

# Programme des journées GDR PHYLODYN2024

Université de Montpellier, Campus Triolet

Mercredi 29 mai 2024 (amphi SC10.01, bat. 10)

## 14h30-16h00 - SESSION 1

- 14h30 - 15h00  
*Quand la pandémie de Covid-19 a-t-elle été initiée ?* Florence Débarre
- 15h00 - 15h30  
*Evolution of virulence in emerging epidemics: from theory to experimental evolution and back.* Wakinyan Benhamou
- 15h30 - 16h00  
*Grains, trade and war, multimodal transmission of Rice yellow mottle, an insect-borne plant virus.* Denis Fargette

16h00-16h30 : Pause

## 16h30-18h30 - SESSION 2

16h30-17h30 : **KEYNOTE -- Tim Vaughan (ETH, Zurich)**

- 17h30 - 18h00  
*Link between the birth-death and the Kingman coalescent - Applications to phylogenetic epidemiology.* Josselin Cornuault
- 18h00 - 18h30  
*Modelling the velocity of evolving lineages and predicting dispersal patterns.* Stéphane Guindon

19h00-20h30: Cocktail

Jeudi 30 mai 2024 (amphi SC10.01, bât. 10)

9h00-10h00 - SESSION 3

9h00-10h00 : **KEYNOTE -- Sébastien Lion (CEFE, Montpellier)**

10h00 - 10h30 : Pause

10h30-12h00 - SESSION 4

- 10h30-11h00  
*Outbreak reconstruction with a slowly evolving multi-host pathogen: a comparative study of three existing methods on Mycobacterium bovis outbreaks.*  
Laetitia Canini
- 11h00-11h30  
*Leveraging graphical model techniques to study evolution on phylogenetic networks.* Paul Bastide
- 11h30-12h00  
*The spatial Lambda Fleming-Viot process and its relation to Birth-Death models.*  
Johannes Wirtz

12h00 - 14h00 : Pause déjeuner

14h00-15h30 - SESSION 5

- 14h00-14h30  
*Transformers for EpiDemiological DYnamics: from genomic data to epidemiological parameters.* Vincent Garot
- 14h30-15h00  
*Using phylogenetic models to predict the impact of pathogenic mutations on symptom severity.* Amélie Ngo
- 15h00-15h30  
*Modelling the HIV epidemic in France using virus genomic data.* Louis Colliot

15h30-16h00 : Pause

- 16h00-18h00 - SESSION 6
- 16h00-17h00  
*Discussions autour de la définition et perspectives pour la phylodynamique.*
- 17h00  
*Assemblée PHYLODYN2024*

Vendredi 31 mai 2024 (amphi SC12.01, bât. 12)

## 9h00-10h00 - SESSION 7

9h00-10h00 :

*FAIR & reFAIR, the need for transparent science! Jacques Dainat.*

10h00 - 10h30 : Pause

- 10h30-11h00  
*Detecting viral recombinant sequences with phylo-k-mers. Fabio Pardi*
- 11h00-11h30  
*Evolution of phenotypic noise: an initial, verbal approach. Ignacio Bravo*
- 11h30-12h30  
*Table ronde autour de la communication scientifique en temps de crise (animée par Florence Débarre, Mircea Sofonéa et Samuel Alizon)*