

CNET

Montpellier - Genopolys

July 6 - 8, 2026

July 6 (Monday)

13:00 - 14:00 Reception
14:00 - 14:15 Opening Remarks

14:15 - 14:55 Keynote 1 Josefa Gonzalez (Botanical Institute of Barcelona, CSIC)

Session 1: Functional impacts of transposable elements and repeated sequences

Chair Julie Delescluse

14:55 - 15:15 1 – PanTEon: a cross-kingdom framework to guide the design of transposable element classifiers (Simon Orozco-Arias)
15:15 - 15:35 2 – Cancer-specific LINE-1 reactivation signatures in cell-free DNA fragmentomics (Klaus von Grafenstein)
15:35 - 16:15 Coffee Break 1
16:15 - 16:35 3 – Harbor, a PIF/Harbinger MITE disseminating regulatory elements in the maize genome (Clémentine Vitte)
16:35 - 16:55 4 – Integrating Genetic and Epigenetic Information During Somatic Genome Development in *Tetrahymena* (Kazufumi Mochizuki)
16:55 – 19:00 Poster Session & Discussion

Evening with wine and cheese till 19:00

Free night

July 7 (Tuesday)

9:00 - 9:40 Keynote 2 Didier Trono (EPFL, Lausanne)

Session 2: Dynamics and Mechanisms of transposable elements and repeated sequences

Chair Tristan Maignan

9:40 - 10:00 1 – Uncovering retrotransposon-driven genome structure evolution in the moss *Physcomitrium patens* (Marc Pulido)
10:00 - 10:20 2 - Evolutionary history and climate-driven dynamics of transposable elements has shaped genome evolution in the *Coffea* genus (Romain Guyot)
10:25 - 10:35 Sponsor Presentation ONT
10:35 - 11:15 Coffee Break
11:15 - 11:35 3 – How do transposable elements integrate? Uncovering the mechanisms behind transposable element integration niche partitioning (Aina Ortiz Azorín)
11:35 - 11:55 4 – Epigenetic control and developmental timing of heritable transposable element mobilization in *Arabidopsis thaliana* (Pol Vendrell)
11:55 - 14:00 Lunch
14:00 - 15:30 Poster Session

Session 3: Regulations of transposable elements and repeated sequences

Chair Aina Ortiz Azorín

15:30 - 15:50 1 – Exploiting natural L1 retrotransposon sequence variation to identify internal features influencing their transcriptional activity (Misaki Matsuo)

15:50 - 16:10	2 – Targeted ablation of the large - LSD1 specific - CoREST isoform in <i>Drosophila</i> results in sterility and transposable elements derepression (Luisa Di Stefano)
16:10 - 16:30	3 – piRNA pathway characterization in the parasitoid wasp <i>Cotesia congregata</i> and impact on its endogenous bracovirus (Camille Heisserer)
16:30 - 17:00	Coffee Break
17:00 - 17:20	4 – Nuclear piRNA silencing couples heterochromatin formation with co-transcriptional RNA decay (Changwei Yu)
17:20 - 17:40	5 – Rad6 restricts Ty1 retrotransposon integration in <i>S. cerevisiae</i> through histone modification and post-replication repair (Nathan Lacombe)
17:40 - 18:00	6 – Unravel the Dynamics of the piRNA-Dependent Transcriptional Repression (Tristan Maignan)

Move to le Corum by tram

Dinner at le Corum from 19:00

July 8 (Wednesday)

9:00 - 9:40 Etienne Bucher (Crop Genome Dynamics Group, Agroscope, Nyon)

Session 4: Adaptive mechanisms of transposable elements and repeated sequences

Chair Ana Carolina Pires das Doreis

9:40 - 10:00	1 – Transposable Elements and Heat Stress Response in <i>Drosophila subobscura</i> (Vicente Chillida)
10:00 - 10:20	2 – Impact of viral infections on transposition rates in <i>Drosophila melanogaster</i> (Chloé Garambois)
10:20 - 11:00	Coffee Break
11:00 - 11:20	3 – Deciphering the interplay between transposable element control and antiviral immunity in <i>Drosophila</i> (Julie Delescluse)
11:20 - 11:40	4 – Hypoxia activates adult neurogenesis through transposon-mediated epigenomic rewiring (Manvendra Singh)
11:40 - 12:00	5 – Decoding endogenous retroelements contributions to heterogeneity in human immune-response (Federica Mantovani)
12:00 - 12:10	Closing remarks

Extra Session: Bioinformatics Demo

14:00 - 16:00 Organized by Francois Sabot (IRD, Montpellier)