

Qlife

Quantitative Biology Winter School Series

QUANTITATIVE SEASCAPE ECOLOGY OF MARINE PLANKTON

MARCH 4TH - 8TH, 2024 - PARIS

LECTURERS & INSTRUCTORS

Jeremy ANDRÉOLETTI, Paris
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Chris BOWLER, Paris
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Tom DELMONT, Evry
Damien EVEILLARD, Nantes
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Daniele IUDICONE, Naples
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Fabien LOMBARD, Villefranche-sur-mer
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Flora VINCENT, Heidelberg
Ben WARD, Southampton

COORDINATORS

Chris BOWLER, Paris
Patrick CHARNEY, 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. 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.

The course will include introductory lectures in the morning, followed by digital practicals in the afternoon. The evenings will include keynote speaker seminars and poster presentations by the students.

Common lunches and dinners with the speakers and instructors will foster informal discussions.

The winter school is limited to 25 participants. It is open to Master 2 and PhD students, as well as postdocs, engineers and junior scientists, with backgrounds in 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.edu.bio.ens.psl.eu/spip.php?article275>

APPLICATION DEADLINE JANUARY 7TH, 2024

REGISTRATION FEES: 150 €*

- Register through the following link: <https://forms.office.com/e/fGPJtHiHNZ>
- In addition, provide a CV, a motivation letter (including justification for travel grant if requested) and a supporting letter from a supervisor with "Qlife Marine Plankton Winter School 2024_LASTNAME" as subject header to Melissa.Dewulf@curie.fr

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

