Isabella Manenti

Date of birth: 02/05/1994 | **???profile.personal-information.label.birthplace???:** Seriate (BG), Italy |

Nationality: Italian | **Gender:** Female | **Phone number:** (+39) 3381408642 (Mobile) | **Email address:**

i.manenti@outlook.it | **Address:** Largo Paolo Braccini, 2, 10095, Grugliasco (TO), Italy (Work)

● WORK EXPERIENCE

01/11/2024 – CURRENT Grugliasco (TO), Italy
POST-DOC FELLOWSHIP RESEARCHER UNIVERSITY OF TURIN

Multifaced and integrated approach to identify and assess animal welfare: miRNAs, behviour, hormones and biologgers data
- Bibliographic research
- Collection and processing biological samples
- Extraction of hormones (cortisol, corticosterone, estradiol, progesterone) from different matrices (plasma, saliva, milk, hair, feather, faeces)
- Extraction of microRNAs from different matrices (plasma, saliva, milk)
- Behavioural analyses
- Real-Time qPCR of circulating miRNAs
- Statistical analyses of collected data
- Writing and drafting papers

Business or Sector Agriculture, forestry and fishing | **Department** Deparament of Veterinary Sciences

10/04/2023 – 15/10/2023 Zaragoza, Spain
RESEARCH STAGIST UNIVERSITY OF ZARAGOZA

Identification of biomarkers (miRNAs) to assess stress during transport of lambs through hormonal and physiological parameters analyses
- Bibliographic research and project design
- Biological samples collection and processing (saliva, plasma)
- Writing and drafting papers
- Behavioural data collection (observations) and evaluation of cows herds and sheep flock
- Analyses of bio-loggers data for heart rate and body temperature

Business or Sector Agriculture, forestry and fishing |

Department Department of Animal Production and Food Sciences (Veterinary Sciences)

01/11/2020 – 31/10/2021 Grugliasco (TO), Italy
FELLOWSHIP RESEARCHER UNIVERSITY OF TURIN

Monitoring physiological parameters of welfare and health of a flock on pasture
- Extraction and evaluation of hormone profiles (estradiol, progesterone, cortisol) from different matrices (plasma, saliva)
- Behavioral analysis from video recordings
- Extraction and analysis of c-miRNAs from ovine plasma

Business or Sector Agriculture, forestry and fishing | **Department** Department of Veterinary Sciences

EDUCATION AND TRAINING

01/11/2021 – 31/10/2024 Grugliasco (TO), Italy
PHD IN VETERINARY SCIENCES FOR ANIMAL HEALTH AND FOOD SAFETY University of Turin, Department of Veterinary Sciences

The PhD project aims to detect circulating miRNAs expressed in body fluids and to correlate them with animal health and welfare, in particular in relationship with the reproductive status, often affected by stress factors. A second goal is understanding if c-miRNAs profiles reflect the stress vulnerability of sheep.
   • Bibliographic research
   • Collection of biological samples in stable
   • Extraction and evaluation (ELISA) of hormone profiles (estradiol, progesterone, cortisol, corticosterone, oxytocin) from different matrices (plasma, saliva, feces, hair, water, feathers, milk)
   • Behavioral assessment from video recordings
   • Extraction and analysis (RT-qPCR) of c-miRNAs from plasma and saliva
   • Statistical analyses of sequencing data
   • Cell cultures and treatment, immunohistochemistry
   • Writing and editing papers

Website https://dott-scivet.campusnet.unito.it/do/home.pl ⎪ **Field of study** Veterinary ⎪ **Level in EQF** EQF level 8 ⎪

Thesis Application of circulating miRNAs expression profiles in an endangered Piedmontese sheep breed during the estrous cycle

01/02/2020 – 22/12/2020 Padua, Italy
ANIMAL WELFARE ETHICS CERTIFICATE University of Padua, Department of Comparative Biomedicine and Food Science

Updating and training for the implementation of best practices and animal welfare assessment. Acquisition of an interdisciplinary view of animal welfare, including problem solving techniques and ethical review processes.
   • Animal Welfare Assessment expertise and construction of management evaluation protocols
   • Animal Welfare Management expertise and building management protocols in the field of wild animals in a controlled environment
   • decision making and problem solving skills in the Ethical Review Processes and Animal Welfare Ethics

Website https://www.unipd.it/animal-welfare-ethics ⎪ **Field of study** Welfare not further defined ⎪ **Level in EQF** EQF level 7

01/10/2017 – 06/04/2020 Turin, Italy
MASTER'S DEGREE WITH HONORS IN EVOLUTION OF ANIMAL AND HUMAN BEHAVIOUR University of Turin, Department of Life Sciences and Systems Biology

Thesis included in European "EcoLamb" project (ERA-NET SUSAN): Holistic production to reduce the ecological footprint of meat, to assess the sustainability of diverse European sheep production systems, focusing on ecological footprint, animal welfare aspects and nutrition value of lamb meat.
   • Collection of samples on pasture and in stable
   • Extraction and evaluation of hormone profiles (cortisol) from hair
   • Behavioral assessment through check-list (Quality Behaviour Assessment)

Website https://naturali.campusnet.unito.it/do/home.pl/View?doc=/edu/LM_Evoluzione_Comportamento_Animale_e_Uomo.html ⎪

Field of study Biological and related sciences not further defined ⎪ **Final grade** 110/110 Cum Laude ⎪ **Level in EQF** EQF level 7 ⎪

Thesis Evaluation of sheep flock's animal welfare in stable and on pasture through behavioural observations and hormonal analysis

01/04/2019 – 30/09/2019 Turin, Italy
TEACHING CERTIFICATE OF 24CFU University of Turin

   • Pedagogy of the Educational and Training Relationship for Secondary School
   • Psychology of Education and Learning in School Settings
   • Cultural Anthropology
   • Educational Methodologies and Techniques for Environmental Biology

Field of study Education science

01/10/2013 – 17/02/2017 Milan, Italy

BACHELOR'S DEGREE IN BIOLOGICAL SCIENCES University of Milan Bicocca, Department of Biotechnology and Biosciences

Website https://www.unimib.it/triennale/scienze-biologiche │ **Level in EQF** EQF level 6

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C1	B1	B1	C1
SPANISH	A1	A1	A1	A1	A1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Office │ PRAAT and Audacity; audio analysis and editing │ BORIS Software │ QGIS: basic level │ IBM Statistical package for Sciences (SPSS) │ GraphPad Prisim │ CFX Maestro