

PERSONAL INFORMATION **Irene Tessaro**

📍 Regenerative medicine and Biomaterials Laboratory (in IRCCS Ospedale San Raffaele, DIBIT1,
Via Olgettina, 58 – 20132 Milan)

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CURRENT POSITION Post-doctoral fellow at ICRCSS Istituto Ortopedico Galeazzi**WORK EXPERIENCE**

From May 2015

Post-doctoral fellow

Istituto Ortopedico Galeazzi - Via R. Galeazzi, 4 – 20161 Milan - Italy

Sector: Regenerative medicine and biomaterials – Referee: Prof. Giuseppe M. Peretti

From May 2011 – To April 2015

Post-doctoral fellow

University of Milan – Via Festa del Perdono, 7 – 20122 Milan – Italy

<http://www.redbiolab.unimi.it/RedBioLab/Home.html>

Sector: Research activity focused on epigenetic changes in assisted reproductive technologies in mammals. Referee: Prof. Alberto M. Luciano

June/July 2013

Visiting scientist

June/July 2012

Unité mixte de Reserche de Physiologie de la Riproduction et des Comportaments, Institut National de la Reserche Agronomique – Centre de Tours, 37380 Nouzilly, France.

June 2011

May 2010

Sector: Research activity on “Epigenetic regulation during equine oocyte maturation” – Referee: Dr. Ghylene Goudet

From May 2007 – To October
2007

Research fellowship supported by “Sovvenzione Globale Ingenio” (Regione Lombardia, Finlombarda spa, European Union, Ministero del Lavoro e delle Politiche Sociali, European social fund)

Laboratory of Technologies of Reproduction – C.I.Z. srl, Via Maremmana 17 A/C – 56020 La Serra di San Miniato (PI) - (now Avantea srl; www.avantea.it)

Sector: Research activity on validation of novel approaches on reproductive toxicology; bovine, equine, swine and ovine embryo production technologies for both research and commercial purposes. – Referee: Prof. Giovanna Lazzari – Prof. Cesare Galli

From April 2005 – To April 2007

Research fellowship supported by ReProTect project (6th Framework Programme, European Union)

Laboratory of Technologies of Reproduction – C.I.Z. srl, Via Maremmana 17 A/C – 56020 La Serra di San Miniato (PI) – (now Avantea srl; www.avantea.it)

Sector: Research activity on validation of novel approaches on reproductive toxicology; bovine, equine, swine and ovine embryo production technologies for both research and commercial purposes. - Referees: Prof. Giovanna Lazzari, Prof. Cesare Galli

EDUCATION AND TRAINING

From November 2007 – To
October 2010

Ph.D. in Biotechnology applied to Veterinary Sciences (December 14, 2010)

Faculty of Veterinary Medicine, University of Milan (Via G. Celoria, 10; 20133 Milan, Italy) – PhD Tutor: Prof. Silvia C. Modena.

Title of Ph.D. degree thesis: Dairy cow as a model to study premature ovarian failure: morphological and molecular aspects.

From September 1999 – To
March 2005

Doctor in Biotechnologies, Veterinary orientation

Faculty of Veterinary Medicine, University of Milan (Via G. Celoria, 10; 20133 Milan, Italy) – Tutor Master Degree Thesis: Prof. Gaia C. Luvoni.

Title of Master Degree Thesis: Developmental competence of bovine oocytes exposed to oxidative stress and antioxidants during in vitro maturation.

TUTORIAL ACTIVITY

Academic courses

Course: Veterinary Histology and Embryology
Degree course of Veterinary Medicine; University of Milan, Italy
Academic year: 2008-2009

Course professor: Prof. Alberto M. Luciano
Activity: collection and preparation of organs and tissues from domestic and laboratory animals
Setting up of histologic and cytological samples for student practice exercises.

Course: Systematic and Topographic Veterinary Anatomy
Degree course of Veterinary Medicine; University of Milan, Italy
Academic year: 2008-2009

Course professors: Prof. Antonio Lauria – Prof. Silvia C. Modena
Activity: collection and preparation of organs and tissues from domestic and laboratory animals
Setting up of histologic and cytological samples for student practice exercises.

Course: In vitro models for animal production and reproduction (Faculty of Veterinary Medicine; University of Milan, Italy)

Doctoral school in “Veterinary and Animal Science”
Academic years: 2008-2009; 2009-2010;

Course professor: Prof. Alberto M. Luciano
Activity: seminars and practice exercises

PERSONAL SKILLS

Mother tongue Italian

Other language

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B1	B2	B1	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

- Job-related skills**
- **Cell culture**
 - **Oocyte micromanipulation:** ooplasmic microinjection in denuded and cumulus enclosed oocytes of dyes to study intercellular gap junction mediated communications and of small interfering RNA to provoke specific post-transcriptional gene silencing (cow, horse, pig).
 - **In vitro embryo production:** oocyte isolation, in vitro maturation and fertilization and embryo culture in different mammal species.
 - **Handling of management of laboratory animals (mice):** techniques for oral, subcutaneous and intraperitoneal drug administration.
 - **Histochemistry, immunohistochemistry, immunocytochemistry and immunofluorescence techniques.**
 - **Microscopy analysis of tissue and “whole mount” samples**
 - **Karyotyping:** chromosome dyeing and karyotypization of mature bovine oocytes.
 - **Hormones evaluation in biological samples** (ELISA techniques).

Computer skills Microsoft Office, SPSS, Prism, GraphPad, EndNote, PhotoShop, ImageJ, database searching acquaintance with Internet, both Windows and MacOSX.

Driving license B

ADDITIONAL INFORMATION

Author of 30 scientific papers in peer-reviewed journals (4 as first author)

Author of 20 international congresses presentations (2 oral presentations and 18 poster presentations), 5 as presenting author (1 oral presentation and 4 poster presentations)

Attendance to 7 international congresses

Scopus Author ID: 15123434600

ORCID ID: <https://orcid.org/0000-0003-0770-7458>

Disclosure: In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize you to use and process my personal details contained in this document

