Angelica Facoetti - Short CV

Date of birth: 19/07/1975; Nationality: Italian.
Biological Sciences Degree, 1999, University of Pavia, Italy; Master in "Microscopy analysis techniques in Biology", University of Pavia, 2001; PhD in Cellular Biology, Department of Animal Biology, University of Pavia, Italy, 2003; Diploma in "Advanced school for integrative education", University Institute for Advanced Studies of Pavia, 2003; Master of Science in Radiation Biology, University of London, University College London (UK) 2005; Postgraduate Degree in Clinical Pathology, 2007, University of Pavia, Medicine and Surgery Faculty, Dept of Experimental Medicine. After the PhD, she continued her scientific activity with 3 years of post doctoral fellowship to study the nervous tissue markers at the University of Pavia (from 2003 to 2007). She also had a scientific collaboration with the Department of Nuclear and Theoretical physics, University of Pavia ("Study of the effects of charged particles on biology structures, 2005-2006). From Jan 2008 to Dec 2009 she was full time researcher at University of Pavia, Dept of Nuclear and Theoretical Physics and at present she is Radiobiology Researcher at CNAO (National Hadrontherapy Center for Cancer Treatment) in Pavia. Since 2022 she is Head of the radiobiology Unit at CNAO Foundation. She is currently contract professor for Applied Biology at University of Milan and for Biology, Human Anatomy and Physiology at University of Pavia.
Angelica Facoetti's scientific activity, documented by 60 scientific publications (h index=22, scopus https://www.scopus.com/authid/detail.uri?authorId=7003318448; https://orcid.org/0000-0001-8215-9258) focuses on the biological effects of ionizing radiation, particularly in the context of hadron therapy with carbon ions. Her research explores the molecular and cellular responses to radiation exposure, aiming to improve the effectiveness of particle therapy for cancer treatment. She investigates the mechanisms of radioresistance and the impact of radiation on healthy tissues, contributing to the development of optimized treatment protocols. Her work also includes collaborations with international research centers (e.g. GSI, Mayo clinic), participation in multidisciplinary projects, and the promotion of scientific dissemination in the field of radiation biology.
She participated to the following Scientific Research projects/grants: Prin/Miur: "Boron uptake measurements in lung tumours using a rat model" (2004-2006); INFN: Effetti delle particelle Cariche (EPICA, 2006-2008); "pre-clinical Experimental and THeoretical studies to Improve treatment and protection by Charged particleS" (ETHICS, 2015-2018), "Nuclear process driven Enhancement of Proton Therapy UNravEled" (NEPTUNE, 2019-2021); Integrated Project for Euratom Call 2005/2006, Unit 4 Nuclear Fission and Radiation Protection: "Non-targeted effects of ionising radiation (NOTE, 2006-2010); Integrated Project for Euratom: Early and late health risks to normal/healthy tissues from the use of existing and emerging techniques for radiation therapy" (ALLEGRO, 2009-2011); INFN: Effetti "Targeted" E "NOn targeted" e qualità della Radiazione ionizzantE (TENORE, 2009-2011); TANTARA (2014). She is today project manager for the coordinator (Rossi, CNAO) of the HORIZON2020 INFRAIA-02-2020 RIA "Heavy Ion Therapy Research Integration plus" project (HITRIplus, 2021-2025) and co-PI of the MAECI-financed project "Combination of Photon and Carbon Ion Radiotherapy for Radioresistant Tumors" (CROSS, 2023-2025).
Since 2021 she is Council member of The European Radiation Research Society (ERRS).

Positions and Employment

2003-2007: Post doctoral fellowship, Dept of animal Biology
2005-2006: Post doctoral fellowship, Dept of Nuclear and Theoretical physics, University of Pavia
2006- 2011: Lecturer at the University of Milan, applied Biology, Univ of Milan, Italy

2008-2009: Full time researcher, Dept of Nuclear and Theoretical Physics, University of Pavia, Italy
2010- today: Senior researcher in radiobiology, National Hadrontherapy Center for Cancer Treatment (CNAO), Pavia, Italy
2010- 2013: Lecturer at the University of Pavia, Department of Physics in Biology, Univ Pavia, Italy
2012-today: Contract professor for Applied Biology at University of Milan, Milan
2007 -today: Contract professor for Biology, Human Anatomy and Physiology at University of Pavia
2021-today: Professor for the Radiation Biology course at the PhD course “THE HADRON ACADEMY: Risk and complexity in high tech medical innovation” IUSS, Pavia