tatiana Giraud

08h30 Tatiana Giraud
Introduction

08h45 Doris Bachtrog
Toxic Y Chromosomes and Adaptive Y Degeneration

09h15 Laurent Keller
Evolutionary Success of Supergenes in Social Species

09h45 Tanja Slotte
Genetic Architecture and Evolution of the Distally Supergene in *Linum*

10h15 Break

Chair: Alison Wright

11h00 Thomas Lenormand
Y Recombination Arrest and Degeneration in the Absence of Sexual Dimorphism

11h30 Jessica Abbott
Understanding Sex Chromosomes Using Experimental Evolution

12h00 Lunch

Chair: Gabriel Marais

14h00 Tatiana Giraud
Stepwise Recombination Suppression on Fungal Mating-Type Chromosomes without Sexual Antagonism

14h30 Stephen Wright
Pre-existing and Derived Recombination Landscapes Shape Sex Chromosome Evolution in *Rumex Hastatulus*

15h00 Alison Wright
The Evolution and Genomics of Sexual Phenotypes

15h30 Break

Chair: Tanja Slotte

16h15 Paul Jay
Sheltering of Deleterious Mutations Can Explain the Stepwise Extension of Recombination Suppression on Sex Chromosomes and Other Supergenes

16h45 Daniel Jeffries
Convergence and Divergence in the Evolution of Stickleback Sex Chromosomes

17h15 Emma Berdan
Supergene Degeneration Opposes Polymorphism: The Curious Case of Balanced Lethals

17h45 Round Table/Discussions

19h30 End

Friday June 10th

Chair: Ricardo Rodriguez de la Vega

08h45 Tim Connallon
How Does an Inversion's Length Affect Its Evolutionary Fate?

09h15 Deborah Charlesworth
The Puzzling Guppy Sex Chromosome Pair

09h45 Mathieu Joron
The Roles of Coadaptation and Deleterious Mutations in the Formation of a Mimicry Supergene in a Butterfly

10h15 Break

Chair: Yannick Wurm

11h00 Aline Muyle
Evolution of Dioecy and Sex Chromosomes in *Silene*

11h30 Simon Martin
Extensive Segmental Duplication Predated Evolution of a Butterfly Supergene

12h00 Lunch

Chair: Aline Muyle

14h00 Yannick Wurm
Evolution of a Young Social Supergene in Fire Ants

14h30 Iulia Darolti
Sex Chromosome Divergence and Dosage Compensation in Poeciliids

15h00 Ricardo Rodriguez de la Vega
Tempo of Degeneration in Non-recombining Regions

15h30 Break

Chair: Paul Jay

16h15 Gabriel Marais
Non-standard Methods to Study Sex Chromosomes and Application to Cannabis and Hop

16h45 Nicolas Perrin
Sex-Chromosome Evolution in Frogs: What Role for Sex-Antagonistic Genes?

17h15 Diego Cortez
Convergence Evolution of a Dosage Compensation System



COLLÈGE
DE FRANCE
— 1530 —



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