

GIULIA E.P. NUCCI

Biomedical Engineer, PhD
|Translational Oncology

CONTACT

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Italian: Native English: Fluent (C2)
French: Basic (A2) Spanish: Intermediate (B1)

TECHNICAL SKILLS

- Scientific Writing:** Experienced in producing scientific reports, protocols, and presentations. Managed the submission of ethical documentation and contributed to grant proposals (AIRC, Roche), including narrative and data preparation.
- Project Management:** Coordinated interdisciplinary teams (up to 4 members) to manage workflows, milestones, and the definition and execution of preclinical experimental campaigns.
- Data Analysis:** Experienced in statistical interpretation, visualization, and handling large experimental datasets.
- Office & Management Tools:** Microsoft Office Suite (Word, Excel, PowerPoint).
- Software:** Data processing (Origin, GraphPad Prism), image analysis (ImageJ), and content design (Canva, Biorender).

RELEVANT COURSES

- PM² Agile Essentials – EU Project Management Methodology (EU Academy).
- ICH-GCP E6 (R2) - Good Clinical Practice Course
- Animal course for laboratory research (Charles River Course).

SOFT SKILLS

- Public Speaking & Communication:** Participation at international conferences with oral presentations and posters; active in public events reaching hundreds of attendees (Festival della Scienza, AIRC, Biomedical CuE).
- Team Leadership & Mentorship:** Guidance and mentorship to over 10 junior researchers (5 Postdocs, 6 PhD, 1 MSc).
- Problem Solving:** Ability to troubleshoot complex experimental and project challenges in high-pressure environments.
- Cross-Cultural Mobility:** Adaptability across diverse environments (Italy, UK, Chile).

PROFESSIONAL SUMMARY

Biomedical scientist and nanomedicine researcher with 6+ years of experience in translational oncology with deep scientific knowledge in solid tumor biology. Proven ability to transform complex scientific data into clear, accurate content for awareness campaigns and manage project dissemination deliverables. Seeking to contribute strategically to communication initiatives within a mission-driven non-profit environment.

WORK EXPERIENCE

Postdoctoral Researcher

2022 - present

Italian Institute of Technology, Genoa (Italy)

- Lead preclinical research to combine immunotherapy with magnetic hyperthermia in breast cancer models.
- Draft scientific reports and deliverables for EU/AIRC-funded projects.
- Contribute to 3 grant proposals (AIRC, Roche).
- Draft and revise manuscripts for peer-reviewed journals.
- Initiate and manage the development of a project startup.
- Participate in conferences and public events (5+ to date).

Science and Communication Editor

2020-2022

Close-Up Engineering, Biomedical CuE

- Lead the content strategy and editorial production.
- Utilized key digital tools (WordPress, SEO, Google Analytics) to manage content, maximize article reach, and monitor audience performance.

Ph.D.

2019 - 2022

Italian Institute of Technology, Genoa (Italy)

- Designed and executed translational studies in relevant preclinical models for cancer therapy to establish the mechanism of action and determine optimal dose ranges and scheduling for novel nanoparticles.
- Published 5+ peer-reviewed articles in top-tier journals.
- Analyzed data and presented findings to the multidisciplinary team.
- Supported the technology transfer processes and patenting.

Research Fellow

2018- 2019

IRCCS Giannina Gaslini Hospital, Genoa (Italy)

- Learned to integrate experimental findings with clinical perspectives.

Master thesis student

2017- 2018

University College London, London (UK)

- Conducted research in an international academic-clinical setting (GOSH).

EDUCATION

Ph.D. in Nanochemistry

2019 - 2022

Italian Institute of Technology, Genoa (Italy)

M.Sc. in Biomedical Engineering

2015 - 2018

Politecnico di Milano, Milan (Italy)

Exchange student

2016 - 2017

Pontifical Universidad de Valparaíso, Chile

B.Sc. in Biomedical Engineering

2012 - 2015

Politecnico di Milano, Milan (Italy)

SELECTED PUBLICATIONS

- Pellegrino T, Nucci G.E.P., et al. Patent ID N. PT230732.
- Nucci G.E.P., Oral presentation: "Boosting Nanoparticle Uptake with Mild Hyperthermia on Immune Cells for Cell Imaging and Cancer Therapy", Gordon Research Conference, Lucca, 2025.
- Nucci G.E.P., Vitale C., et al. "Functional Repurposing of Magnetic Nanoparticle-Assisted Hyperthermia for Immune Cell Labelling and Tracking". Adv. Funct. Mat., 2025. Accepted - in revision.
- [Complete list of publications](#).