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| Prof. SERGIO BERNARDINI../../../../../Users/bernardinis/Desktop/2014-03-20%20 | *Full Professor in Clinical Biochemistry and Clinical Molecular Biology-Head Physician of the Clinical Biochemistry and Laboratory Emergency Units* University of Tor Vergata Hospital, Viale Oxford 81, 00133 Rome-Italy-1st floor, Clinical Biochemistry Lab., office 147Tel.: +39 06 20902262Mobile +39 3804399292Mail:bernardini@med.uniroma2.itSkype: sergio.bernardini2 |
| Education1986: 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 Vergata1998: Postgraduate Specialization in Clinical Biochemistry, University of CamerinoWork Experience1997-2010: 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-present: Member of the Professors' Committee for the PhD programme in Biochemical Sciences, 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 and Surgery, University of Rome Tor Vergata.2008-2010: Visiting scientist at the Medical Research Council-Toxicology Unit, Leicester, U.K2012-present: 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:Director of the Inter Dipartimental Center for Culture and Science of Sport, University of Tor Vergata.2016-present : 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
* Degree Course in Pharmacy

Scientific InterestsFrom 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.2012-present: Head physician of the Laboratory Medicine Unit-University of Tor Vergata Hospital**Member of :** Italian Society of Clinical Biochemistry and Clinical Molecular Biology (SIBioC): President 2012-2017: Secretary of the International Federation Clinical Chemistry and Laboratory Medicine (IFCC)2018-present: Chair of the IFCC Emerging Technologies Division2016-present: member of the Editorial Board of Clinica Chimica Acta |
| **Pubblications 2010-2018**Sancesario G, Esposito Z, Nuccetelli M, BERNARDINI S, Sorge R, Martorana A, Federici G, Bernardi G, Sancesario G. Selective influence of handling temperature on detection of Ab42 in the CSF of Alzheimer’s disease: indication of a reversibile process of Ab42 aggregation?Exp. Neurology 2010;223:371-376.SpallettaG, MorrisDW, AngelucciF, RubinoIA, SpoletiniI, Bria P, MartinettiG, SiracusanoA, BonaviriG, BERNARDINI S, CaltagironeC, BossùP, DonohoeG, GillM, and CorvinAP. BDNF Val66Met polymorphism is associated with overt aggression in schizophrenia. Eur Psychiatry 2010; 25:311-313.Sayan BS, Yang AL, Conforti F, BERNARDINI S, Tucci P, Vasa-Nicotera M, Knight RA, Melino G.Induction of Tap63 by histone deacetylase inhibitors.Biochem Biophys Res Commun. 2010, 22:1748-51Gaziev J, Spitaleri L, Lucarelli G, Mozzi AF, Nguyen L, Puozzo C, Dannoso Perrone M, Sodani P, Andreani M, Gravina P, Formosa A, Federici G, BERNARDINI S, Marziali M, Isgrò A. 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PNAS 2010;107:12877-82.[D'Aguanno S](http://www.ncbi.nlm.nih.gov/pubmed?term=%22D'Aguanno%20S%22%5BAuthor%5D), [Franciotta D](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Franciotta%20D%22%5BAuthor%5D), [Lupisella S](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Lupisella%20S%22%5BAuthor%5D), [Barassi A](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Barassi%20A%22%5BAuthor%5D), [Pieragostino D](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Pieragostino%20D%22%5BAuthor%5D), [Lugaresi A](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Lugaresi%20A%22%5BAuthor%5D), [Centonze D](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Centonze%20D%22%5BAuthor%5D), [D'Eril GM](http://www.ncbi.nlm.nih.gov/pubmed?term=%22D'Eril%20GM%22%5BAuthor%5D), [BERNARDINI S](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Bernardini%20S%22%5BAuthor%5D), [Federici G](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Federici%20G%22%5BAuthor%5D), [Urbani A](http://www.ncbi.nlm.nih.gov/pubmed?term=%22Urbani%20A%22%5BAuthor%5D). 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