Anna Maria Bassi CV

November 2022 to date: CONTRACT PROFESSOR - Department of Experimental Medicine, School of Medical and Pharmaceutical Sciences, University of Genoa
1985 - October 2022: ASSISTANT PROFESSOR- Scientific disciplinary sect. MED04- Pathology , School of Medical and Pharmaceutical Sciences, University of Genoa

Other positions

2024- Member of the Scientific Committee "Beyond Animal Experimentation" (OSA)
2022- Honorary Member Centro3R **(**Interuniversity Centre for the Promotion of 3rs Principles in Teaching and Research) Italia
2019- Member of the Working Group for the study and application of animal testing legislation, for the promotion of 3R principles and research methods without the use of animals. Italian Health Ministry, Rome, Italy
2017-2020: Vice Director Centro3R, Interuniversity Centre for the Promotion of 3rs Principles in Teaching and Research, Italy
2017 - Promoter of the establishment of the first Italian Interuniversity Centre dedicated to the promotion of the 3R principles (Reduction, Replacement, Refinement) in education and research (CENTRO 3R, http://www.centro3r.it/wp/).
2015-2017 Member of Working Group for the promotion of alternative methods to the use of animals for scientific purposes pursuant to Art 37 DL 4-03-2014, n26: Expert on alternative methods, in bioethics and animal experimentation 7.06.2019
2011 - Expert Committee of the National Reference Centre for "Alternative Methods, Welfare and Care of Laboratory Animals". (11A08025) Decree 20.04.2011 Ministry of Health, Registered Court of Auditors 26.05.2011)
2008-2022 : Head of the Pathophysiology and Analysis Laboratory (LARF) - ISO9001:2008, DIMES - General Pathology Section
2008-2022 : Head of 12 theoretical/practical courses on alternative methods to animal testing.

Research Topics

Development of physiologically relevant in vitro 3D models, using fluid bioreactors, for the study of mechanisms underlying human pathologies, in order to verify preventive and therapeutic strategies.
Assessment of the biological potential of chemical, natural and synthetic compounds, and cellular signalling in response to stressors.
In vitro differentiation of adult human stem cells.
Study of mechanisms associated with the anticancer potential of natural compounds and synthesis;

Patent: Scaffold for 3D in vitro culture (Number 102017000087978)

RECENT RESEARCH PROJECTS (last 5 years). FUNDING

- 2022 Co-Developer of the Ministry of Health Project - Research and development projects, through experimental technologies, of methods replacing the animal model. (GU No 254, October 2022). Development of a physiologically relevant human alveolar tissue in vitro model to evaluate specific biomarkers of the inflammatory and carcinogenic potential associated with inhalation of toxic agents.

-2021 Research Manager for Ministry of Health Project - Research and development projects, through experimental technologies, of methods replacing the animal model. (GU No 233 September 2021): “Implementation of a multi-organ millifluidic platform in vitro 3D, physiologically highly relevant, based on the use of human-derived biological material to identify key events underlying the pathogenesis of glaucoma and to screen neuroprotective therapeutic strategies”.

- 2020 Member of Research Unit of Genoa for RESEARCH PROJECTS OF RELEVANT NATIONAL INTEREST (PRIN): Sediments Eco-recycling Exploitation, Development and Sustainability [SEEDS]

- 2019 Research Grant Manager - Action Line 1 (DGR 13 June 2018 No. 422) under Axis 3 "Education and Training" - ESF 2014-2020". In Vitro Evaluation of the Neuroprotective Potential of Chemical Compounds: Setting up of a Physiologically Relevant Experimental Platform" line of action HEALTH

- 2018- Project Manager Research Unit of Genoa for RESEARCH PROJECTS OF MAJOR NATIONAL INTEREST (PRIN): FIBRE: multidisciplinary mineralogical, crystal-chemical and biological project to modify the paradigm of toxicity and carcinogenicity of mineral fibres.

-2018-2020 Project Manager OU EuroTransBio - @lgaWarning - A comprehensive service for in situ monitoring, automatic counting and risk assessment of toxigenic microalgae.

RECENT SCIENTIFIC ADVICE AND RECOGNITION:

- AnimaLAV Prize winner for Researchers and Innovators; Rome, 12.03.2024
- Italian spokesperson for in vitro toxicology at "3rs & Policy Making in the European Parliament" Brusselles, 27.01.2015
- Winner of the LUSH Prize Award 2013 in support of animal-free testing , London 13. 11.2013
- Invited speaker at recent international and national workshops
- Invited Reviewer for several International Scientific Journal
- Membership of several In vitro toxicology Societies *:* European Society For Alternatives To Animal Testing (EUSAAT); European Society of Toxicology In Vitro (ESTIV)

TEACHING ACTIVITIES (last 10 years)

2022-to date – II level Master: Protection of animals used in scientific activities. University of Messina, Italy
2010-2022: GENERAL PATHOLOGY, IMMUNOLOGY AND LABORATORY (Biological Sciences - Bachelor's Degree) ; CLINICAL PATHOLOGY (Master's Degree in Molecular and Health Biology)
2010 -2022 PHYSIOPATHOLOGY (Master' degree in Medicine and Surgery)
PhD COURSES ; Schools of specialization in Medical field;

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