



Anita Ferri

Date of birth: 09/03/1997 | **Nationality:** Italian | **Gender:** Female |
(+39) 0592055547 | ferri.anita97@gmail.com | anita.ferri@unimore.it |
Reggio nell'Emilia, Italy

WORK EXPERIENCE

02/11/2021 – CURRENT – Modena, Italy

PHD STUDENT IN MODELS AND METHODS FOR MATERIAL AND ENVIRONMENTAL SCIENCES COURSE (UNIMORE) – DEPARTMENT OF CHEMICAL AND GEOLOGICAL SCIENCE, UNIVERSITY OF MODENA AND REGGIO EMILIA

Venomous predatory polychaetes: inter-specific interactions and biological activity of their toxic secretions

01/2020 – 07/2021 – Modena, Italy

THESIS INTERNSHIP FOR THE ACHIEVEMENT OF THE DEGREE (MASTER) IN EXPERIMENTAL AND APPLIED BIOLOGY – LABORATORY OF COMPARATIVE IMMUNOBIOLOGY AND DEVELOPMENT, UNIVERSITY OF MODENA AND REGGIO EMILIA

- Fluorescent in situ Hybridization
 - RNA extraction, purification and reverse transcription
 - Usage of NanoDrop
 - PCR and gel electrophoresis
 - RT-qPCR
 - Primer Design
 - Sequence analysis using BLAST algorithms and other ncbi tools
 - Usage of confocal microscope
 - Autonomous usage of optical microscope
 - Autonomous usage of microtome
 - Autonomous usage of EVOS m5000 microscope
 - Image processing using ImageJ and photoshop
 - Statistical analysis
 - Maintenance of aquatic invertebrates
- under the supervision of Prof Davide Malagoli

10/2018 – 10/2019 – Modena, Italy

THESIS INTERNSHIP FOR THE ACHIEVEMENT OF THE BACHELOR DEGREE IN BIOLOGICAL SCIENCE – LABORATORY OF COMPARATIVE IMMUNOBIOLOGY AND DEVELOPMENT, UNIVERSITY OF MODENA AND REGGIO EMILIA

- Fluorescent in situ Hybridization
 - Usage of confocal microscope
 - Autonomous usage of optical microscope
 - Usage of ScanR software for cell counting
 - Image processing using ImageJ and photoshop
 - Maintenance of aquatic invertebrates
- under the supervision of Prof Davide Malagoli

2013 – 2014 – Reggio Emilia, Italy

TUTOR FOR MIDDLE SCHOOL STUDENTS – ASSOCIAZIONE DI PROMOZIONE SOCIALE "AMICI DI GANCIO ORIGINALE"

- Support activities
- Tutoring in homework execution and creative activities

● EDUCATION AND TRAINING

10/2019 – CURRENT – Modena, Italy

DEGREE/MASTER IN EXPERIMENTAL AND APPLIED BIOLOGY (EXPEXCTED DATE FOR MASTER DEGREE ATTEINMENT: JULY 19, 2021) – Life Science Department, University of Modena and Reggio Emilia

Knowledge in various disciplines like bio-medicine, biomolecular analysis and methods, biodiversity and environment, hygiene, nutrition, pathology.

Solid scientific background for the study of histology, cytology, genetics, comparative immunology, statistical analysis for scientific discipline.

Skills for: morfological, molecular and microbiological analysis of biological samples, bioinformatics analysis, statistical analysis, conception and writing of a scientific communication project.

Thesis: Identification of potential hemocyte markers in the gastropod model *Pomacea canaliculata*

Master Degree | CFU | 120 | <http://www.biologiasperimentaleapplicata.unimore.it/site/home.html>

01/2021 – 02/2021 – Modena

ENGLISH LANGUAGE COURSE LEVEL B2 – CLA, University of Modena and Reggio Emilia

hour | 30 | <http://www.clamore.unimore.it/it/courses/en/CorLivB2C1>

09/2016 – 10/2019 – Modena, Italy

BACHELOR DEGREE IN BIOLOGICAL SCIENCE – Life Science Department, University of Modena and Reggio Emilia

Basic sciences (mathematic, statistic, physics, informatics, chemistry)

Biological discipline (genetic, microbiology, physiology, anatomy, cellular and molecular biology, molecular method, bioinformatic, pharmacology, immunology, ecology, botany, comparative anatomy, invertebrate biology)

Thesis: expression of immune molecular targets in *Pomacea canaliculata* hemocytes by FISH

110/110 cum laude | bachelor degree | CFU | 180 |

<https://www.dsv.unimore.it/site/home/didattica/corsi-di-laurea/articolo1003020802.html>

2011 – 2016

SCIENTIFIC HIGH SCHOOL LEAVING QUALIFICATION – Liceo Scientifico A. Moro, Reggio Emilia

Mathematic, Physic, natural and chemical sciences, English, history, philosophy, Latin

95/100 | High School qualification | <https://liceomoro.edu.it/>

● LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	C2	B2	B2	B2

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

● DIGITAL SKILLS

E-mail e social | Web Browsers | Knowledge of MS Office (Excel Word PowerPoint) | basic video and photo editing skills | Advanced knowledge of NCBI bioinformatics tools | SCOPUS | ExpASy tools | Reference Management software [Zotero, EndNote, Mendeley] | ClustalW | PAST Software | Fiji-ImageJ | Video Conferencing (Zoom Skype Google Hangout)

● PUBLICATIONS

The Immune Response of the Invasive Golden Apple Snail to a Nematode-Based Molluscicide Involves Different Organs

Montanari A; Bergamini G; Ferrari A; Ferri A; Nasi M; Simonini R; Malagoli D

<https://doi.org/10.3390/biology9110371> - 2020

<https://doi.org/10.3390/biology9110371>

Hemocyte depletion affects cephalic tentacle regeneration in the apple snail *Pomacea canaliculata*

2021

Giulia Bergamini , Sandro Sacchi , Anita Ferri , Mohamad Ahmad , Monica Montanari , Marina Cocchi , Davide Malagoli

[Abstract in Congress Italian Society of Developmental and Cell Biology (GEI)]

***Pomacea canaliculata*: un modello emergente ed interdisciplinare nella sperimentazione animale**

2021

Davide Malagoli , Giulia Bergamini , Roberta Fiorino , Anita Ferri , Agnese Ferrari, Sandro Sacchi

Abstract in Workshop - Unione Zoologica Italiana (UZI)

● HONOURS AND AWARDS

Study Awards – University of Modena and Reggio Emilia

- 2019 study award for the results obtained in 2016/2017 (University of Modena and Reggio Emilia)
- 2020 study award for the results obtained 2017/2018 (University of Modena and Reggio Emilia)
- 2021 degree award for the results obtained in 2018/2019 (University of Modena and Reggio Emilia)

Selected for

- TriesteNext (scientific event)

● **COMMUNICATION AND INTERPERSONAL SKILLS**

Personal Skill

- Team Work
- Ready to learn
- Responsible
- Organisation Skill
- Proactive

Communication skill

- Writing a scientific communication project
- Knowledge of the principles of scientific communication in various fields

● **TECHNICAL SKILLS AND COMPETENCE**

Laboratory Skill

- Fluorescent in situ Hybridization
- Usage of confocal microscope, optical microscope, EVOS m5000 microscope
- Usage of microtome
- RNA extraction, purification and reverse transcription
- Usage of NanoDrop
- PCR, gel electrophoresis, RT-qPCR
- Primer Design
- Maintenance of aquatic invertebrates

Abilities acquired in laboratories in the Department of Life Sciences (University of Modena and Reggio Emilia, Modena, Italy).

Analysis skill

- Sequence analysis using BLAST algorithms and ncbi tools
- Usage of bioinformatic tool (ClustalW, BLAST, Expasy, ecc)
- Usage of PAST and statistical analysis skill
- Image processing using ImageJ and Photoshop