

PERSONAL INFORMATION

Noemi Ravaglia



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Nationality Italian

EDUCATION

NOVEMBER 2024 - NOW

PhD student in Medical Biotechnology (XL cycle)

PhD student at University Gabriele d'Annunzio of Chieti-Pescara, department of Neurosciences, Imaging and Clinical Sciences; in collaboration with Institute of Science, Technology and Sustainability for Ceramics, National Research Council of Italy (ISSMC-CNR).

21 JULY 2020

Qualification to the profession of Pharmacist

At University of Bologna (BO), Italy.

23 MARCH 2020

Master's Degree in Pharmacy (LM-13) at University of Bologna

Final degree: 110 e lode/110. Discussion of an experimental thesis in Pharmacology titled: "Functional characterisation of isoform A 5-HT3A serotonin receptor".

JANUARY – JULY 2016

Erasmus+, University of Birmingham, UK

Research activity for my master experimental thesis in pharmacology on the 5-HT3A serotonin receptor subtype, conducted at College of Medical and Dental Sciences of University of Birmingham. Planning and performing experiments of:

- 2D Cell culture
- Transient transfection with Lipofectamine and cDNA
- Western Blotting
- Flow cytometry (FACS) using Beckman Coulter CyAn ADP Analyzer®
- Immunostaining and fluorescence analysis using FlexStation®
- Immunoprecipitation

JULY 2011

High school scientific diploma with final degree 100/100.

Liceo scientifico Augusto Righi, Cesena (FC).

WORK EXPERIENCE

NOVEMBER 2024 – NOW

PhD student in Medical Biotechnology

At Institute of Science, Technology and Sustainability for Ceramics. National Research Council of Italy (ISSMC-CNR), Via Granarolo 64, Faenza (RA), Italy; in collaboration with University G. d'Annunzio of Chieti-Pescara (CH).

Research activity based on the development and characterization of novel biomaterials for regenerative medicine, using cellular and molecular biology techniques.

FEBRUARY – OCTOBER 2024

Research Fellow

At Institute of Science, Technology and Sustainability for Ceramics. National Research Council of Italy (ISSMC-CNR), Faenza (RA).

Collaboration on research studies on PRIN 2022 DREAMi project: "Harnessing the potential of the THP: moving toward the development of a clinical-grade kit for a peptide-based PET imaging agent for real-time imaging and treatment of aberrant c-Met cancers for another giant step in cancer treatment".

Planning and performing experiments of:

- 2D e 3D scaffold-based cell culture
- Cell viability tests (MTT, Live/Dead, PrestoBlue assay)
- Cell fixation and staining (Actin/DAPI staining, immunostaining)
- Histological characterization, optical microscopy, inverted fluorescence microscopy
- ESEM Quanta 200, FEI microscopy

NOVEMBER 2021 – JANUARY
2024**Pharmacist**

At Farmacia comunale Villa Arco, FA.CE.SpA, Cesena (FC).

OCTOBER 2020 – OCTOBER
2021**Pharmacist**

At Farmacia del Corso Sas, Cesena (FC).

PERSONAL SKILLS

MOTHER TONGUE

Italian

OTHER LANGUAGES

English

COMPREHENSION

C2

SPEAKING

B2

WRITING

C1

IELTS certificate level C1

French

B1

B1

B1

PROGRAMMING SKILLS

Microsoft Office, graphs and statistical analysis with GraphPad Prism, basic knowledge of Photoshop, GIMP, ImageJ.

SCIENTIFIC CONFERENCES

19-20 DECEMBER 2024

Predictos Consortium Meeting, Thematic Workshop in Lisbon, Portugal

Thematic Workshop titled: "Advanced Strategies for In Vitro and In Vivo Osteosarcoma Models - Translating Research to Clinical Practice" and attendance at a networking event.

9-11 OCTOBER 2024

School of Nanomedicine in Florence (FI), IT

Attendance at the School of Nanomedicine on nanomaterials for nanomedicine, tissue engineering and nanotechnological therapeutic approaches. Poster presentation titled: "Peptide PET tracers targeting c-Met for improved cancer therapy and imaging".

8-10 JULY 2024

Attendance at SIB 2024 in Faenza (RA), IT

National conference of the Italian Society of Biomaterials, multidisciplinary congress on the topic: "Switchable 4D materials for regenerative medicine". Poster and flash oral presentation titled: "Enhancing Cancer Imaging and Therapy with Peptide PET Tracers Targeting c-Met".

24-28 JUNE 2024

Attendance at TERMIS World Congress 2024 in Seattle (WA), USA

World congress of the Tissue Engineering and Regenerative Medicine International Society, on the topic: "Coming Together to Design Better Healthcare for All". Poster presentation titled: "Peptide PET Tracers Targeting c-Met: Towards Enhanced Cancer Imaging and Therapy".

17-18 JUNE 2024

Predictos Consortium Meeting, Thematic workshop in Faenza (RA)

Predictos Consortium Meeting, Thematic workshop in Faenza (RA), at ISSMC-CNR. Thematic workshop titled: "Evaluation of cell/biomaterial Interaction" and attendance at a networking event.

SCIENTIFIC PUBLICATIONS

Rossi A., Bassi G., Cunha C., Baldisserri C., **Ravaglia N.**, Gardini D., Molinari F., Lista F., Teran F.J., Piperno A., Montesi M., Panseri S. Magnetically Induced Anisotropic Structure in an Injectable Hydrogel for Skeletal Muscle Regeneration. J Colloid Interface Sci. 2025 Jan 15;678(Pt C):334-345. doi: 10.1016/j.jcis.2024.09.121.Epub 2024 Sep 16.

29/01/2025

