CV Rose Bulteau
Born December 15th 1996 in Paris, France

EDUCATION

2019-2020 Master's degree in molecular biology, FST, Nancy

2016-2020 Engineer's degree in Agronomy, ENSAIA (Ecole Normale Supérieure d'Agronomie et des Industries Alimentaires), Nancy

2018-2019 Erasmus, Research Master in biodiversity and Sustainability, Leiden University, Netherlands

2014-2016 Preparatory Classes at BCPST - Saint Maur des Fossés 94000, France

EXPERIENCES

2020-2022 Engineer, LAMBE (CNRS UMR8587) & Collège de France (CIRB UMR7241- U1050), Paris, France

Study the evolution of the mechanical properties of murine oocytes→ Biophysics (Atomic Force Microscopy (AFM), Microfluidic, Micropipette Aspiration), Mouse handling (Animal Experimentation training – Concepteur Level), Oogenesis, Molecular biology techniques (plasmid linearization, In vitro transcription, RNA purification and microinjection, Electrophoresis), Seminar attendance: Physics and Biological systems 2021 & 2022 (Poster) - Mifobio 2021 (Poster & AFM workshop)

2020 Master 2 internship in URAFPA (Unité de Recherche Animal et fonctionnalités des produits animaux- INRAE), Nancy, France

Investigating the hormones mediating final oocyte maturation (FOM) in the reproductive cycle of female Eurasian perch→ Ovarian follicles culture, Enzyme Linked Immunosorbent Assay (ELISA), Analysis of the FOM advancement, Data processing and statistical analysis

PUBLICATIONS

El Mohajer L, Bulteau R, Fontaine P, & Milla S. (2022). Maturation Inducing Hormones in teleosts: Are progestogens always the first to be nominated? Aquaculture, 546, 737315. https://doi.org/10.1016/j.aquaculture.2021.737315

El Mohajer L, Bulteau R, Chevalier C, Selmi S, Fontaine P, & Milla S. (2021). In vitro follicle culture shows that progestagens are the maturation-inducing hormones (MIH) and possible regulators of the ovulation-mediating hormone PGE2 in female Eurasian perch Perca fluviatilis. Fish Physiology and Biochemistry, 47(4), 881–894. https://doi.org/10.1007/s10695-021-00946-5

SUPERVISION

2022 3 Students Apprentis Chercheurs (Arbre des connaissances) Collège de France, Paris, France