Quantitative viral dynamics
Master 2 IMaLiS, Ecole Normale Supérieure, 2024-2025; 29th September-3rd October 2024

Organiser : François Blanquart francois.blanquart@college-de-france.fr
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Schedule: 9:30am to 12:30 am, 14pm to 17pm
Classroom: **321** (46 rue d'Ulm, 3rd floor)

Monday, September 29th
9:30-12:30
François Blanquart: **Modelling outbreak dynamics (1)**.

14-17
Monitor: digital laboratory on outbreak dynamics.

Tuesday, September 30th
9:30-12:30
Jérémy Seurat, **Phage ecology and phage therapy**.
11:30: Laurent Debarbieux: Example of research in phage-bacteria dynamics

14-17
Jérémy Seurat, monitor: digital laboratory: mixed models to infer phage dynamics

Wednesday, October 1st
François Blanquart, **Modelling within-host dynamics of human viruses**.
11:30 Jérémie Guedj: Example of research in mathematical modelling of within-host dynamics.

14-17
Monitor: digital laboratory on modelling within-host dynamics. Inferring the key parameters of HIV infection from within-host longitudinal viral load data.

Thursday, October 2nd
9:30-12:30
François Blanquart. **Modelling outbreak dynamics (2).**
11:30 Nathanael Hozé: Example of research in infectious diseases epidemiology

14-17 is free

Friday, October 3rd
9:30-12:30
Anna Zhukova. **Phylodynamics of infectious diseases**.
11:30 Sebastian Duchêne: Example of research in phylodynamics

14-17
Anna Zhukova, digital laboratory on phylodynamics