



UNIVERSITÀ  
CATTOLICA  
del Sacro Cuore

**CORSI DI FORMAZIONE ED AGGIORNAMENTO PER LA PROTEZIONE  
DEGLI ANIMALI DA LABORATORIO NELLA RICERCA SCIENTIFICA  
APRIL-JUNE 2026 EDITION**

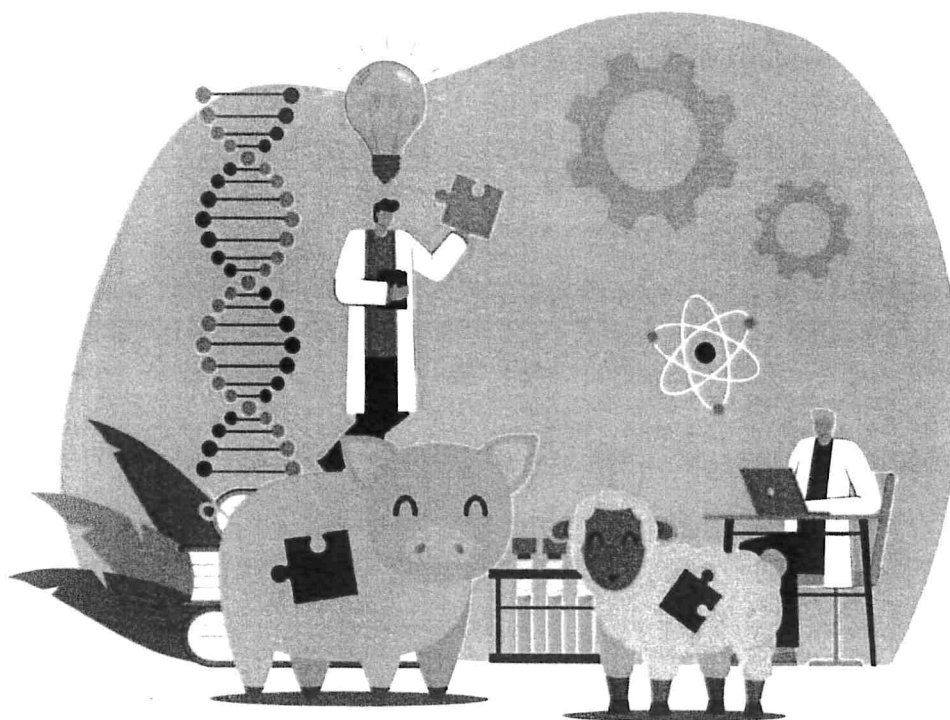
**Large animals  
Species: PIGS/MINIPIGS and/or SHEEP**

Ministerial Accreditation DGSAF – 33825 dated 11/18/2024

Also valid for CPD (Continuing Professional Development) – Sviluppo Professionale Continuo (SPC)



**FELASA EUROPEAN ACCREDITATION (N. F076/24)**  
Functions A, B, C, D, and modules 20, 21, 50, and 51



**Theoretical part in E-learning mode 16 APRIL – 19 MAY 2026**

**Practical part taken in person 10 or 11 JUNE 2026**

**UNIVERSITÀ CATTOLICA SACRO CUORE  
EXPERIMENTAL RESEARCH CENTER  
Largo F. Vito 1 – 00168 Roma**

## USEFUL INFORMATION AND DEADLINES

- PRE-REGISTRATION OPENS: **16 February 2026**
  - DEADLINE FOR PRE-REGISTRATION: **13 March 2026**
  - ADMISSION NOTIFICATION BY EMAIL: **23 March 2026**
- The Scientific Committee, chaired by the Course Director, Dr. Maria Emiliania Caristo, reserves the right to evaluate candidates' pre-enrollment applications, complete with CVs, for admission to the Course.
  - Maximum capacity 16 participants.
  - Confirmation of admission will be sent by email by **23 March 2026**, with the Policy and payment methods attached.
  - Those admitted must confirm their participation by paying the registration fee no later than **2 April 2026**, at midnight. Failure to pay the fee will automatically result in forfeiture of admission to the course\*.

*The University reserves the right not to activate or postpone the course(s) if the minimum number of participants is not reached.*

\*Admitted students who decide to withdraw from the course are requested to promptly notify the Cen.Ri.S. Secretariat of their withdrawal, in order to allow those on the waiting list to be considered.

## TRAINING COURSE

### **THEORETICAL COURSE (asynchronous e-learning) + GROUP WORK: from 16 April to 19 May 2026**

By the non-extendable deadline of **19 May 2026**, students must have passed the online theory test and submitted their group project to the Secretariat of the Experimental Research Center (Cen.Ri.S.) in order to access the practical part of the course.

**All details and operating procedures will be communicated to learners via email.**

**TEAMS EVENT - INTERACTIVE DISCUSSION: 15 May 2026 - time to be agreed upon**

**PRACTICAL COURSE (in person):** will be held at the Cen.Ri.S. of the Catholic University of the Sacred Heart located at Largo Francesco Vito, 1, 00168 ROME.

### **PIGS/MINIPIG**

**10 June 2026 | 8:30 a.m. – 7:40 p.m.**

### **SHEEP**

**11 June 2026 | 8:30 a.m. – 7:40 p.m.**

## BLENDING COURSE - PIGS/MINIPIGS species

**FELASA CERTIFICATE:** Functions A, B, C, D and modules 20, 21, 50, and 51

**CFP CREDITS:** No. 43 pursuant to Ministerial Decree of August 5, 2021, and Directorial Decree of March 18, 2022

**ECM CREDITS (CME):** No. 48 for all professions

**ECM reference:** event 2463-471195 - Ed. 1

**Training Objective:** 24 – Veterinary health. Activities at animal facilities. Plant health

**COURSE DURATION:** 35 hours of asynchronous E-learning theory + 10 hours of classroom learning.

**REGISTRATION FEE:** €1,702.00 for external students | €1,502.00 for internal students (UCSC and FPG)

As the course is ECM-accredited, it is VAT-exempt. The fee includes a stamp duty of €2.00.

Payment methods will be communicated with specific POLICY.

**LINK FOR PRE-REGISTRATION:** <https://iscrizionionline.unicatt.it/s/events/sub?subId=a10dY000001Z6gH>

## BLENDING COURSE - SHEEP species

**FELASA CERTIFICATE:** Functions A, B, C, D and modules 20, 21, 50, and 51

**CFP CREDITS:** No. 43 pursuant to Ministerial Decree of August 5, 2021, and Directorial Decree of March 18, 2022

**ECM CREDITS (CME):** No. 48 for all professions

**ECM reference:** event 2463-471199 - Ed. 1

**Training Objective:** 24 – Veterinary health. Activities at animal facilities. Plant health

**COURSE DURATION:** 35 hours of asynchronous E-learning theory + 10 hours of classroom learning.

**REGISTRATION FEE:** € 1,802.00 for external students | € 1,602.00 for internal students (UCSC and FPG)

As the course is ECM-accredited, it is VAT-exempt. The fee includes a stamp duty of €2.00.

Payment methods will be communicated with specific POLICY.

**LINK FOR PRE-REGISTRATION:** <https://iscrizionionline.unicatt.it/s/events/sub?subId=a10dY000001ZAGr>

## CONTACTS

### **SCIENTIFIC COORDINATION:**

**COURSE DIRECTOR:** Dr. Maria Emiliana CARISTO

**SCIENTIFIC DIRECTOR:** Dr. Marcello RASPA

**THEORY AND PRACTICE COORDINATOR:** Dr. Lorenzo LUPOI

### **SECRETARIAT OF THE EXPERIMENTAL RESEARCH CENTER**

**Università Cattolica del Sacro Cuore (Catholic University of the Sacred Heart)**

FELASA certification and pursuant to Ministerial Decree of August 5, 2021, and Directorial Decree of March 18, 2022

Largo F. Vito 1, 00168 Roma

Tel: +39 06.3015.4616

Email: [cenris.corsi@unicatt.it](mailto:cenris.corsi@unicatt.it)

### **ORGANIZATIONAL SECRETARIAT AND PROVIDER 2463**

**Università Cattolica del Sacro Cuore (Catholic University of the Sacred Heart)**

Continuing Medical Education ECM (CME), Conferences, and Events

Largo F. Vito 1, 00168 Roma

Tel: +39 06.3015.4886 - 06.3015.7015

Email: [mariagrazia.chierchia@unicatt.it](mailto:mariagrazia.chierchia@unicatt.it)



## THEORETICAL PART E-LEARNING ON UCSC PLATFORM

|          |                                                                                                                                                                                                                                                                                        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 30 MIN.  | Introduction to the Course (organization, purposes, and goals). Animal Welfare and Design of Projects.<br><b>Dr. M.E. Caristo, UCSC</b>                                                                                                                                                | 60 MIN.  | Humanitarian methods of killing (part 2)<br><b>Dr. S. Fratini, UCSC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 100 MIN. | Legislative Decree No. 26/2014 implementing Directive 2010/63/EU and Guidelines for the submission of application for authorisation for projects under Legislative Decree 26/2014 (Annex VI)<br><b>Dr. G. Botta, Ministry of Health</b>                                                | 130 MIN. | Choice and introduction of the animal; choice of supplier and transport; requirements for establishments and for the care and accommodation of animals.<br><br>Requirements, equipment, environmental enrichment and operating procedures for carrying out research on large animals; preparation of the animal for the execution of the research, procedures without anesthesia, surgeries (anaesthesia, analgesia, pre- and post-operative care; humane methods of suppression); refinement in the relationship between patient and operator; practical examples of various types of research on large animals<br><b>Dr. M.E. Caristo, UCSC</b> |
| 30 MIN.  | Role and Functions of the Animal Welfare Body (AWB, art. 25 and 26 of Legislative Decree 26/2014)<br><b>Dr. V. Appicciutoli, ASL RM1</b>                                                                                                                                               | 60 MIN.  | Concepts and principles of technical and scientific evaluation of research projects in compliance with Legislative Decree 26/2014<br><b>Dr. Emanuela D'Amore, Istituto Superiore di Sanità</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 60 MIN.  | Ethics and animal experimentation: understanding and applying refinement in experimental procedures<br><b>Dr. M. Piscitelli, ENEA Casaccia Research Centre</b>                                                                                                                         | 30 MIN.  | European legislation (EU directive 63/2010) and Member State transposition (Legislative Decree 26/2014) for effective communication in promoting animal welfare and good science<br><b>Dr. O. Boruc, European Molecular Biology Laboratory</b>                                                                                                                                                                                                                                                                                                                                                                                                    |
| 60 MIN.  | Principle of the 3Rs and alternative methods: state of the art<br><b>Dr. M. Raspa, National Research Council</b>                                                                                                                                                                       | 60 MIN.  | From the idea, to the project to the experiments: the major criticalities encountered in the evaluation (damage/benefit analysis, experimental design and sizing)<br><b>Dr. L. Ricceri, Istituto Superiore di Sanità</b>                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 30 MIN.  | Bioethics and animal experimentation: towards a responsible perspective<br><b>Don Paolo Bonini, UCSC</b>                                                                                                                                                                               | 90 MIN.  | Elements of biomedical statistics for planning and compiling a research project<br><br>Statistical analysis, experimental design and sizing of animal groups (practical examples)<br><b>Prof. P. Pasqualetti, Sapienza University</b>                                                                                                                                                                                                                                                                                                                                                                                                             |
| 135 MIN. | Anatomy, biology and physiology of laboratory animals<br><b>Prof. P. De Girolamo, University of Naples Federico II</b>                                                                                                                                                                 | 50 MIN.  | Designing procedures and projects according to the current Guidelines<br><b>Prof. P. Pasqualetti, Sapienza University</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 100 MIN. | Basic and appropriate biology<br><b>Prof. P. De Girolamo, University of Naples Federico II</b>                                                                                                                                                                                         | 80 MIN.  | Design of procedures and Projects according to Legislation<br><b>Dr. M. Raspa, National Research Council</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 105 MIN. | Basic biology and genetic standardization; diseases of large animals and zoonoses; health monitoring; pain recognition, clinical signs of discomfort and supportive care; refinement and application of the principles of the 3Rs<br><b>Dr. S. Castaldo, AORN Cardarelli of Naples</b> | 120 MIN. | Conception, analysis and review of a research project<br><b>Dr. M. E. Caristo, UCSC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 40 MIN.  | Genetic standardisation, control and health monitoring<br><b>Dr. F. Scavizzi, National Research Council</b>                                                                                                                                                                            | 60 MIN.  | Principles and correct use of drugs, anaesthesia and analgesia to prevent pain, suffering and distress in animals used. Humane methods of suppression<br><b>Dr. M. Raspa, National Research Council</b>                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 50 MIN.  | Introduction to the establishment in compliance with the principles dictated by Legislative Decree 26/2014<br>Safety in animal enclosures and occupational hazards in scientific research with animal models: allergies and zoonoses<br><b>Dr. M. Raspa, National Research Council</b> | 120 MIN. | Anaesthesia for minor procedures<br><b>Dr. S. Fratini, UCSC</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 60 MIN.  | Design and management of research infrastructures: principles, organisation and equipment to guarantee research quality and sanitary standardisation (hygiene, disinfection and sterilisation)<br><b>Dr. D. Tamborini, Tecniplast S.P.A.</b>                                           | 120 MIN. | Research, Innovation and Development.<br><br>Introduction to the local environment (establishment) for persons with specific roles under the directive (e.g. under Articles 24, 25 and 38)<br><b>Dr. M. Raspa, National Research Council</b>                                                                                                                                                                                                                                                                                                                                                                                                      |
| 90 MIN.  | Recognition and assessment of stress, pain and suffering. Animal welfare, environmental and social enrichment, environmental interference with experiments<br><b>Dr. F. Carù, Accelera S.r.l</b>                                                                                       | 140 MIN. | Information provision and retrieval<br><b>Dr. M. Raspa, National Research Council</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 165 MIN. | Recognition of pain, suffering and distress. Humanitarian methods of suppression<br><b>Dr. S. Fratini, UCSC</b>                                                                                                                                                                        |          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## PRACTICAL PART – IN PERSON

### **PIGS/MINIPIGS**

**10 June 2026**

*(video, demonstration, and learner practice)*

#### **Management, Care, Health, and Maintenance:**

- Basic biology.
- Inspection of housing boxes, monitoring of animals, animal management.
- Restraint and minimally invasive procedures without anesthesia.
- Identification of animals.
- Registration of animals and assessment of welfare parameters.
- Disinfection methods.

#### **Administration and Blood Draws**

- Administration of substances: (intramuscular, intravenous, subcutaneous)
- Blood draws

#### **Anesthesia, Analgesia, and Humane Methods of Euthanasia**

- Methods for recognizing pain, suffering, and distress.
- Procedure for preparing for surgery.
- Gas and injectable anesthesia: anesthesia for minor procedures, advanced anesthesia for surgical or prolonged procedures (preparation and administration)
- Humane methods of euthanasia
- Disposal of special stable waste.

### **SHEEP**

**11 June 2026**

*(video, demonstration, and learner practice)*

#### **Management, Care, Health, and Maintenance:**

- Basic biology.
- Inspection of housing boxes, monitoring of animals, animal management.
- Restraint and minimally invasive procedures without anesthesia.
- Identification of animals.
- Registration of animals and assessment of welfare parameters.
- Disinfection methods.

#### **Administration and Blood Draws**

- Administration of substances: (intramuscular, intravenous, subcutaneous)
- Blood draws

#### **Anesthesia, Analgesia, and Humane Methods of Euthanasia**

- Methods for recognizing pain, suffering, and distress.
- Procedure for preparing for surgery.
- Gas and injectable anesthesia: anesthesia for minor procedures, advanced anesthesia for surgical or prolonged procedures (preparation and administration)
- Humane methods of euthanasia
- Disposal of special stable waste.

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| TITOLO                | NOMINATIVO             | CODICE FISCALE   | LAUREA E SPECIALIZZAZIONE                    | AFFILIAZIONE                                                                    |
|-----------------------|------------------------|------------------|----------------------------------------------|---------------------------------------------------------------------------------|
| DIRIGENTE             | MARIA EMILIANA CARISTO | CRSMML72M51L719L | Laurea in Medicina Veterinaria               | UNIVERSITA' CATTOLICA DEL SACRO CUORE                                           |
| DOCENTE               | PAOLO ANGELO BONINI    | BNPNPG66M03A429W | Laurea in Veterinaria                        | UNIVERSITA' CATTOLICA DEL SACRO CUORE                                           |
| TITOLO                | NOMINATIVO             | CODICE FISCALE   | LAUREA E SPECIALIZZAZIONE                    | AFFILIAZIONE                                                                    |
| DIRIGENTE             | VINCENZO APPICCIUTOLI  | PPCVCN58P28C773I | Laurea in Giurisprudenza                     | AZIENDA SANITARIA ASL RM E                                                      |
| RICERCATORE           | LAURA RICCERI          | RCCLRA66D54H501R | Laurea in Scienze Biologiche                 | ISTITUTO SUPERIORE DI SANITA'                                                   |
| PRIMO TECNOLOGO       | MARCELLO RASPA         | RSPMCL64B25D653R | Laurea in Medicina Veterinaria               | CONSIGLIO NAZIONALE DELLE RICERCHE - EUROPEAN MOUSE MUTANT ARCHIVE (CNR - EMMA) |
| RICERCATORE           | MARTA PISCITELLI       | PSCMRT63A67H501X | Laurea in Medicina Veterinaria               | ENEA                                                                            |
| DIRETTORE SCIENTIFICO | PATRIZIO PASQUALETTI   | PSQPRZ66A25H769H | Laurea in Scienze Statistiche e Demografiche | FONDAZIONE FATEBENFRATELLI PER LA RICERCA E LA FORMAZIONE                       |
| PROFESSORE ORDINARIO  | PAOLO DE GIROLAMO      | DGRPLA59R10F839Q | Laurea in Medicina Veterinaria               | UNIVERSITA' DEGLI STUDI DI NAPOLI FEDERICO II                                   |
| PRIMO TECNOLOGO       | D'AMORE EMANUELA       | DMRMNL59L53H501Y | Laurea in Medicina Veterinaria               | ISTITUTO SUPERIORE DI SANITA'                                                   |
| VETERINARIO           | FRANCESCO CARU         | CRAFNC66R04L682X | Laurea in Medicina Veterinaria               | ISTITUTO SCIENTIFICO OSPEDALE SAN RAFFAELE DI MILANO                            |
| DIRIGENTE             | GIOVANNI BOTTA         | BTTGNN59A23Z614Y | Laurea in Medicina Veterinaria               | MINISTERO DELLA SALUTE                                                          |
| DIRIGENTE             | DIEGO TAMBORINI        | TMBDGI62L25B682T | Corso Direzione Commerciale c/o CEGOS        | TECNIPLAST SRL                                                                  |

ELENCO DOCENTI – I CV SONO IN ARCHIVIO PRESSO IL PROVIDER

|             |                     |                  |                                |                                                       |
|-------------|---------------------|------------------|--------------------------------|-------------------------------------------------------|
| PROFESSORE  | SIGISMONDO CASTALDO | CSTSSM72L03F839B | Laurea in Medicina Veterinaria | CARDARELLI DI NAPOLI                                  |
| RICERCATORE | OLGA BORUC          | BRCLGO82M48Z127M | Biologia                       | EMBL/CNR                                              |
| VETERINARIO | STELLA FRATINI      | FRTSLL85E69L117K | Laurea in Veterinaria          | LIBERA PROFESSIONISTA                                 |
| VETERINARIO | EMANUELA D'AMORE    | DMRMN59L53H501Y  | Laurea in Veterinaria          | DIRETTORE CENTRO NAZIONALE<br>SPER. E BENESSERE - ISS |

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| TITOLO          | DOCENTI                | CODICE FISCALE   | TITOLO ACCADEMICO              | PROVENIENZA                                                                   |
|-----------------|------------------------|------------------|--------------------------------|-------------------------------------------------------------------------------|
| DIRIGENTE       | MARIA EMILIANA CARISTO | CRSMML72M51L719L | LAUREA IN MEDICINA VETERINARIA | UNIVERSITA' SACRO CUORE CATTOLICA                                             |
| PRIMO TECNOLOGO | MARCELLO RASPA         | RSPMCL64B25D663R | LAUREA IN MEDICINA VETERINARIA | CONSIGLIO NAZIONALE DELLE RICERCHE - EUROPEAN MOUSE MUTANT ARCHIVE (CNR-EMMA) |

TUTOR UCSC

| TITOLO                          | TUTOR INTERNI      | CODICE FISCALE   | TITOLO DI STUDIO                                      | PROVENIENZA                                |
|---------------------------------|--------------------|------------------|-------------------------------------------------------|--------------------------------------------|
| TECNICO DI ISTITUTO             | LORENZO LUPOI      | LPULNZ79B03H501O | LAUREA 1° LIVELLO IN SCIENZE DELLE PRODUZIONI ANIMALI | UNIVERSITA' CATTOLICA SACRO CUORE - CENRIS |
| OPERATORE TECNICO SPECIALIZZATO | MASSIMO AQUILINA   | QLNMSM65E21H501U | DIPLOMA DI TECNICO DI LABORATORIO                     | UNIVERSITA' CATTOLICA SACRO CUORE - CENRIS |
| OPERATORE TECNICO SPECIALIZZATO | FABRIZIO FIORE     | FRIFRZ64L17H501S | DIPLOMA DI TECNICO INDUSTRIALE                        | UNIVERSITA' CATTOLICA SACRO CUORE - CENRIS |
| TECNICO DI ISTITUTO             | ALESSANDRA MANCUSO | MNCLSN80D66C352I | LAUREA 1° LIVELLO IN SCIENZE DELLE PRODUZIONI ANIMALI | UNIVERSITA' CATTOLICA SACRO CUORE - CENRIS |
| TECNICO DI ISTITUTO             | MICHELE CAMPANELLA | CMOMHL99C04H501U | LAUREA 1° LIVELLO IN TUTELA E BENESSERE ANIMALE       | UNIVERSITA' CATTOLICA SACRO CUORE - CENRIS |
| TECNICO DI ISTITUTO             | ILARIA NICCOLO'    | NCCLRI95R50A345O | LAUREA 1° LIVELLO IN TUTELA E BENESSERE ANIMALE       | UNIVERSITA' CATTOLICA SACRO CUORE - CENRIS |

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## ELENCO DOCENTI E TUTOR – I CURRICULA SONO IN ARCHIVIO PRESSO IL SERVIZIO

## TUTOR ESTERNI

| TITOLI                 | TUTOR ESTERNI      | CODICE FISCALE   | TITOLO DI STUDIO                                 | PROVENIENZA                                                                    |
|------------------------|--------------------|------------------|--------------------------------------------------|--------------------------------------------------------------------------------|
| TECNICO DI ISTITUTO    | LAURA TATANGELO    | TTNLR75B501838T  | LAUREA IN TECNICHE DI LABORATORIO BIOMEDICO      | UNIVERSITA' CATTOLICA SACRO CUORE - CENRIS                                     |
| TECNICO DI LABORATORIO | ILARIA LOSSO       | LSSLRI76H59H501R | DIPLOMA TECNICO DI LABORATORIO CHIMICO BIOLOGICO | CONSIGLIO NAZIONALE DELLE RICERCHE – EUROPEAN MOUSE MUTANT ARCHIVIE (CNR-EMMA) |
| TECNICO DI LABORATORIO | ALESSIO BRACONCINI | BRCLSS82P25H501S | DIPLOMA DI OPERATORE PER I SERVIZI ALBERGHIERI   | CONSIGLIO NAZIONALE DELLE RICERCHE – EUROPEAN MOUSE MUTANT ARCHIVIE (CNR-EMMA) |

I CV SONO DEPOSITATI NEGLI ARCHIVI FOPECOM CARTACEI E IN FILE ARCHIVIATI