



CURRICULUM VITAE



Personal Information

Name, Surname	Salvatore Maria Aloj	
Gender	Male	
Date and Place of Birth	October 18, 1938, Naples, Italy	
Nationality	Italian	
Title / Discipline	Professor Emeritus, University Federico II	
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Education & Training	<ul style="list-style-type: none"> - 1958 – 1964 MD (summa cum laude) University of Naples Medical School, Naples (Italy), - 1958 BA Liceo Classico, Naples (Italy), - 1991 – 1993 Senior Associate, U.S. National Research Council, Walter Reed Army Institute of Research, Washington DC (U.S.A.), - 1990 – 1991 Senior Visiting Scientist National Institutes of Health, Bethesda, MD (U.S.A.), - 1986 – 1988 Visiting Scientist National Institutes of Health, Bethesda, MD (U.S.A.), - 1981 – 1984 Visiting Scientist National Institutes of Health, Bethesda, MD (U.S.A.), - 1975 – 1977 Visiting Scientist National Institutes of Health, Bethesda, MD (U.S.A.), - 1969 – 1972 Visiting Associate National Institutes of Health, Bethesda, MD (U.S.A.), - Jan – Dec 1968 Visiting Fellow Dept. of Immunology, Middlesex Hospital Medical School., London (United Kingdom), - Jan – Mar 1967 Visiting Fellow Dept. of Experimental Medicine & Cancer Research, Hadassah Medical School., Jerusalem (Israel)
Summary of Academic Career	<ul style="list-style-type: none"> - 1980 – 2010 Full Professor & Chair of Molecular Pathology, University of Naples Federico II, Naples, Italy. - 1969 – 1980 Assistant Professor, Institute of General Pathology, University of Naples Federico II, Naples, Italy.
Teaching activity	<ul style="list-style-type: none"> - Academic courses in Chemistry and introductory Biochemistry; General Pathology and Pathophysiology.
Research Fields & Projects	<ul style="list-style-type: none"> - More than 100 scientific publication in the fields of thyroid Biochemistry and Physiology; Physical Chemistry of protein hormones; cell culture and studies on the structural and functional properties of protein hormones receptors; mevalonate and cholesterol metabolism and their role in the regulation of cell growth and differentiation in eukaryotes; experimental Oncology.
Membership and office held in Scientific Societies	<p>Former Member of the:</p> <ul style="list-style-type: none"> - American Society of Biochemistry and Molecular Biology, - Endocrine Society (US), - European Thyroid Association (Executive Committee member 1977-1981), - Italian Medical Society of Great Britain (Chair 1997-1999).

Editorial activities in Journals and Monographs Series	<p>Former Member of the Editorial Board of:</p> <ul style="list-style-type: none"> - Lasers in the Life Sciences, - Biochimica et Biophysica Acta, - Journal of Biological Chemistry, - Biochemical & Biophysical Research Communication.
Offices held in the University	<ul style="list-style-type: none"> - Delegate for International Affairs ("005-20010), University of Naples Federico II.
Other Activities	<ul style="list-style-type: none"> - Counsellor for Science & Technology (Scientific Attaché) Embassy of Italy in the United Kingdom (London, UK 1995-2003).
Selected Publications	<ol style="list-style-type: none"> 1) <u>5-aminolaevulinic acid/Photo-Dynamic Therapy and Gefitinib in Non Small Cell Lung Cancer cell lines: a potential strategy to improve Gefitinib therapeutic efficacy.</u> Postiglione I., Chiaviello A., Aloj SM and Palumbo G 2013 Cell Proliferation ID Cellprol-1215-13.R2 2) <u>Cells derived from normal or cancer breast tissue exhibit different growth properties when deprived of arginine.</u> Chiaviello A, Paciello I, Veneziani BM, Palumbo G, Aloj SM. Med Oncol. 2012 Dec;29(4):2543-51. doi: 10.1007/s12032-011-0130-7. Epub 2011 Dec 20.PMID: 3) <u>Inhibition of farnesylation blocks growth but not differentiation in FRTL-5 thyroid cells.</u> Bifulco M, Laezza C, Aloj SM. Biochimie. 1999 Apr;81(4):287-90. PMID: 4) <u>Regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase gene expression in FRTL-5 cells. II. Down-regulation by v-K-ras oncogene.</u> Perillo B, Tedesco I, Laezza C, Santillo M, Romano A, Aloj SM, Bifulco M. J Biol Chem. 1995 Jun 23;270(25):15237-41. 5) <u>Regulation of 3-hydroxy-3-methylglutaryl coenzyme A reductase gene expression in FRTL-5 cells. I. Identification and characterization of a cyclic AMP-responsive element in the rat reductase promoter.</u> Bifulco M, Perillo B, Saji M, Laezza C, Tedesco I, Kohn LD, Aloj SM. J Biol Chem. 1995 Jun 23;270(25):15231-6. 6) Purinergic (P2) receptor-operated calcium entry into rat thyroid cells. <i>Biochem. Biophys. Res. Commun.</i> 195,1-7 (1993). Aloj, S. M., Liguoro D., Kiang, J. G., and Smallridge, R. C. 7) Congenital hypothyroidism: etiology and pathogenesis <i>Ann. Ist. Super. Sanità</i> 30, 299-308 (1994). Gentile F. and Aloj, S. M. 8) Cell cycle progression and 3-hydroxy-3-methylglutaryl coenzyme A reductase are regulated by thyrotropin in FRTL-5 rat thyroid cells. <i>J.Biol. Chem.</i> 265, 19343-19350 (1990). Grieco, D., Beg, Z. H., Romano, A., Bifulco, M., and Aloj, S. M. 9) Thyrotropin modulates low density lipoprotein binding activity in FRTL-5 thyroid cells. <i>J. Biol. Chem.</i> 265, 19336-19342 (1990). Bifulco, M., Santillo, M., Tedesco, I., Zarrilli, R., Laezza, C., and Aloj, S. M. 10) Thyrotropin regulation of malic enzyme in FRTL-5 rat thyroid cells. <i>Mol. Endocrinol.</i>, 4, 611-622 (1990). Aloj, S. M., Grieco, D., Kohn, A.D., Nikodem, V. M., and Kohn, L. D. 11) Receptors of the thyroid: the thyrotropin receptor is only the first violinist of a symphony orchestra. In Ekholm, R., Kohn, L.D., and Wollman, S.H. (Eds): <i>Control of the Thyroid Gland</i>, Plenum Publishing Corporation, 1989, pp. 151-209, Kohn, L. D., Saii, M., Akamizu, T., Ikuyama, S., Isozaki, O., Kohn, A. D., Santisteban, P., Chan, J. Y., Bellur, S., Rotella, C. M., Alvarez, F., and Aloj, S. M. 12) High molecular weight serum thyrotropin revisited. <i>N. Engl. J. Med.</i>, 316, 1609-1610 (1987). Bifulco, M., Spitz, I. M., Hirsh, H. J., Shorer, Z., and Aloj, S. M. 13) Thyrotropin regulation of membrane lipid fluidity in the FRTL-5 thyroid cell line. <i>J. Biol. Chem.</i>, 262, 1575-1582 (1987). Beguinot, F.,

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