

CURRICULUM VITAE – VALERIA BENTIVOGLIO

PERSONAL DATA

Date and place of birth: Rome, 8 August 1996

Citizenship: Italian

E-mail address: valeria.bentivoglio@uniroma1.it

EDUCATION

2024- Current: Second level advanced professional course “Science and technology of radiopharmaceuticals” student, University of Rome, “Sapienza”, Italy.

2023- Current: PhD student in “Pre-clinical experimentation and innovative diagnostic therapeutic applications in biomedical and surgical sciences”, University of Rome “Sapienza”, Italy.

2023: Training and updating course for the protection of laboratory animals in scientific research, University “La Cattolica”, Rome, Italy.

2022: Master degree in Medical Biotechnology (2 years), biomolecular curriculum, University of Rome "Sapienza", Italy.

2019: University degree in Agro-industrial Biotechnology, University of Rome “Sapienza”, Italy.

LINGUAGES

Italian speaking mother tongue. Good spoken and written English.

EXPERIENCE

December 2022- current: **Junior Fellowship** at Department of Medical-Surgical Sciences and of Translational Medicine, Nuclear Medicine Unit, Faculty of Medicine and Psychology, University of Rome "Sapienza", Italy.

June 2020- July 2022: **Internship student** at Department of Medical-Surgical Sciences and of Translational Medicine, Nuclear Medicine Unit, Faculty of Medicine and Psychology, University of Rome "Sapienza", Italy.

February 2019- July 2019: **Internship student** at Department of Biochemical Science “A. Fanelli”, Faculty of Mathematical, Physical and Natural Science, University of Rome “Sapienza”, Italy.

TECHNICAL SKILLS AND COMPETENCES

Radiochemistry (radiolabelling of several molecules with ^{99m}Tc and ^{68}Ga), biochemical analysis and quality controls (HPLC, chromatography, electrophoresis, iTLC, protein purification), cellular biology and in vitro studies. Good ability to manipulate animals (cervical dislocation, autopsy examination, intravenous and intraperitoneal injections).

PUBLICATIONS (authors in bold are equally contributing as first author or corresponding author)

1. Varani M, Campagna G, **Bentivoglio V**, Serafinelli M, Martini ML, Galli F, Signore A. Synthesis and Biodistribution of ^{99m}Tc -Labeled PLGA Nanoparticles by Microfluidic Technique. *Pharmaceutics*. 2021 Oct 22;13(11):1769. doi: 10.3390/pharmaceutics13111769. PMID: 34834184; PMCID: PMC8621482.

2. Varani, M., Galli, F., Bentivoglio, V., Signore, A. Particles and nanoparticles in nuclear medicine: Basic principles and instrumentation. *Nuclear Medicine e Molecolar Imaging*, 2022, 1, 202-211.
3. **Varani M, Bentivoglio V**, Lauri C, Ranieri D, Signore A. Methods for radiolabelling nanoparticles: SPECT use (Part 1). *Biomolecules* 2022, 12, 1522. doi: 10.3390/biom12101522 5.
4. **Bentivoglio V, Varani M**, Lauri C, Ranieri D, Signore A. Methods for radiolabelling nanoparticles: PET use (Part 2). *Biomolecules* 2022, 12, 1517. doi 10.3390/biom12101517
5. Lauri C, Varani M, Bentivoglio V, Capriotti G, Signore A. Present status and future trends in molecular imaging of lymphocytes. *Semin Nucl Med.* 2023, 53, 125-134. doi: 10.1053/j.semnuclmed.2022.08.011.
6. Signore A, Bentivoglio V, Varani M, Lauri C. Current Status of SPECT Radiopharmaceuticals for Specific Bacteria Imaging. *Semin Nucl Med.* 2023, 53, 142-151. doi: 10.1053/j.semnuclmed.2022.12.001.
7. Bentivoglio V, Nayak P, Varani M, Lauri C, Signore A. Methods for Radiolabeling Nanoparticles (Part 3): Therapeutic Use. *Biomolecules.* 2023 Aug 12;13(8):1241. doi: 10.3390/biom13081241.
8. Nayak P, Bentivoglio V, Varani M, Signore A. Three-Dimensional In Vitro Tumor Spheroid Models for Evaluation of Anticancer Therapy: Recent Updates. *Cancers (Basel).* 2023 Oct 4;15(19):4846. doi: 10.3390/cancers15194846.

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