

Rose Marin

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Professional Experience

PhD candidate: Interdisciplinary Research Center in Biology, Ecology, Evolution, and Health, Collège de France (UMR 7241, INSERM U1050, PSL University) supervised by Pr Samuel Alizon and Pr Antoine Gross.

Oct. 2025 – Now

- Within-host evolution and dynamics of HPV infections using Bayesian statistical modeling

Research Internship: Interdisciplinary Research Center in Biology, Ecology, Evolution, and Health, Collège de France (UMR 7241, INSERM U1050, PSL University)

Jan. 2025 – Jul. 2025

- Analysis of genetic diversity and within-host evolution of human papillomaviruses in relation to factors such as vaccination status and vaginal microbiota in young infected women.

Research Internship Metagenopolis, INRAE, Magali Berland

Jun. 2023 – Jul. 2023

- Exploration of microbiome data preprocessing methods for machine learning in colorectal cancer diagnosis

Research Internship: Applied Pharmacological Biology Laboratory (ENS Paris-Saclay), Marco Pasi

Nov. 2023 – Jan. 2024

- Characterization of evolutionary conservation and prediction of protein dynamics using transfer learning

Research Internship: Gulbenkian Institute of Science, Evolutionary Biology Team (Lisbon, Portugal), Isabel Gordo

Jun. 2023 – Jul. 2023

- Characterization of the diversification of commensal bacteria in the gut from growth curve data

Research Internship: Translational Innovation in Medicine and Complexity Laboratory, TIMC (Université Grenoble-Alpes, UMR 5525), Antoine Frenoy

Jun. 2021 – Jul. 2021

- Effect of clonal interference on relatedness in spatially structured microbial populations

Education

École Normale Supérieure (ENS) Paris-Saclay, Département d'Enseignement et de Recherche en Biologie

Sept. 2022 – Jul. 2025

- Admission to ENS Paris-Saclay
- First year of the Biology-Health Master's program at the University of Paris-Saclay
- Research Year in Artificial Intelligence
- Second year of the Biology-Health Master's program in fundamental Microbiology at the University of Paris-Saclay

Université Grenoble-Alpes, Bachelor's in International Biology

Sept. 2019 – Jul. 2022

- Bachelor's degree taught in English
- Third year on exchange at Erasmus University College Rotterdam

Scientific communication

Poster presentation: Latsis symposium, The History of Epidemics - are there lessons for the future? ETH, Zürich, Switzerland

Feb. 2026

Poster presentation: 32nd International Conference on Dynamics and Evolution of Human Viruses, Paris, France

May 2025

Oral presentation: Congrès Junior Pluridisciplinaire, Université Paris-Saclay, France

May 2025

Grants and fellowships

Doctoral Fellowship: CNRS PhD funding for interdisciplinary health research

Oct. 2025 – Present

Pre-doctoral Fellowship: PhD Track, ENS Paris-Saclay

Sept. 2023 – Aug. 2025

Internship Fellowship: international fellowship IDEX for Master

Jun. 2023

Skills

Programming Languages: Python, R, Bash, Snakemake, LaTeX

Languages: French (Native language), English (C1, IELTS certification)