

## Opening for a full-time assistant professorship in molecular and structural biology at the Department of Biology of Ecole Polytechnique

Application deadline: May 1st 2023

Starting : September 2023

École Polytechnique is a leading French institute that combines top-level research, academics, and innovation at the cutting-edge of science and technology. Ecole Polytechnique has more than 3,000 students (41% of whom are international), 480 professors/researchers and 23 laboratories. Its curriculum promotes a culture of excellence with a strong emphasis on science, anchored in humanist traditions. The school aims to produce socially responsible professionals who excel in leading complex and innovative projects to address current and future challenges facing our society. Ecole Polytechnique is a member of the “Institut Polytechnique de Paris”. It is also part of the vibrant Saclay science cluster just south of Paris. These organizations are combining their strengths to develop the excellence of research.

### Teaching :

The successful applicant will contribute to the teaching programs of the Department of Biology, including courses at the graduate and undergraduate levels covering molecular/structural biology and biochemistry, with applications to health and biotechnology. In particular, the assistant professor will be involved in experimental teaching for Ecole Polytechnique second and third year students. Teaching at the M2 level is also expected, including initiation to cryo-EM techniques (data collection and processing).

### Research:

Research will be in the Structural Biology of the Cell laboratory (BIOC), a CNRS-Ecole Polytechnique research unit that benefits from an exceptional infrastructure.

The successful applicant will join the group of [Emmanuelle Schmitt](#) and [Yves Mechulam](#) specialized in the study of the molecular mechanisms of translation. The team applies a wide range of biochemical and biophysical techniques, including cryo-electron microscopy, to address fundamental questions related to ribosomal translation and its role in health and disease. The laboratory has privileged access to the CIMEX (Interdisciplinary Center of Electron Microscopy of X) which has a Titan Themis 300kV microscope equipped with a Falcon 3 direct electron detector.

<https://portail.polytechnique.edu/bioc/en/recherche/translation-mechanisms>

Applicants should send their CV, list of publications, a short description of achievements, and contact details for three references to:

Thomas Simonson, Chair, Dept of biology; [thomas.simonson@polytechnique.edu](mailto:thomas.simonson@polytechnique.edu)

Emmanuelle Schmitt, CNRS senior scientist; [emmanuelle.schmitt@polytechnique.edu](mailto:emmanuelle.schmitt@polytechnique.edu)