The Genomics of Transposable Elements
Unmasking their Complex Contribution to Genome Function and Evolution
PSL–Qlife Winter School in Quantitive Biology – February 6th–10th , 2023

Monday, February 6th

8:45 - 9:00 am **V. Colot, P. Charnay**
Introduction

9:00 - 10:30 am **Josefa Gonzalez**
Title

10:30 -11:00 am Coffee break - *Room 305*

11:00 - 12:30 am **Deborah Bourc'his**
DNA and RNA modifications of transposons

12:00 - 1:30 pm Lunch
Room 305

1:30 - 5:00 pm
Digital workshop
Part1
How TEs contribute to genome sequences?
Josefa Gonzalez

1:30 - 5:00 pm
Digital workshop
Part1
How TEs contribute to the epigenome?
Deborah Bourc'his

5:00 - 6:00 pm Coffee break - *Room 305*

6:00 - 8:00 pm
Poster session &
Wine, beer and cheese

Tuesday, February 7th

9:00 - 10:30 am **Helen Rowe**
Transposable elements as gatekeepers of chromatin remodeling and inflammation

10:30 -11:00 am Coffee break - *Room 305*

11:00 - 12:30 am **Leandro Quadrana**
Title

12:00 - 1:30 pm Lunch
Room 305

1:30 - 5:00 pm
Digital workshop
Part2
How TEs contribute to genome sequences?
Leandro Quadrana &
Vincent Colot

1:30 - 5:00 pm
Digital workshop
Part2
How TEs contribute to the epigenome?
Helen Rowe

5:00 - 5:30 pm Coffee break - *Room 305*

5:30 - 6:30 pm **Jan Korbel**
Title

7:30 pm
Speakers/TAs dinner

Wednesday, February 8th

9:00 - 10:30 am **Felipe Karam Teixeira**
Small RNAs and the control of genome functioning

10:30 -11:00 am Coffee break - *Room 305*

11:00 - 12:30 am **Richard Durbin**
Title

12:00 - 1:30 pm Lunch
Room 305

1:30 - 5:00 pm
Digital workshop
How TEs contribute to genome activity?
Felipe Karam Teixeira

1:30 - 5:00 pm
Digital workshop
How TE evolutionary dynamics impact on chromatin structure and function?
Helen Rowe

5:00 - 5:30 pm Coffee break - *Room 305*

5:30 - 6:30 pm **Michael Imbeault**
KRAB zinc finger proteins, transposable elements and the evolution of gene regulatory networks

7:30 pm
Dinner

Thursday, February 9th

9:00 - 10:30 am **Gaël Cristofari**
Genomic approaches to study transposable elements in the human genom

10:30 -11:00 am Coffee break - *Room 305*

11:00 - 12:30 am **Jose Tubio**
Title

12:00 - 1:30 pm Lunch
Room 305

1:30 - 5:00 pm
Digital workshop
How to measure TE expression?
Gaël Cristofari

1:30 - 5:00 pm
Digital workshop
How to use Nanopore sequencing to explore TEs associated with disease?
Jose Tubio

5:00 - 5:30 pm Coffee break - *Room 305*

5:30 - 6:30 pm **Sandra Duharcourt**
Control of transposable by Polycomb in Paramecium

6:30 - 8:00 pm
Cocktail

Friday, February 10th

9:00 - 10:00 am Discussion/restitution with students

10:00 -10:30 am Coffee break - *Room 305*

10:30 - 12:30 am **Rebecca Berrens**
Title

12:00 - 1:30 pm Lunch
Room 305

1:30 - 5:00 pm
Digital workshop
How TE evolutionary dynamics impact on interindividual variation?
Vincent Colot
Chloé Agathe Azencott

1:30 - 5:00 pm
Digital workshop
Single cell transcriptomics using Nanopore sequencing
Rebecca Berrens

5:00 - 6:00 pm
Farewell Cocktail