

# MARIALUISA LAVITRANO CURRICULUM VITAE



Date and place of birth: Naples, 25 March 1960

Citizenship: Italian

Present position: Full Professor of Pathology and Immunology, Director BBMRI.it

Work Address: Department of Medicine and Surgery, University of Milano Bicocca,

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## Areas of expertise:

- Molecular and translational medicine
- Bioethics
- Governance & Management
- International Research & Training
- Technology transfer

## Academic positions at University of Milan-Bicocca:

- Full professor of Pathology and Immunology at the Department of Medicine
- Director of the Residency Program in Medical Oncology (2014 to present)
- Director of Molecular Medicine Unit
- Vice-Rector in charge of international research and training programmes (2006-2013).
- Deputy Director of the Department of Surgical Sciences, (2006-2012).

## Appointments at the Ministry of University and Research (MIUR) and at the Ministry of Health

- Director of the Italian Node of BBMRI-ERIC (2013 to present)
- Member of the Governing Board of the European Research Infrastructures BBMRI, ECRIN, EATRIS and INFRAFRONTIERS as Member State representative (2010-2013)
- Member of the inter-ministerial Board for the Italian pan-European Research Infrastructures - roadmap, coordinating the Italian participation in the BioMedical Sciences ESFRI roadmap.
- Member of the inter-ministerial Commission for International Research (2008-2011).
- Expert of the Ministry of Health for Internationalization and Biomedical Research (2008-2011)
- Member of MIUR and Health Ministry joint Commission for strategic planning for the development of the international strategies, (2008-2011)

## Appointments in national and international Bioethical Committees:

- Co-Director of the Common Service Ethical, Legal, Society Issues of BBMRI-ERIC <http://bbmri-eric.eu/common-services> (2015-2018)
- Member of the Ethical Committee of the University of Milano-Bicocca (2006-2020)
- Member of the WG on Ethical Issues of the Vatican Pontifical Academia for Life (2000-2004)
- Italian Representative in a Bioethics Commission of the Council of Europe (1999-2004)

## Reviewer activity and evaluation of national and international research

Prof. Lavitrano has extensive experience in the evaluation of national and international research. Prof. Lavitrano has been Chair of the Scientific Panel for the Evaluation of Research Infrastructures of the Czech Republic, reviewer of Grant Proposal of the NIH (USA), of the Ministry of Research Norway, of EU programmes and Innovative Medicine Initiatives, of the Italian Ministry of Research and of CNR.

## Executive positions/activities:

A) Training

- Director of the Executive Master in Management of Research Infrastructure <http://www.emmri.unimib.it> a unique international management development programme tailored to the specific needs of Research Infrastructures (2015 to present).
- Coordination and management of the participation of the University of Milano-Bicocca to

1 European and international programs (FP6, FP7, LLP-Erasmus, Tempus IV, EACEA, Atlantis, Marco Polo), and to joint degree courses BSc and PhD) with Partner University (2006-2013).

#### B) Research

- Director of the Molecular Medicine Unit (1991 to present).
- Scientific Director of BiOnSil srl, Spin Off of the University of Milan-Bicocca (2010-2013).
- Director of the Italian Node of BBMRI-ERIC (2013 to present) including 90 biobanks, 33 Research Institutes, 19 Universities, 45 Hospitals, 290 research groups, <https://www.bbmri.it>.

#### C) Management

- Co-chair of the Management Committee of the European Research Infrastructure BBMRI-ERIC (2014-2018) including the National Nodes of 19 Member States <https://www.bbmri-eric.eu/>
- Member of the BoD of the Italian Foundation for Cancer Research (FIRC) (since 2016) <https://www.fondazionefirc.it/>
- Member of the BoD of the Research Institute Biogem (since 2011) <https://www.biogem.it/>
- Deputy Director of the Department of Surgical Sciences, (2006-2012) of the University of Milano-Bicocca Teaching activity:

Professor Lavitrano has continuously carried out teaching activities (Pathology, Immunology, Oncology) (2001 to present) in B.Sc., MSc, PhD and Medical Specialization Courses. As vice-rector for international affairs (2006-2013) she was responsible of the international teaching and research activities and coordinated Faculty, Staff and Students training and mobility.

#### Research activity:

Prof. Lavitrano has a long-standing experience in managing R&D projects and carried out cutting edge research projects, in particular with leading roles in 8 European funded projects within H2020 programs for research infrastructures (RItrain, ID: 654156; ADOPT-BBMRI-ERIC, ID 676550; ID-EPTRI, ID: 777554; OPERAS-P, ID: 871069, CREMLINPlus, ID 871072; INSTAND-NGS4P, ID 874719; BIGPICTURE, ID 945358, RItrainPlus, ID101008503). The research activity of Prof. Lavitrano is mainly focused on molecular medicine through a translational approach which involves production and management of massive research data and their transfer in clinical practice also through numerous international collaborations, with an eye on ethical, social and legal issues and requirements, and the higher standards in data protection and integrity.

#### Technology transfer and Spin off

In 2010 Prof. Lavitrano participated in the creation of Bionsil s.r.l. a new company founded as a spin-off of Milano Bicocca University of which she has been CEO and Scientific Director. Prof. Lavitrano is coauthor of 12 international patents in the field of oncology and biotechnology applied to medicine.

#### Achievements and awards for the research activities

The research activity of Prof. Lavitrano has had a high impact in the scientific community.

Prof. Lavitrano has been selected as a testimonial of European women scientists in the European project TWIST (Towards Women in Sciences and Technology, <http://www.the-twist-project.eu>).

#### International collaborations and experiences:

Prof. Lavitrano has and has had research experience as Visiting Scientist and Visiting Professor in foreign institutions with important international collaborations (Medical School, University of Athens (2009-2013); Center of Immunobiology (1999-2011) and Laboratory of Reproductive Biology (1993-1998) Harvard Medical School, Boston; Institut für Zellbiologie, Universität Witten / Herdecke (2005-

2007); Imperial College and Royal Brompton and Harefield Heart Science Center. London, UK (1998-2007); Austin Research Institute, University of Melbourn (2000-2005); The Jolla Cancer Research Foundation, San Diego (1987).