Qlife Quantitative Biology Summer School Series

QUANTITATIVE PHAGE-BACTERIA DYNAMICS ACROSS SCALES

JULY 8TH - 12TH, 2024 - PARIS

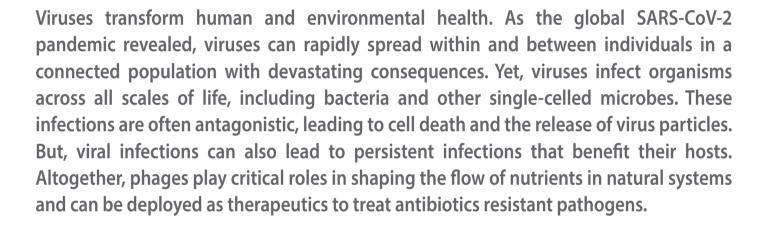
LECTURERS & SPEAKERS

Aude BERNHEIM, Paris
Remy CHAIT, Exeter
Anne CHEVALLEREAU, Paris
Laurent DEBARBIEUX, Paris
David DEMORY, Banyuls-sur-mer
Ido GOLDING, Urbana-Champaign
Claudia IGLER, Manchester
Britt KOSKELLA, Berkeley
Jacopo MARCHI, Maryland
Namiko MITARAI, Copenhagen
Joshua WEITZ, Maryland

SCIENTIFIC COMMITTEE CHAIR

Joshua WEITZ, Maryland

COORDINATOR
Patrick CHARNAY, Paris



This course will bring thought leaders in dialogue with early career scientists to advance the integrative study of quantitative phage-bacteria dynamics across scales. It will train participants to model virus-host interactions from cells to populations, integrate robust computational methods into research practice, and bridge the gap between models and data motivated by ongoing challenges in microbiology, therapeutics, and ecology. For the digital practical (every afternoon), participants will develop computational models of phage-bacteria dynamics spanning cells to populations and learn to infer novel

models of phage-bacteria dynamics spanning cells to populations and learn to infer novel anti-phage defense features in bacterial genomes. Informal discussions and poster sessions will foster interactions between participants and instructors. The summer school is limited to 25 participants. It is open to Master 2 and PhD students, as well as early stage postdocs, engineers and junior scientists with backgrounds in life sciences, physics, engineering, computer science or mathematics.

Basic experience in file manipulation in Unix/Linux and in Python or R programming is required. Additional information is available on:

https://www.edu.bio.ens.psl.eu/spip.php?article283

Application deadline April 8th, 2024

REGISTRATION FEES: 150 €*



■ In addition, provide a CV, a motivation letter (including justification for travel grant if requested) and a supporting letter from a supervisor as a simple pdf file with "Qlife Phage-Bacteria Summer School 2024_LASTNAME" as subject header to qlife-school@bio.ens.psl.eu



* Fees cover food and lodging from Monday morning to Friday afternoon. Some travel grants will be available.











