Direzione Ricerca,
Innovazione e
Internazionalizzazione

UNIVERSITÀ
DI TORINO

ID

VP_049_DISAFA

Visiting Professor Program
Academic Year 2025/2026

TEACHING COMMITMENT: **20 hours**

COURSE TITLE

Animal Biodiversity and Biotechnology

TEACHING PERIOD

II semester

SCIENTIFIC AREA

Animal Biodiversity and Biotechnology

LANGUAGE USED TO TEACH

English

COURSE SUMMARY

The course will provide an in-depth exploration of the following biotechnologies:
- Cryopreservation for oocytes and embryos;
- In vitro maturation (IVM);
- In vitro fertilization (IVF);
- Intra-cytoplasmatic sperm injection (ICSI);
- New frontiers in the Embryo Transfer
- Somatic Cell Nuclear Transfer (SCNT)
- Cloning technologies in mammals

LEARNING OBJECTIVES

Theoretical and practical knowledge of the most modern animal biotechnologies for the genetic management of animal biodiversity, with particular reference to biomolecular techniques related to the optimisation of animal reproduction and the protection of endangered species.

OTHER ACTIVITIES BESIDE THE COURSE

VISITING PROFESSOR PROFILE

Expert in the field of animal biotechnologies, specializing in reproductive and genetic management techniques aimed at optimizing animal breeding and conserving biodiversity. With extensive experience in both academic research and practical applications, he/she contributed significantly to the advancement of biomolecular techniques related to assisted reproduction, genetic preservation, and cloning technologies in big ruminants. Supervision of PhD and MSc students on research projects related to buffalo embryo production.

CONTACT REFERENT

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