

Scientific Curriculum of Rosario Ammendola



Personal Informations:

- Name: Rosario AMMENDOLA
- Date of birth: May 6, 1956
- Place of birth: Napoli, Italy

Actual Position: Full Professor of Biochemistry, University of Naples Federico II, Department of Molecular Medicine and Medical Biotechnology, School of Medicine
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Education

- 1980 Degree in Biological Sciences, University of Napoli Federico II

Professional Curriculum

- 1982-1990 Fellowship CNR, Italy, University of Naples Federico II.
- 1990-2000 Researcher, University of Naples Federico II.
- 2000-2003 Associate Professor of Biochemistry, University of Palermo.
- 2003-2004 Associate Professor of Biochemistry, University of Molise.
- 2004-2005 Associate Professor of Molecular Biology, University of Molise.
- 2005-2009 Full Professor of Biochemistry, University of Molise.
- 2010- Full Professor of Biochemistry, University of Naples Federico II.

Permanence at international research institutions

- 1988-1990 Post-doctoral assistant, European Molecular Biology Laboratory, Heidelberg, Germany.

Assignments

- 2006-2007 Assistant director of the Department of Science and Technology, University of Molise.
- 2003-2009 Board Member of the Committee of the Scientific Council of the School of Continuing Education in Medicine, University of Molise.
- 2004-2009 Board Member of the Committee of the Ph.D. School, University of Molise.
- 2007-2009 Board Member of the Committee of the Erasmus Program, University of Molise.

- 2016- Board Member of the University Libraries Committee (University of Naples Federico II).

Research activity

- 1982-1984 Studies on the catabolism of tRNA in the neoplastic transformation.
- 1984-1985 Studies on biosynthesis of pseudouridine and quantitative analysis of tRNA primers of the reverse transcriptase of murine leukemia virus and Rous sarcoma virus.
- 1986-1988 Studies of the genes coding for the tRNA primer of reverse transcriptase of oncogenic viruses.
- 1988-1990 Characterization and analysis of the promoter of the gene coding for the transcription factor NF-1.
- 1990 Characterization, analysis and chromosomal mapping of the gene encoding the transcription factor TCF2 LFB3.
- 1990-1991 Identification of brain-specific mRNAs and their expression during development.
- 1991-1994 Studies on DNA binding efficiency of some transcription factors during the aging. Redox regulation of Sp1.
- 1994-1995 Identification of a p53-independent pathway for activation of 'expression of p21WAF1/CIP1.
- 1994-1995 Identification of positive and negative elements of transcription on the promoter of the human gene of apoferritin L.
- 1994-1996 Dosage of DNA of hepatitis B virus (HBV-DNA) in sera of children with hepatitis B treated with a-interferon and prednisone.
- 1994-1996 Identification of differentially expressed mRNAs following oxidative stress.
- 1996-1999 Regulation of the expression of genes involved in cell cycle regulation by reactive oxygen species and characterization of the pathways involved in the transduction of signals triggered by oxidative stress.
- 1999-2002 Role of reactive oxygen species in signal transduction in response to mitogenic stimuli.
- 2001-2003 Activation of the protein kinase Akt / PKB by the diethylmaleate.
- 2001-2003 Role of NADPH oxidase and of formyl-peptides receptors in the generation of reactive oxygen species in human fibroblasts.
- 2003-2005 Molecular mechanisms of activation of nonphagocytic NADPH oxidase.
- 2005-2010 Signal transduction mediated by formyl-peptides receptors.
- 2010-2016 Transactivation of RTKs mediated by formyl-peptides receptors.

Bibliometric data (Thomson Reuters ISI Web of Knowledge, December 2016)

- Number publications 47
- H index 17
- Total number of citations 1192
- Average citation per item 25.36

Grants as principal investigator

- 2000-2004 MURST “Free radicals as second messengers”.
- 2001-2002 MURST “Molecules interfering with signal transduction pathways regulated by intracellular redox changes”.
- 2002-2003 MURST “Formyl-peptide receptor and NADPH oxidase in human fibroblasts”.
- 2002-2003 CNR, Agenzia 2000, “Role of reactive oxygen species generated by NADPH oxidase activity on the regulation of the serine/threonine kinase Akt”.
- 2003-2005 PRIN-MIUR “Identification of activation mechanisms of a non-phagocytic NADPH oxidase by formyl-peptides”.
- 2005-2007 PRIN-MIUR “Regulation of a non-phagocytic NADPH oxidase mediated by FPRL1 receptor: role of reactive oxygen species on the regulation of gene expression”.
- 2007-2009 PRIN-MIUR “Formyl-peptide receptors activation and regulation of NADPH oxidase in non-phagocytic human tumor cells”.

Scientific societies

Italian Society of Biochemistry and Molecular Biology

January, 2017

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