


Date of birth: 23/02/1981


Nationality: Italian

Gender: Female

CONTACT

 via dei vestini 31
66100 Chieti, Italy (**Work**)

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WORK EXPERIENCE

Università "G. d'Annunzio" Chieti-Pescara Chieti, Italy

Associate Professor in Human Anatomy (BIO/16), Department of Pharmacy

01/04/2021 – Current

Università "G. d'Annunzio" Chieti-Pescara Chieti, Italy

Permanent researcher, BIO/16 Human Anatomy, Department of Pharmacy

30/12/2011 – 31/03/2021

Università "G. d'Annunzio" Chieti-Pescara Chieti, Italy

Business or Sector Human health and social work activities

Research fellowship

01/12/2009 – 30/11/2011

Title of the project: "Study of the biocompatibility and of the interactions with oral cavity microorganisms" funded by Fondazione Carichieti.

Università "G. d'Annunzio" Chieti-Pescara 01/12/2009 – 30/11/2011 Chieti, Italy Chieti, Italy

PhD in Drug Sciences

01/11/2006 – 31/10/2009

Arrangement of samples for light, transmission and scanning electron microscopy, observation, immunolabeling techniques, adhesion, suspension and monolayer cell cultures, western blotting, image analysis, enzymatic activities in vitro assays.

Teaching assistant of Human Anatomy for Pharmacy and Chemistry and Pharmaceutical Technologies Study Courses.

Research activity brief description

30/12/2011 – Current

Currently the research activity is focused on different topics:

1. Characterization and biological evaluation of snail slime extracted by Cherasco's method, in in vitro cell models;
2. Biological evaluation in different in vitro models of healthy and tumoral cells of agricultural waste products for dermatologic and cosmetic applications;
3. Analysis of the biocompatibility of innovative restorative materials for dental application (titanium implants with chemically and physically modified surfaces, titanium surfaces obtained by 3D printing, collagen membranes, hydroxyapatite granules, bicalcium phosphate calcium, cortical bone foils), functionalized or not with graphene, in the presence of mesenchymal stem cells induced to the osteogenic differentiation;
4. Biological validation of newly synthesized antitumoral molecules such as inhibitors of kinesin proteins and inhibitors of carbonic anhydrase isoforms IX and XII in different in vitro cancer models;
5. Evaluation of chondrogenic differentiation of mesenchymal stem cells organized in spheroids in the presence of different polymers originating from chitosan.

She is author of 101 full length papers in international peer-reviewed journals; each year she takes part to national and international congresses regarding cell and molecular biology, light and electron microscopy. She is the author of 37 abstract of international congresses (posters and oral speeches) and 57 abstracts of national congresses (posters and oral speeches).

She worked as congress chairman and session moderator at 15th Edition of EuroSciCon Conference on Advanced Stem Cells and Regenerative Medicine (Valencia, december 2018).

In 2022 she has been invited by the Editorial Board of the journal Biomolecules as Guest Editor of the special issue entitled "Recent Trends In Dental Materials".

In 2021 she has been invited by the Editorial Board of the journal Materials as Guest Editor of the special issue entitled "Graphene-enriched Biomaterials and Biomedical Applications".

Since 2011 she works as referee for scientific journal provided of impact factor, such as:

- Applied Sciences
- Molecules
- Materials
- BioMed Research International
- Clinical Oral Investigation
- European Journal of Pharmacology
- Head & Face Medicine
- Histology and Histopathology
- Cells

Teaching activity

30/12/2011 – Current

1. Academic year 2021- : teaching of "Blood analyses: laboratory techniques and interpretation of the results", Chemistry and Pharmaceutical Technologies course of study;
2. Academic year 2020- : teaching of "Human Anatomy" module for Applied Biology and Human Anatomy integrated course, Eco Sustainable Technologies and Environmental Toxicity course of study;
3. Academic year 2020_: teaching of "Human Anatomy" module for Histology and Human Anatomy integrated course, Biomedical Laboratory Techniques course of study;
4. Academic years 2019_: teaching of "Human Anatomy" module for Animal Biology and Human Anatomy integrated course, Chemistry and Pharmaceutical Technologies course of study.

Research projects and international fundings

- 1/1/25-31/12/25 Leader of the WP5 of the project SPYDE entitled "Development of Smart SPraYable Medical DEvices to Alleviate SkinDiseases: One idea for Multiple Purposes", PNRR, Mission 4, component 2, Investment 1.5 – funded by the European Union – NextGenerationEU (ECS 0000024, CUP B83C22002820006 - SPOKE 1 and 6).
- 1/1/19 –31/12/22 Responsible of the Italian unit of the winning project entitled "Biocompatibility and antimicrobial effect of biomaterials with GO for bone regeneration" as part of the Executive Programme for the Scientific and Technological Cooperation between the Italian Republic and the Republic of Serbia, for the years 2019-2021 (cod. RS19MO09).

Research projects and national fundings

1. Liberal contribution of euro 11000 from the company TecnoSS Dental s.r.l. for the development of the project "Evaluation of the effect of the GTO on the regeneration of bone and endothelial compartment", june 2025;
2. FAR 2020-2021- ZARA "Valutazione biologica degli effetti di composti di nuova sintesi in modelli tumorali in vitro" from -1-2020 to 31-12-2020;
3. FAR 2018-2019 - ZARA "Caratterizzazione biologica di materiali innovativi integrati con nanosistemi ibridi per la rigenerazione dei tessuti e relative applicazioni in campo biomedico" from 1-1-2018 to 31-12-2019;
4. Fondo di Finanziamento annuale delle Attività Base di Ricerca 2017 (FFABR) from 1-1-2018 to 31-12-2018;
5. FAR 2017- ZARA "Studio in vitro di nuovi inibitori delle MAO-B per il trattamento del glioma" from 1-1-2017 to 31-12-2017;
6. FAR 2015-2016 - ZARA "Studio in vitro degli eventi di adesione, proliferazione e crescita cellulare su membrane biodegradabili di collagene rivestite da ossido di grafene" from 1-1-2015 to 31-12-2016;
7. Ex 60% 2014 - ZARA "Studio dei meccanismi molecolari che regolano il differenziamento di cellule staminali mesenchimali su superfici di titanio" from 1-1-2014 to 31-12-2014

Activities of the Exploitation of the Knowledge

1. "Microbiome and digestive tract: an essential alliance for the well-being"- 31/03/2025-14/04/25 Liceo Statale Isabella Gonzaga, Chieti, class 4M;
2. "Snail Slime Extracted by Cherasco Method Promotes Skin Regeneration and Counteracts Inflammation" 23,24/03/2025 Cosmoprof, Bologna;

3. "Che ne sai del sole sulla tua pelle?" - 27,28,29/05/25 e 05/06/2025 city of San Giovanni Teatino, Montesilvano, Atri and Pineto, respectively
4. "Melanoma and prevention: a choice for our health" - 6/07/2025, San Felice del Molise

Member of the Teaching Faculty Council of Human Anatomy

01/01/2024 – Current

Since 2024 Ordinary Member of the Teaching Faculty Council of Human Anatomy

Member of the PhD Committee

01/11/2017 – Current

Since 2017 Member of the PhD Committee, Biomolecular and Pharmaceutical Sciences, University "G. d'Annunzio" Chieti-Pescara.

PhD students Supervisor

01/11/2019 – Current

1. Since 1/11/2022 supervisor of the PhD student in Biomolecular and Pharmaceutical Sciences, SSD BIO/16, XXXVIII cycle, University "G. d'Annunzio" Chieti-Pescara. Scholarship funded by the D.M. 351 (PNRR position) on the topic "Extraction, characterization and biologic evaluation of snail slime obtained with Cherasco Method in in vitro cell models";
2. Since 1/11/2019 until 31/10/2022 PhD student supervisor in Biomolecular and Pharmaceutical Sciences, SSD BIO/16, XXXV cycle, University "G. d'Annunzio" Chieti-Pescara.

Partecipation to Blended Intensive Program (BIP)

Partecipation for the academic years 2023-24 and 2024-25 ti the BIP program "Drug Discovery and Development", performed at the University of Castilla La Mancha, Spain, with a lecture entitled "Biological Samples for morphological analyses".

Partecipation to the Programme Erasmus Plus - Staff Mobility

1. On September 2022 within the "Erasmus+ 2021-2022, Staff Mobility for teaching Program", she took part in teaching at the University of Castilla La Mancha, Spain;
2. On September 2018 within the "Erasmus+ 2018-2019, Staff Mobility for teaching Program", she took part in teaching at the University of Marseille, France.

Collaboration with private companies

04/02/2025

Scientific responsible of the collaboration agreement signed between the private company Lumacheria Italiana S.r.l. and the University "G. d'Annunzio" of Choeti-Pescara to develop the project entitled "Chemical characterization and evaluation of the biological effect of snail slime, extracted by Cherasco method, in plant and animal cell models".

Academic Committees partecipation

01/01/2015 – Current

1. Since 2023 member of the University Committee C.A.M.A.F.I. as delegate for the Department of Pharmacy;
2. Since 2015 member of the Department delegates for the "University Committee for guidance, tutoring, placement and disability services" as delegate for the Department of Pharmacy, University "G. d'Annunzio" Chieti-Pescara.

HONOURS AND AWARDS

29/09/2023 Istituto Internazionale di Elicicoltura

CHIOCCIOLA D'ORO 2023

Within the 52° Convegno Internazionale di Elicicoltura Chiocciola Metodo Cherasco she has been awarded the CHIOCCIOLA D'ORO 2023- Academic Section.

CONFERENCES AND SEMINARS

Conferences and seminar attendance

1. Training course for Phenom XL ThermoFisher Scansion Electron Microscopy course, Chieti, 15 febbraio 2019;
2. III Giornata di Studio Giancarlo Bettoni "Innovazione e Ricerca in Chimica Farmaceutica" Università degli Studi "G. d'Annunzio" Chieti-Pescara, Chieti 17-12-2019;
3. "Formazione Lavoratori Rischio Medio", Università degli Studi "G. d'Annunzio Chieti-Pescara, Chieti 29-9-2017.
4. Il Giornata di Studio Giancarlo Bettoni "Terapia della neurogenerazione: nuovi scenari di ricerca", Università degli Studi "G. d'Annunzio" Chieti-Pescara, Chieti 1-12-2014.
5. ECM course "Biotecnologia e Medicina, Chieti 27-10-2009.
6. Scientific English writing course "Writing Across Science"; Università degli Studi "G. d'Annunzio", Chieti, 18_27-11-2008.
7. "Scuola di Fitochimica P. Ceccherelli 2008", Facoltà di Farmacia, Università "G. d'Annunzio" di Chieti e Pescara, 2_4-10-2008.
8. XXVIII Edition of "European School of Medicinal Chemistry" -Urbino 6_11-7- 2008.
9. XXVII Edition of "European School of Medicinal Chemistry"-Urbino 1_6-7- 2007.

EDUCATION AND TRAINING

15/06/2006 – 30/06/2006 Chieti, Italy

Qualifying examination

Final grade Passing Pharmacy qualifying examination with merit

01/10/1999 – 16/03/2006 Chieti, Italy

Degree in Pharmacy University "G. d'Annunzio" Chieti - Pescara

23/09/1994 – 19/07/1999 Termoli, Italy

General certificate of education Scientific lycée "Alfano da Termoli"

LANGUAGE SKILLS

MOTHER TONGUE(S): Italian

OTHER LANGUAGE(S): Basal knowledge of French and Spanish

English

Listening B2

Spoken production B2

Reading B2

Spoken interaction B2

Writing B2

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

SKILLS

LasX | Leica Qwin Plus | Adobe Photoshop (basic elements) | QuantStudio Design & Analysis Software, High Resolution Melt Software | Graph Pad Prism9 | Image J | Primer BLAST | SkanIt

DRIVING LICENCE

● **Driving Licence: AM**

01/08/2019 – 23/02/2030

● **Driving Licence: B**

01/08/2019 – 23/02/2030