

compilare i seguenti campi:

Prof. SERGIO BERNARDINI



*Full Professor in Clinical Biochemistry and Clinical
Molecular Biology-Head Physician of the Laboratory
MedicineUnits*

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Education

1986: Doctor of Medicine, University of Rome "La Sapienza"

1990: Postgraduate specialization in Pediatrics, University of Rome Tor Vergata

1990-1991: Internship at the Department of Endocrinology, Karolinska Sjukhuset, Stockholm

1995: PhD in Paediatrics, University of Rome Tor Vergata

1998: Postgraduate Specialization in Clinical Biochemistry, University of Camerino

Work Experience

1997-2010: Research consultant in Clinical Biochemistry and Clinical Molecular Biochemistry, Bambino Gesù Children Hospital, Rome.

1998-2001: Researcher in Clinical Biochemistry at the Department of Internal Medicine, University of Rome Tor Vergata.

2000-2018: Member of the Professors' Committee for the PhD programme in Biochemical Sciences, University of Rome Tor Vergata.

2018-present: Member of the Professors' Committee for the PhD programme in Industrial Engineering, University of Rome Tor Vergata.

2002-2012: President of undergraduate course in "Diagnostic laboratory techniques in the medical field".

2002-2006: Associate Professor in Clinical Biochemistry and Clinical Molecular Biochemistry at the Department of Internal Medicine, University of Rome Tor Vergata.

2007-present: Full Professor in Clinical Biochemistry and Clinical Molecular Biochemistry at the Department of Experimental Medicine, University of Rome Tor Vergata.

2008-2010: Visiting scientist at the Medical Research Council-Toxicology Unit, Leicester, U.K

2012-2018: Director of the Postgraduate Specialization in Clinical Pathology and Clinical Biochemistry University of Rome Tor Vergata.

2012-2016: Director of the Postgraduate Master in "Ethical regulatory and methodological aspects of clinical trials" University of Rome Tor Vergata.

2013-2016: President of Degree course in Pharmacy, University of Rome Tor Vergata.

2016-present: Director of the InterDipartimental Center for Culture and Science of Sport, University of Tor Vergata.

2016-present : Director of the Inter University Center for Social Sport, University of Tor Vergata/Roma Tre.

2016-2019 : Dean of Degree in of Sport and Exercise Sciences, University of Tor Vergata.

Current Teaching Responsibilities

Clinical Biochemistry and Clinical Molecular Biology in the following Courses at the University of Tor Vergata, Rome:

- Bachelor course in Diagnostic laboratory techniques in the medical field;
- Degree courses in Medicine, Medical Biotechnologies;
- School of Sport and Exercise Sciences;
- Postgraduate courses in Clinical Biochemistry, Gastroenterology, Neurology, Medical Genetics, Allergology and Immunology, Paediatrics, Surgery
- PhD Course in Industrial Engineering Committee Member

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Scientific Interests

From 1984 to 1991 my research focused on paediatric endocrinology with particular interest in growth hormone and insulin like growth factors and their binding proteins. From 1991 to 1998 my studies concentrated on the role of the molecules described above and on retinoids in the apoptotic pathways in oncology, in particular neuroblastoma.

Since 1998 I have focused on Glutathione transferases, a family of enzymes involved in cell detoxification and in the control of the programmed cell death. This work has concentrated on the role of those enzymes in the mechanisms responsible for drug resistance depending on changes in the redox status of the cell. As part of this research I have set up and managed a cell and molecular biology laboratory able to perform qRT-PCR and microarray for differential gene expression as well as some applications in Proteomics.

Since 2003 I have collaborated in the application of molecular biology methods and proteomics techniques in research applied to neurodegenerative diseases, oncology and pharmacogenetics.

Since 2009 I have collaborated in the application of molecular biology and biochemical methods to monitoring of sport training and performance.

Hospital Work

1994 to 1997: assistant to the Clinical Biochemistry Laboratory of Bambino Gesù Children Hospital of Rome.

2000 to 2006: chief of the Allergology and Autoimmunity sections at the Tor Vergata University Hospital of Rome.

2007-2012: Head physician of the Clinical Molecular Biology Unit- Tor Vergata University Hospital

2012-2019: Head physician of the Laboratory Medicine Unit- Tor Vergata University Hospital

2019-present: Chief of the Laboratory Medicine Functional Integratd Area (Clinical Biochemistry, Microbiology, Virology and Pathology)- Tor Vergata University Hospital.

Member of :

2018-2019: President of the Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC)

2012-2017: Secretary of the International Federation Clinical Chemistry and Laboratory Medicine (IFCC)

2018-present: Chair of the Emerging Technologies Divisione of IFCC

2016-present: member of the Editorial Board of Clinica Chimica Acta

2019-present: member of the Editorial Board of Critical review in Clinical Laboratory Sciences

International Conference Scientific Meeting Membership:

EuroMedLab 2019 Barcelona (Spain)

AACC Conference 2020 Chicago (US)

WorldLab/EuroMedLab 2023 Rome, President of the Congress

Authors of more than 300 publications in peer review International Journals.