

# PENELOPE MARIA GUGOLE

Via Giuseppe Bentivogli 2, Bologna (BO)  
Born: 07/02/1994, Arzignano (VI)  
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## EDUCATION

**High School Diploma | ITIS Galileo Galilei Arzignano (VI) – Chemical-Biological Address**  
2013

QUALIFICATION AS A CHEMICAL-BIOLOGICAL LABORATORY TECHNICIAN.

**Master's degree in veterinary medicine | University of Teramo 2021**  
2021

Graduated with a score of 106/110. Thesis on Obstetrical, Gynecological, and Andrological Veterinary Clinic titled "Factors affecting oocyte recovery and quality in bovine OPU program.

**Professional Veterinary License | University of Teramo 2021**  
JUNE 2021



## EXPERIENCE

**Erasmus Student | Universidade de Évora**  
ACADEMIC YEAR 2017/2018

**Erasmus Student Traineeship | LUKE - Natural Resources Institute Finland**  
31/07/2019 – 01/10/2019

Internship activities at the research, production, and marketing structure of animal embryos. Clinical activities on large animals, focusing on reproductive medicine.

**Intern | CREC – Equine Reproduction Center Centauro, Tivoli (Rome)**  
30/06/2020 – 31/07/2020

Participation in the daily activities of the company, acquiring basic practical knowledge in AI management, synchronization protocols, semen collection, assistance during birth, and notions of perinatology and clinic.

**Graduate Trainee | University of Teramo**  
MAY 2021 – OCTOBER 2021

Practical clinical activities at the Diagnostic Department of the Veterinary Teaching Hospital, deepening theoretical-practical knowledge in diagnostic imaging, particularly in ultrasound techniques and basic clinic.

**Graduate Trainee | University of Bologna**  
NOVEMBER 2021 – OCTOBER 2022

Theoretical-practical activities at the Laboratory of Animal Reproduction and Biotechnologies (LRBA), supervised by Professor Eleonora Iacono. Work focused on learning IVEP techniques and cell cultures for use in clinical practice and the study of cryopreservation techniques.

### **Ph.D. Research | Università degli Studi di Bologna**

NOVEMBER 2022 – ON GOING

Research project "Development of a protocol for vitrification of equine oocytes to limit damage induced by cryopreservation," conducted under the supervision of Professor Barbara Merlo, co-supervisor Professor Eleonora Iacono.

### **Tutor | University of Bologna**

11/07/2022 – 31/10/2022

Winner of the competition for the position of didactic tutor for the "SUPPORT AND MANAGEMENT OF INSTRUMENTATION FOR EXERCISES" program.

### **Tutor | University of Bologna**

02/05/2023 – 31/10/2023

Winner of the competition for the position of didactic tutor for the "SUPPORT AND MANAGEMENT OF INSTRUMENTATION FOR EXERCISES" program.

### **Second Level master's degree Student | University of Siena**

22/01/2024 – ONGOING

Master in "Medical biotechnology and human reproductive biology".



## **LINGUISTIC SKILLS**

- English Language Certificate Format Cambridge Level B2
- Portuguese Language Certificate B1 issued by the University of Teramo



## **PUBLICATIONS**

- Merlo B, Gugole PM, Iacono E. An Update on Applications of Cattle Mesenchymal Stromal Cells. Animals (Basel). 2022 Aug 2;12(15):1956
- Iacono E, Lanci A, Gugole P, Merlo B. Shipping Temperature, Time and Media Effects on Equine Wharton's Jelly and Adipose Tissue Derived Mesenchymal Stromal Cells Characteristics. Animals (Basel). 2022 Aug 3;12(15):1967.
- Leal G R, Santos Monteiro C A, De Rezende Carvalheira L, Gugole P M, Gonçalves Souza-Fabjan J, Simulated physiological oocyte maturation (SPOM) system application in cattle: A systematic Review. Animal Reprod, e33079, 2022, Abstracts – 35<sup>th</sup> Annual Meeting of the Brazilian Embryo Technology Society (SBTE)
- Pereira Alcaraz L, Prellwitz L, Alves G, Gugole P M, Gonçalves Souza-Fabjan J, Burla Dias Â J, Role of PI3K/AKT/PTEN pathway inhibitor during ivm of mammalian oocytes: a systematic review. Animal Reprod, e22142, 2022, Abstracts – 35<sup>th</sup> Annual Meeting of the Brazilian Embryo Technology Society (SBTE)
- Merlo B, Gugole P, Iacono E, Mari G, De Amicis I, Bucci R, Loi P, Saragusty J, Horse oocytes ICSI with donkey freeze-dried and frozen spermatozoa: preliminary results. Abstract, IETS Lima, Perù 16-23 January 2023
- Gugole P, Iacono E, Merlo B, Effect of holding and naloxone on vitrification of immature horse oocytes: preliminary results. Abstract, ESAR Nantes, France 21-23 September 2023
- Gugole P, Iacono E, Merlo B, Vitrification of equine germinal vesicle oocytes: an ongoing challenge. Abstract, IETS Denver, Colorado USA 9-12 January 2024



## **PARTICIPATION IN CONFERENCES AND CONGRESSES**

- 26th International SIVE Congress, Bologna, January 28-29, 2022
- 19th International Congress on Animal Reproduction (ICAR), Bologna (ITALY), June 26th-30th, 2022

- "From basic research to the Center for Reproductive Medicine... and back" (SISMER), Bologna, November 25-26, 2022
- European Symposium of Animal Reproduction (ESAR), Nantes, September 21-23, 2023
- International Embryo Transfer Society Congress (IETS) Denver, Colorado USA 9-12 January 2024