Maud Ginestet

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PhD student, CIRB

Education

2016-2018 **École Normale Supérieure**, *Rue d'Ulm, Paris*, Bachelor then International Master in Life Sciences (IMaLiS) in molecular and developmental biology, with an emphasis on computational biology (curriculum 'Systems biology, Genomics, Bioinformatics'), with average grade 16.5/20.

2014-2016 **2-years study course BCPST**, *Henri IV high-school, Paris*, Intensive training to set competitive exams, Received 1st at ENS of Paris.

2014 **Baccalauréat degree in science**, With distinction (*Très Bien*, 20.16/20).

Research experiences

March-June 2021 **Drug translatability assessment in the context of drug repurposing using GWAS and multi-omics data**, *Data Science Department, Pharnext company, Paris*, R, bash, online databases.

May-July 2019 and January-June 2020 **Role of tRNAs in *Drosophila* early embryogenesis**, *Evolution and Development of Germ Cells lab, CIRB, Paris; with Jean-René Huynh and Anahi Molla-Herman*, Genetic experiments design, Immunostaining and confocal microscopy, DRIP-qPCR.

October 2018 - March 2019 **Dynamics of epithelial cells monolayers**, *Cell-Adhesion Mechanics lab, IJM, Paris; with B. Ladoux, S. Sonam and L. Balasubramaniam*, Micropatterning, Cell imaging.

February-July 2018 **Identification of viral structural proteins binders in various host cell pathways**, *Interacteam, EMBL Australia, UNSW, Sydney; with E. Sierecki, Y. Gambin and D. Jacques*, Gateway cloning, cell-free expression, AlphaScreen, Single-Particule Spectroscopy.

Autumn 2017 ***In silico* research of enhancers downstream of Nodal and BMP4 in *P. lividus* early development**, *ENS computational biology project, M. Thomas-Chollier and P. Vincens*, Bash, Python, ATAC-seq data, raw genome.

June-July 2017 **Regulation of *Krox20* expression in the zebrafish developing hindbrain**, *P. Charnay's lab, IBENS, Paris; with P. Torbey and P. Gilardi-Hebenstreit*, Transgenesis and CRISPR mutagenesis, *in situ* hybridization, PCR mutagenesis.

Other scientific experiences

Seminar: Introduction to genetic engineering for non-biologists.

Writer of sharing science articles, *Planet-Vie website*.

2021-2022 **Practical courses supervisor (bash programming, enzymology)**, *Bachelor in Biology, Sorbonne Université, Paris*.

2018-2019 **Computer science projects supervision (Python)**, *BCPST2, Henri IV, Paris*.

2017-2021 **Physics and chemistry exam preparation tutor**, *BCPST1 et 2, Henri IV, Paris*.

2016-2018 **Volunteer teacher in biology**, To students from disadvantaged high-schools.

2016-2017 **Maths exam preparation tutor**, *BCPST1, Henri IV, Paris*.

Skills

Languages Mother tongue: **French**, C1 (IELTS): **English**, Intermediary: **Swedish**, **Spanish**, **Esperanto**, Beginner: **Icelandic**, **Russian**

Others Driving license B (2015); First Aid Certificate, PSC1 (2017, 2022)