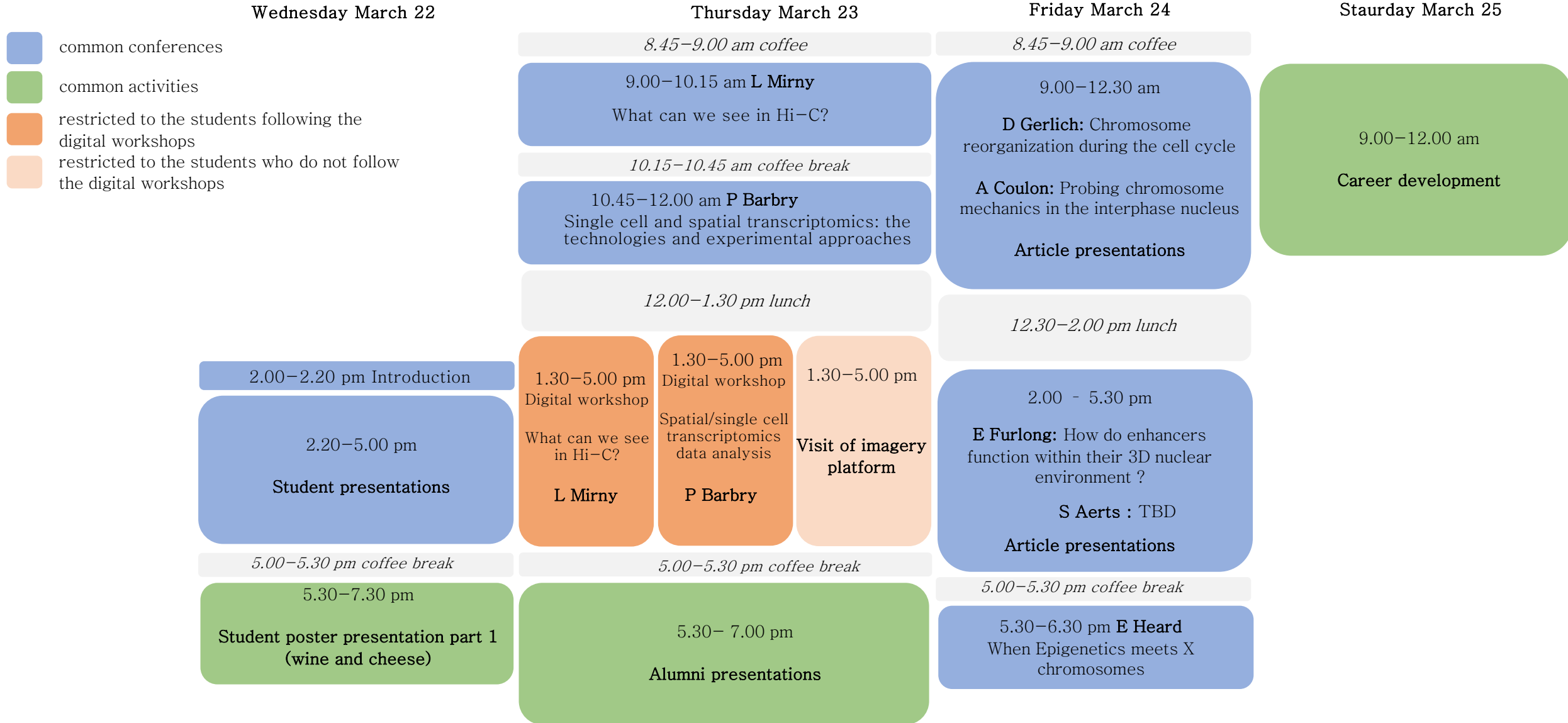


When epigenetics meet chromosomes - March 22–31, 2023



- common conferences
- common activities
- restricted to the students following the digital workshops
- restricted to the students who do not follow the digital workshops

When epigenetics meet chromosomes - March 22–31, 2023

Monday March 27

8.45–9.00 am coffee

9.00–10.15 am **J–B Masson & B Hajj**
From experimental dynamics of single molecules to descriptive models

10.15–10.45 am coffee break

10.45 - 12.00 am **L Cantini**
Multimodal integration from bulk to single-cell resolution

12.00–1.30 pm lunch

1.30–5.00 pm
Digital workshop
Data analysis with the Genuage platform and graph neural networks

**J–B Masson
B Hajj**

1.30–5.00 pm
Digital workshop
Multimodal integration from bulk to single-cell resolution

**L Cantini
C Lansonneur
J Samaran**

1.30–5.00 pm
Spatial media tools to interact with your data
F Garnier
Citizens building genome reference maps

Genigma

5.00–5.30 pm coffee break

5.30–6.30 pm **M–E Torres–Padilla**
Epigenetic mechanisms of cellular plasticity

6.30–8.30 pm
Student poster presentation part 2 (wine and cheese)

Tuesday March 28

8.45–9.00 am coffee

9.00–12.30 am
G Legube: Chromosome and chromatin dynamics in response to DNA Double Strand Breaks

G Cavalli: Higher-order chromatin regulation and epigenetic inheritance
Article presentations

12.30–2.00 pm lunch

2.00 - 5.30 pm
S Uphoff: Phenotypic heterogeneity and mutation dynamics during cellular stress adaptation
I Drinnenberg: Evolution of centromeres: Conserved function, yet diverse architecture
Article presentations

5.30–6.00 pm coffee break

6.00–7.00 pm
Conclusion of the first part

7.00 pm
Cocktail

Wednesday March 29

8.45–9.00 am coffee

9.00–10.15 am **J Mine–Hattab & T Mora**
Tracking molecules one at a time

10.15–10.45 am coffee break

10.45 - 12.00 am **V Pancaldi & D Jost**
4D Epigenomics: using data analysis and modeling to infer functions

12.30–1.30 pm lunch

1.30–5.00 pm
Digital workshop
Data analysis of single particle tracking

**J Mine–Hattab
T Mora**

1.30–5.00 pm
Digital workshop
4D Epigenomics: using data analysis and modeling to infer functions

**V Pancaldi
D Jost**

5.00–5.30 pm coffee break

5.30–6.30 pm **N Barkai**
TBD

Thursday March 30

8.45–9.00 am coffee

9.00–10.15 am **B Audit**
Genomics of Nucleosome Positioning

10.15–10.45 am coffee break

10.45 - 12.00 am **M Nollmann**
Multiplexed chromatin imaging reveals principles of cell-type specific chromosome organization

12.30–1.30 pm lunch

1.30–5.00 pm
Digital workshop
Simulating nucleosome positioning

**B Audit
C Vaillant**

1.30–5.00 pm
Digital workshop
Analysis of multiplexed chromatin imaging data

M Nollmann

5.00– 7.30 pm
Free time

Friday March 31

8.45–9.00 am coffee

9.00–10.15 am **I Junier & O Espeli**
Interplay between transcription and genome folding in bacteria

10.15–10.45 am coffee break

10.45 - 12.00 am **C Vallot**
Epigenomes at single cell resolution

12.30–1.30 pm lunch

1.30–5.00 pm
Digital workshop
Interplay between transcription and genome folding in bacteria

**I Junier
O Espeli**

1.30–5.00 pm
Digital workshop
Epigenomes at single cell resolution

C Vallot

5.00 - 5.30 pm
General conclusion