

**Ph.D. PROGRAM IN GENETICS, MOLECULAR AND
CELLULAR BIOLOGY – XXXIX CYCLE**

Ph.D. Student: GIULIA BRAZZALE

Project Title: “Identification of cytological and molecular factors participating to the acquisition of mammalian oocyte’s developmental competence”

Supervisor: Prof. ZUCCOTTI MAURIZIO

Co-Supervisor: Prof. MERICO VALERIA

Reviewer: Prof. BIGGIOGERA MARCO

Giulia Brazzale

9 June 1997 - Rho (MI), Italy

Vermezzo con Zelo (MI), Italy

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EDUCATION

2023- Current

PhD in GENETICS, MOLECULAR AND CELLULAR BIOLOGY (XXXIX Cycle) | University of Pavia – Italy

Project title: “*Identification of cytological and molecular factors participating to the acquisition of mammalian oocyte’s developmental competence.*”

2021 - 2023

MASTER’S DEGREE IN EXPERIMENTAL AND APPLIED BIOLOGY - Molecular Biomedical Sciences | University of Pavia – Italy

Thesis title: “*Identification of miRNAs released by human cumulus cells and their role in the acquisition of the oocyte’s developmental competence.*”

Final mark: *110/110 cum laude*

2017 – 2021

BACHELOR’S DEGREE IN BIOLOGICAL SCIENCES | University of Pavia – Italy

Thesis title: “*Effects of density on the anti-predatory response in Rana latastei larvae.*”

Final mark: *103/110*

2011 – 2017

HUMAN SCIENCES HIGH SCHOOL | Istituto d'Istruzione Superiore Bachelet – Abbiategrosso (MI), Italy

RESEARCH AND LABORATORY EXPERIENCE

2021- Current

Laboratory of Developmental Biology | University of Pavia – Italy

- Manipulation of sperm and oocytes (mouse)
- *In vitro* fertilization (mouse)
- Human cell culture techniques
- Use of the micromanipulator
- miRNA extraction
- *q*-RT-PCR

2019 – 2020

Laboratory of Zoology | University of Pavia – Italy

- Manipulation of frogs and tadpoles
- Evaluation of animal behavior

PUBLICATIONS

- *"Effects of conspecific density on tadpole risk assessment and defensive behaviour"*; Andrea Gazzola, Alessandro Balestrieri, Giulia Brazzale and Daniele Pellitteri-Rosa; *Behaviour*, Brill (2021).

CERTIFICATIONS

- *"Core Principles for the Care and Use of Animals in Research"* | Istituto Zooprofilattico Sperimentale della Lombardia e dell'Emilia Romagna (2022).
- *ECDL Standard Certification* (2020).