



Molly PRZEWORSKI

From germline mutation to speciation

Mercredi 22 et jeudi 23 mai 2019, amphithéâtre Guillaume Budé

Mercredi 22 mai 2019

- 9h Germline mutation processes revisited in cattle
Michel GEORGES, *Liège, Belgique*
- 9h30 Evolution of the mutation rate and spectrum across the primate functional genomic landscape
Kelley HARRIS, *UWashington, USA*
- 10h What drives the dependence of human germline mutation rates on sex, age, and time?
Molly PRZEWORSKI, *Columbia, USA/Paris*
- 10h30 Pause
- 11h From statistical models to biological mechanisms of human mutation
Shamil SUNYAEV, *Harvard, USA*
- 11h30 The mutation process of satellite repeats
Andy CLARK, *Cornell, USA*
- 12h Déjeuner
- 14h The genomic basis of environmental adaptation in house mice
Michael NACHMAN, *UCBerkeley, USA*
- 14h30 Quantifying molecular adaptation in animals: improved methods and the Ne effect
Nicolas GALTIER, *Montpellier*
- 15h Constraints on adaptation revealed by the convergent evolution of toxin insensitivity
Peter ANDOLFATTO, *Columbia University, USA*
- 15h30 Pause
- 16h The evolution of gene expression in eukaryotes
Thomas LENORMAND, *Montpellier*
- 16h30 Genomic landscapes and fitness ridges across the speciation continuum
Peter RALPH, *UOregon, USA*
- 17h Epistasis and fitness landscapes
Claudia BANK, *Gulbenkian, Portugal*

Jeudi 23 mai 2019

- 9h The Omnigenic architecture of human complex traits
Jonathan PRITCHARD, *Stanford, USA*
- 9h30 Polygenic adaptation after a sudden change in the environment
Guy SELLA, *Columbia, USA/Paris*
- 10h Adaptation in an infinitesimal world
Nick BARTON, *IST, Austria*
- 10h30 Pause
- 11h Evolutionary spikes: Fast molecular divergence at speciation
Amaury LAMBERT, *Paris*
- 11h30 Insights into the evolutionary radiation of Lake Malawi cichlid fishes from whole genome sequencing
Richard DURBIN, *UCambridge, UK*
- 12h Déjeuner
- 14h Admixture and evolution in wild baboons
Jenny TUNG, *Duke, USA*
- 14h30 Coadapted genomes and the genetic architecture of species barriers
Nicolas BIERNE, *Institut des Sciences de l'Évolution, université de Montpellier*
- 15h The genetic basis of a naturally occurring melanoma incompatibility
Molly SCHUMER, *Stanford, USA*
- 15h30 Pause
- 16h Rapid evolution of X-linked hybrid male sterility in *Drosophila*
Colin MEIKLEJOHN, *UNebraska, USA*
- 16h30 The evolution of mate choice in plants
Robin HOPKINS, *Harvard, USA*