

Rose Marin

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Professional Experience

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| 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 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • Effect of clonal interference on relatedness in spatially structured microbial populations | |

Education

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| École Normale Supérieure (ENS) Paris-Saclay , Département d'Enseignement et de Recherche en Biologie | Sept. 2022– Jul. 2025 |
| <ul style="list-style-type: none"> • 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 |
| <ul style="list-style-type: none"> • Bachelor's degree taught in English • Third year on exchange at Erasmus University College Rotterdam | |

Scientific communication

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| 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 |

Poster and short oral presentation: Open Day in Computational Biology and Mathematics,
Toulouse, France

Jul. 2024

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)