

Qlife

Quantitative Biology Winter School Series

AI-ACCELERATED DESIGN AND OPTIMISATION OF COMPOUNDS FOR BIOLOGICAL APPLICATIONS

FEBRUARY 9TH-13TH, 2026 - PARIS

LECTURERS & INSTRUCTORS

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Recent technological developments in artificial intelligence (AI), machine learning and computational approaches have enabled in-silico design of compounds for medicinal and biological purposes with unprecedented speed and precision.

The Qlife program in Quantitative Biology of the PSL University organizes a 5-day Winter School that will cover these cutting-edge approaches through a series of introductory lectures in the mornings, followed by digital workshops in the afternoons. Evenings will feature keynote speaker seminars and poster presentations by the students.

The aim of this Winter School is to provide the attendees with a basic set of skills in different areas, including AI, TD-DFT, medicinal chemistry, photochemistry and chemical biology, with a clear emphasis on practical examples and guidance from experts in the field.

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 chemistry, life sciences, 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?article297>

APPLICATION DEADLINE DECEMBER 5TH, 2025

REGISTRATION FEES: 150 €*

- Register through the following link: <https://forms.cloud.microsoft/e/cmYTdzpVgD>
- In addition, provide a CV, a motivation letter and a supporting letter from a supervisor as a simple pdf file with "Qlife AI-accelerated Design WS2026_LASTNAME" as subject header to Qlife.events@psl.eu

* Fees cover lunches from Monday to Friday and some dinners.



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