



Consuelo Fabi

WORK EXPERIENCE

[May 2022 – Current]

Academic Professor

eCampus University

City: Terni

Country: Italy

Medicine, Biology and Nursing science students support for exam preparation.

Principal Subject:

Biology

Molecular Biology

Human Anatomy

Genetics

Human Immunology and Virology

Microbiology

Cytology and Histology

Human Physiology

[Jan 2022 – Current]

Research manager

Section of Legal Medicine and Forensic Science, "S. Maria" Hospital.

City: Terni

Country: Italy

Title of the project: Firearm touch DNA analysis.

Aim of the study: This study aims to investigate about the potential identification of criminal genetic profile from touch DNA studying the existing correlation between firearms biologic traces and the possible modalities or actions through they were released.

[Nov 2021 – Current]

Senior HACCP Food Safety Instructor

Confartigianato imprese Terni Association

City: Terni

Country: Italy

Staff training for food production, preparation, packaging, management, transport, administration and sale.

[1 Nov 2021 – 31 May 2023]

Ph. D in Translational Medicine and Surgery

University of Perugia, Perugia, Italy.

City: Perugia

Country: Italy

Ph. D Coordinator: Prof. Paolo Gresele, Department of Medicine and Surgery, Ph. D



Tutor: Prof. Elisabetta Costantini, Department of Medicine and Surgery; Prof. Stefano Brancorsini, Department of Medicine and Surgery, University of Perugia, Terni, Italy.

Thesis Title: Resveratrol induces antiproliferative effect and modulates miRNAs- related NLRP4 and NAIP inflammasomes in bladder cancer cells.

Aim of the study:

- Understanding the mechanisms of action of Resveratrol (RSV), a natural compound, for the future of bladder cancer treatment and therapy.
- The assessment of RSV potential synergic activity combined to Sodium Nitroprusside (SNP), known in literature for its anti-tumor potential.
- The evaluation of RSV anti-tumor effect on bladder cancer T24 cell line analyzing cell cycle, proliferation and vitality in cells treated with different concentration of RSV and SNP, singularly or in combination, through MTT, Flow cytometry, Bürker chamber and fluorescent microscopy assay.
- The assessment of the anti-inflammatory potential of RSV through a preliminary analysis of NLRP4 and NAIP inflammasomes and their related miRNAs (miR-141-3p and miR-145-5p) modulation in cells treated with different concentration of RSV and SNP, singularly or in combination.

Skills acquired:

- Quantification of mRNA and miRNAs.
- Reverse Transcription (RT) of mRNA and miRNAs in cDNA.
- Chemical and microbiological analysis: coproculture, spermioculture, urine culture, blood culture, spermiogram, antibiogram.
- Maintaining culture cells.
- Extraction of DNA, messenger RNA (mRNA) and small non-coding RNAs (miRNAs) from tissues, biological fluids and culture cells.
- Use of Real Time Polymerase Chain Reaction (RT-PCR) for amplification and quantification of mRNA and miRNAs.
- Electrophoresis.
- HPLC chromatography.
- Western Blotting.
- Gene Silencing.
- Flow Cytometry.
- Protein quantification using UV-visible spectrophotometer.
- Enzyme-linked immunosorbent assay (ELISA)

[1 Sep 2022 – 28 Jan 2023]

Ph. D work experience at the Unit of Nutrition and Cancer

Bellvitge Institute for Biomedical Research (IDIBELL)

City: Barcelona

Country: Spain

Tutor: Professor Raul Zamora Ros

Data analysis using R programming language, an open-source language used for statistical computing or graphics.

Skills Acquired:

- knowledge of the use of R statistical suite
- proficiency in the Spanish language



[Mar 2019 – Sep 2019]

Voluntary Internship

Hematology and Microbiology Laboratory, "S. Maria" Hospital

City: Terni

Country: Italy

Tutor: Dr. Alessandro Mariottini, Laboratory Manager.

Skills Acquired:

- Diagnostic test for hemochromatosis using "Standard 15 mutations kit".
- Analytical, bacteriological, bacterioscopists and hematological determinations (CBC, Chemistry-Clinical Tests, HPLC determinations)
- Hormonal assays
- Tumor markers
- Specific proteins and electrophoretic diagnostics
- Fertility
- Immunology
- Pharmacology
- Glycated Hemoglobin
- Physical Chemical Examination of 'Urine and identification of sediment elements
- Biochemical Markers of Myocardial Lesion
- Microbiological Diagnostics
- Serology and Serological Profiles
- Microscopic hematology.

[Dec 2017 – Feb 2018]

Internship Trainee

Section of Legal Medicine and Forensic Science, "S. Maria" Hospital.

City: Terni

Country: Italy

Tutor: Doctor Eugenia Carnevali, Laboratory Manager.

Skills Acquired:

- Paternity investigation (15 STRs analysis).
- Paternity investigation from tissue, histological preparations and bone.
- Identification analysis from trace or from biological sample, identification analysis from bone tissue or dental formation.
- Analysis of Y-chromosome STRs for identification purposes (haplotype).
- Analysis of Y-chromosome SNPs polymorphisms (haplogroup).
- Analysis of X-chromosome STRs polymorphisms for identification purposes (Aplotype).

[2015 – 2016]

Internship Trainee

Hematology Department, "S. Maria" Hospital.

City: Terni

Country: Italy

Tutor: Dr. Augusto Scaccetti, Laboratory Manager.

Skills Acquired:



- Hepatitis C virus (HCV) and HIV-1 virus RNA quantification by RT-PCR.
- Hepatitis B virus (HBV) DNA quantification by RT-PCR.
- HCV-RNA typing by viral genotype identification with LiPA method.
- HIV-1 drug resistance identification.
- HBV virus genotyping.

EDUCATION AND TRAINING

[1 Nov 2021 – 31 May 2023]

Ph. D doctor in Translational Medicine and Surgery

University of Perugia

Address: Perugia, Italy

[4 Jan 2022]

State Exam for Biologist- Section A

University of Tuscia

Address: Viterbo, Italy

[18 Feb 2019]

Master's Degree Grade: 110/110 with Honors in Biomolecular and Environmental sciences (LM-6)

Department of Chemistry, Biology and Biotechnology, University of Perugia

Address: Perugia, Italy

[20 Jul 2016]

Bachelor's Degree, Grade: 96/110 in Biological Science (L-13)

Department of Chemistry, Biology and Biotechnology, University of Perugia

Address: Perugia, Italy

[Jun 2013]

Linguistic High School Degree in Linguistic

State High School F. Angeloni

Address: Terni, Italy

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B1; READING B2; WRITING B2

SPOKEN PRODUCTION B1; SPOKEN INTERACTION B1

Spanish

LISTENING C1; READING C1; WRITING C1

SPOKEN PRODUCTION C1; SPOKEN INTERACTION C1

French

LISTENING A2; READING B1; WRITING A1

SPOKEN PRODUCTION A2; SPOKEN INTERACTION A2



DIGITAL SKILLS

Microsoft Word | Microsoft Office | Microsoft Excel | Microsoft PowerPoint | Outlook
| Google Drive | Google Docs | Zoom | Skype | LinkedIn | Instagram | Facebook |
Power Point | Organizational and planning skills | Good listener and communicator

COMMUNICATION AND INTERPERSONAL SKILLS

Personal abilities and skills

- Excellent ability to adapted teaching methods and instrumental materials to meet students' varying needs and interests.
- Excellent knowledge of Spanish.
- Excellent listening, reading, spoken interaction.
- Excellent ability to work individually without direct supervision acquired during my Ph. D period and abroad work experience.
- Advanced level skills in Microsoft Office Suite / HTML programming. (+10 anni)
- Excellent ability to work in team.
- Proficient in planning lessons and providing direct instruction for classrooms, small-groups and individual settings.

Other skills

- Good knowledge of French. Good listening, reading, spoken interaction, spoken production.
- Driving licence Driving licence category: B.
- Excellent interpersonal skills, demonstrated by communicating with Professors, Doctors and colleagues during my PhD period and abroad work experience.
- Knowledge of Microsoft Word / Excel / Access / PowerPoint.
- Excellent Knowledge of scientific subject such as Advanced Molecular Biology, Genetics and Human Genomics, Human Molecular Physiology, Immunology and Molecular Virology, Advanced Cell Biology, Applied Microbiology, Biochemical Techniques, Microbiology, Cytology and Histology, Human Physiology.

CONFERENCES AND SEMINARS

[22 Sep 22 – 24 Sep 22] **SIPMeT Congress 2022, Pathophysiology of Diseases**

City: Ancona

Country: Italy

Presented Abstract:

MODULATION OF NLRP4 AND NAIP INFLAMMASOMES ON T24 AND 5637 CULTURE CELLS, TREATED WITH RESVERATROL, AFTER NITROSATIVE STRESS INDUCTION.

DRIVING LICENCE

Category: B

PUBLICATIONS

[2020] [HEREDITARY HEMOCHROMATOSIS TYPE 3, ANALYSIS OF M172K MUTATIONAL SEQUENCE IN A SINGLE MALE PATIENT](#)

Reference: Biomed J Sci & Tech Res. 2020

Authors: Fabi C.*, Poli G., Materazzi M., Illiano E., Brancorsini S., Mariottini A.



IF: 1.095

Fabi C.* Corresponding author

[2022] [**EPIGENETIC MECHANISMS OF INFLAMMASOME REGULATION**](#)

Reference: Int. J. Mol. Sci. 2020, 21, 5758

Authors: Poli G., Fabi C., Bellet MM., Costantini C., Nunziangeli L., Romani L., Brancorsini S.

IF: 5.9

[2021]

[**PROLAPSE SURGERY: WHAT KIND OF ANTIBIOTIC PROPHYLAXIS IS NECESSARY?**](#)

Reference: Urol. Int. 2021, 1–6

Authors: Illiano E., Trama F., Crocetto F., Califano G., Aveta A., Motta G., Pastore AL., Brancorsini S., Fabi C., Costantini E.

IF: 2.089

[2021]

[**TRANSLABIAL ULTRASOUND: A NON-INVASIVE TECHNIQUE FOR ASSESSING “TECHNICAL ERRORS” AFTER TOT FAILURE.**](#)

Reference: Int Urogynecol J. 2021

Authors: Illiano E., Trama F., Li Marzi V., Mancini V., Carrieri G., Collà Ruvo C., Califano G., Fabi C., Brancorsini S., Costantini E.

IF: 2.894

[2021]

[**A MINI REVIEW ON EPIGENETICS MIRNAS AND THEIR INFLUENCE ON BLADDER CANCER DEVELOPMENT.**](#)

Reference: Biomed J Sci & Tech Res. 2021

Authors: Poli G.#, Fabi C. #, Bocci I., Ceccotti G., Nunziangeli L., Costantini E., Brancorsini S.

IF: 1.095

Authors share the first name



[2021]

PERYONIE'S DISEASE MAY NEGATIVELY IMPACT THE SEXUAL EXPERIENCE OF A COUPLE AND FEMALE SEXUAL FUNCTION: A SINGLE CENTER STUDY.

Reference: Transl Androl Urol. 2021, 10, 2:555-562

Authors: Illiano E., Trama F., Mancini V., Ruffo A., Romeo G., Riccardo F., Fabi C., Carrieri G., Crocetto F., Iacono F., Costantini E.

IF: 3.15

IMPACT OF AIR POLLUTION ON SEMEN QUALITY: THE SPECIFIC SITUATION OF TERNI (CENTRAL ITALY).

Reference: Biomed J Sci & Tech Res. 2021

Authors: Bocci I., Poli G., Fabi C., Bronzini F., Ceccotti G., Brancorsini S.

IF: 1.095

[2022]

COULD THE VAGINAL WALL SLING STILL HAVE A ROLE AFTER FDA'S WARNING? THE FUNCTIONAL OUTCOMES AT 20 YEARS.

Reference: Ther Adv Urol. 2022

Authors: Illiano E., Trama F., Marchesi A., Fabi C., Brancorsini S., Costantini E.

IF: 2.357

[2022]

THE ROLE OF NLRP3 INFLAMMASOME ACTIVATION AND OXIDATIVE STRESS IN VARICOCELE-MEDIATED MALE HYPOFERTILITY.

Reference: Int J Mol Sci. 2022

Authors: Poli G.#, Fabi C. #, Sugoni C., Bellet MM., Costantini C., Luca G., Brancorsini S.

IF: 6.01

Authors share the first name