

# DIANE LETOURNEUR

PhD student at the Pasteur Institute Paris

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## WORK EXPERIENCE

<b>Pasteur Institute Paris</b>	<b>PhD</b>	<b>2021/02-2024</b>
“Chronic carriage of CNF1-producing bacteria in the gut and development of colorectal cancer” Supervisors: Amel Mettouchi and Emmanuel Lemichez		
<b>Gustave Roussy Institute</b>	<b>M2 internship</b>	<b>2020/01-2021/01</b>
“Impact of BCG on bladder cancer cells” Supervisors: Mathieu Rouanne and Aurélien Marabelle		
<b>Gustave Roussy Institute</b>	<b>Voluntary internship</b>	<b>2019/07</b>
“Immune context of human cancer” Supervisor: Aurélien Marabelle		
<b>Imperial College London</b>	<b>M1 internship</b>	<b>2019/01-2019/06</b>
“Characterisation of the type VI secretion system accessory components TagJ1 of <i>Pseudomonas aeruginosa</i> and TagX1 of <i>Pseudomonas putida</i> ” Supervisors: Patricia Bernal and Alain Filloux		
<b>IBENS</b>	<b>L3 internship</b>	<b>2018 summer</b>
“Selective labeling of <i>Listeria monocytogenes</i> proteins by noncanonical amino acid tagging” Supervisor: Alice Lebreton		
<b>ENS Lyon</b>	<b>L3 formation</b>	<b>2018/05</b>
“Infection of <i>Drosophila melanogaster</i> by the parasitoid wasp <i>Leptopilina heterotoma</i> ” Supervisor: Stéphane Vincent		

## EDUCATION

<b>2021-2024</b>	PhD at the Pasteur Institute Paris and Université Paris Cité
<b>2020-2021</b>	“Projet Long de Recherche” at the ENS Lyon
<b>2019-2020</b>	M2 Biology at the ENS Lyon M2 Biosciences at the Claude Bernard University (Lyon 1)
<b>2018-2019</b>	M1 Biology at the ENS Lyon M1 Biosciences at the Claude Bernard University (Lyon 1)
<b>2017-2018</b>	L3 Biology at the ENS Lyon L3 of Life Science at the Claude Bernard University (Lyon 1)
<b>2015-2017</b>	Two-year intensive courses preparing for the entrance exam to selective French Universities (Grandes Ecoles), BCPST at Henri IV (Paris 5e) Sciences, Technologies, Health : L1 and L2 at the Pierre and Marie Curie University
<b>2015</b>	Scientific bachelor’s degree with highest honor, Marie Curie, Sceaux

## SKILLS

<b>Science</b>	organoids, cell culture, bacterial culture, infection, competition assay, transformation qPCR SYBR and Taqman, PCR immunofluorescence, confocal and wide-field microscopy protein assays (Luminex, MSD, ELISA), western blot RNA and DNA purification, miniprep
<b>Informatics</b>	R, RStudio, ImageJ, Fiji, Python, GraphPad Prism, Kaluza, FlowJo, Zotero multidimensional data analyses (PCA, tSNE, OPLS), ROC analyses, Kaplan-Meier estimate, correlation, linear regression
<b>Languages</b>	French (mother language) English (Cambridge Advanced Exam level C1) Italian (B2)
<b>Areas of interest</b>	Athleticism, piano

**PUBLICATIONS** orcid: 0000-0002-1837-1745

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**OTHER ACTIVITIES**

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- 2023** Organisation of the “séminaire Biorisques” at the ENS Ulm with the CERES and the association [Effisciences](#)
- 2022** Participation in a bio-art project to sensitize high school students to microbiology, supervisors: Olivier Cordin (Pasteur Institute Paris) and Rachid Menouni (Lycée de l’Assomption, 93140 Bondy)
- 2022** Supervision of a Master 2 student
- 2022** Publication of an outreach [article](#) in the Pipettes Magazine (Pasteur Institute Paris)
- 2020-22** Creation and animation of an outreach [blog](#) in microbiology
- 2018** Creation of an [outreach card game](#) showing the microbiota/host interactions, presentation to high school students in Lyon, supervisor: Jean-Nicolas Volff (ENS Lyon)
- 2017** Creation of an [outreach video](#) showing the immune response of insects, presentation during the Festival of Science 2018 in Lyon, supervisors: Nathalie Davoust and Chloé Journo (ENS Lyon)
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