

# Qlife

# Quantitative Biology Winter School Series

## QUANTITATIVE ECOLOGICAL GENOMICS IN THE TARA OCEAN

MARCH 29<sup>TH</sup> - APRIL 2<sup>ND</sup>, 2021 - PARIS

### LECTURERS & INSTRUCTORS

Virginia ARMBRUST, Seattle  
Oliver AUMONT, Paris  
Sakina AYATA, Villefranche  
Laurent BOPP, Paris  
Chris BOWLER, Paris  
Quentin CARRADEC, Evry  
Samuel CHAFFRON, Nantes  
Christian ETHE, Paris  
Damien EVEILLARD, Nantes  
Nicolas HENRY, Roscoff  
Daniele IUDICONE, Naples  
Jean-Olivier IRISSON, Villefranche  
Olivier JAILLON, Evry  
Marina LEVY, Paris  
Fabien LOMBARD, Villefranche  
Stilianos LOUCA, Eugene  
Amin MADOUY, Evry  
Hélène MORLON, Paris  
Kiran PATIL, Heidelberg  
Eric PELLETIER, Evry  
Renaud PERSON, Paris  
Juan PIERELLA, Paris  
Samir SUWEIS, Padoue  
Colomban De VARGAS, Roscoff  
Joshua WEITZ, Atlanta  
Patrick WINCKER, Evry  
Lucie ZINGER Paris

### COORDINATOR

Patrick CHARNAY, Paris

PSL University and its Qlife program in Quantitative Biology organize a winter school that will cover a range of quantitative studies in ecology made possible by the extensive Tara Oceans datasets, which comprise DNA sequence and organism imaging resources from all domains of plankton life including viruses, as well as rich metadata to explore their environmental context. Through a series of hands-on digital workshops and inspirational seminars, participants will learn to use these unprecedented resources for exploring contributions of plankton to ecological, evolutionary and biogeochemical processes, aiming to provide the predictive power needed to track the impact of climate change on life in the oceans.

Lunches and dinners with the speakers and instructors will foster informal discussions.

The winter school is limited to 20 participants. It is open to M2 students and PhD students, as well as postdocs, engineers and junior scientists, with backgrounds life science, geoscience, physics, computer science or mathematics.

Basic experience in file manipulation under Unix/Linux and in Python or R programming is required.

Additional information is available on:

<https://www.enseignement.biologie.ens.fr/spip.php?article235>

**APPLICATION DEADLINE DECEMBER 31<sup>ST</sup>, 2020**

REGISTRATION FEES: 150 €\*

- Register through the following link: <https://bit.ly/3njNbQW>
- In addition, provide a CV, a motivation letter (including justification for travel grant if requested) and a supporting letter from a supervisor with "Qlife Tara winter school 2021" as object to [qlife.events@psl.eu](mailto:qlife.events@psl.eu)

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

