PERSONAL INFORMATION

Maria Alfonsina Desiderio

POSITION
STUDIES APPLIED FOR
PERSONAL STATEMENT

Full Professor of General Pathology MED04
Degree in Biological Sciences, Specialization in Biological Chemistry

WORK EXPERIENCE

From 2002 until now 2018

Full Professor of General Pathology, University of Milano- Institute of General Pathology and now Department of Biomedical Sciences for Health-Director of the Molecular Pathology Laboratory.

Research interests: Translational research regarding Hepatocyte Growth Factor (HGF) signalling, and critical molecular events triggered in the metastatic process to bone, in respect to the invasive growth of ductal breast carcinoma. Evaluation of molecular mechanisms for bone organotropism, and study of prognostic and diagnostic markers of breast cancer progression and bone metastatization. Approaches to bone metastasis therapy in xenograft models using chemical inhibitors of DNA methyltransferases and of cyclooxygenase-2 alone and combined with specific miRNAs for key molecular targets of the metastatic process, i.e. the oncogenes Met (HGF receptor) and Ets1 (transcription factor regulated by HGF).

From 1998 to 2002

Associate Professor of General Pathology, University of Milano- Institute of General Pathology.

Research interests: Role of HGF in the control of gene expression and of transcription factor activities, such as hypoxia inducible factor-1 activity, in hepatocarcinoma and melanoma, and HGF involvement in the apoptotic process of hepatocarcinoma cells.

From 1984 to1998

Researcher of General Pathology, University of Milano- Institute of General Pathology.
Research interests: Study of polyamine metabolism in tumor growth and influence on gene expression.

From 1988 to 1990

Senior Post-doctoral Fellow. Marion Merrell Dow Research Institute, Cell and Tumor Biology Laboratory. Strasbourg- France.
Research interests: Biochemical regulation of tumor growth taking into consideration nuclear histone acatylation and polyamine acetylation

From 1979 to 1982

University of Pavia-Italy, Specialization in Biological Chemistry

1978

University of Milano-Italy, Degree in Biological Sciences

EDUCATION AND TRAINING

From 1988 to 1990

Senior Post-doctoral Fellow. Marion Merrell Dow Research Institute, Cell and Tumor Biology Laboratory. Strasbourg-France.

From 1979 to 1982

University of Pavia-Italy, Specialization in Biological Chemistry

1978

University of Milano-Italy, Degree in Biological Sciences

PERSONAL SKILLS

Mother tongue(s): Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1/C2	C1/C2	C1/C2	C1/C2	C1/C2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
Common European Framework of Reference for Languages

Communication skills

▪ good communication skills gained through the experience as Professor

Teaching

- The teaching of General Pathology has been carried out in the Official Courses of the Faculty of Medicine starting from **1984.** As **Full Professor** from **2002 until 2012** she was co-responsible of the teaching, and from **2012** she is the **Leader of the Course A-L of General Pathology** in the "Polo Centrale" of the Faculty of Medicine, University of Milano.
- **PhD teaching**: from 2006 the teaching was carried out for the PhD in Molecular and Translational Medicine, and now for the PhD in Experimental Medicine.
- **Specialization teaching**: Medical Oncology.

Organisational / managerial skills

-"Commissione Paritetica" of Professors and Students
-Leader of Molecular Pathology Laboratory of the Department of Biomedical Sciences for Health
-Leader of Cell Culture Facility of the Department of Biomedical Sciences for Health
-Organization of teaching for MED04 (2010-2015)

Other skills: Play piano

Driving licence: NO

ADDITIONAL INFORMATION

Publications

PUBLICATIONS AND EDITORIAL ACTIVITY

A Professor M.A. Desiderio has published 85 papers.
Total IF 323,81; h-index (scopus) 24; total citations (scopus) 1805

B She has published 10 chapters in International scientific books, and in Texts for university students of the Faculty of Medicine. The latter:
In "Pontieri, Russo, Frati: Patologia Generale" III Ed., chapters 10, 11, 12.
In "Pontieri, Russo, Frati: Patologia Generale" IV Ed., chapters 10, 11, 12.
In "Pontieri, Russo, Frati: Patologia Generale e Fisiopatologia Generale" V Ed., chapters 10, 11, 12.
In "Pontieri: Patologia Generale e Fisiopatologia Generale" VI Ed., "Patologie da accumulo nelle cellule e nella matrice extracellulare", in press.

C She is Referee for several Scientific Journals: Hepatology, Cancer Research, Oncogene, Biochimica Biophysica Acta, Journal of Cellular Physiology, Experimental Cell Research, Oncotarget, International Journal of Molecular Sciences.

D She is Reviewer for International Grants

E She was Guest Editor for the Special Issue "Cellular and Molecular Mechanisms of Bone Metastasis" of International Journal of Molecular Sciences 2016.

FULL PAPERS

1. Maroni P, Bendinelli P, Matteucci E, Desiderio MA. The therapeutic effect of miR-125b is enhanced by the prostaglandin endoperoxide synthase 2/cyclooxygenase 2 blockade and hampers ETS1 in the context of the microenvironment of bone metastasis. Cell Death Dis 9, e472, 2018.
2. Matteucci E, Maroni P, Nicassio F, Ghini F, Bendinelli P, Desiderio MA. Microenvironment stimuli HGF and hypoxia differently affected miR-125b and Ets-1 function with opposite effects on the invasiveness of bone metastatic cells: a comparison with breast carcinoma cells. Int J Mol Sci 19, 258-278, 2018.
3. Maroni P, Puglisi R, Mattia G, Carè A, Matteucci E, Bendinelli P, Desiderio MA. In bone metastasis miR-34a-5p absence inversely correlates with Met expression, while Met oncogene is unaffected by miR-34a-5p in non-metastic and metastatic breast carcinomas. Carcinogenesis 38, 492-503, 2017.
4. Bendinelli P, Maroni P, Matteucci E, Desiderio MA. Epigenetic regulation of HGF/Met receptor axis is critical for the outgrowth of bone metastasis from breast carcinoma. Cell Death Dis 8, e2578, 2017.
5. Maroni P, Matteucci E, Bendinelli P, Desiderio MA. Functions and epigenetic regulation of Wwox in bone metastasis from breast carcinoma: comparison with primary tumors. Int J Mol Sci 18, 75-88, 2017.
6. Galliera E, Marazzi MG, Vianello E, Drago L, Luzzati A, Bendinelli P, Maroni P, Tacchini L, Desiderio MA, Corsi-Romanelli MM. Circulating sRAGE in the diagnosis of osteolytic bone metastasis. J Biol Regul Homeost Agents 30, 1203-1208, 2016.
7. Bendinelli P, Maroni P, Matteucci E, Desiderio MA. Cell and signal components of the microenvironment of bone metastasis are affected by hypoxia. Int J Mol Sci 17, 706-716, 2016.
8. Maroni P, Bendinelli P, Resnati M, Matteucci E, Milan E, Desiderio MA. The autophagic process occurs in human bone metastasis and implicates molecular mechanisms differently affected by Rab5a in the early and late stages. Int J Mol Sci 17, 443-458, 2016.
9. Matteucci E, Maroni P, Disanza A, Bendinelli P, Desiderio MA. Coordinate regulation of microenvironmental stimuli and role of methylation in bone metastasis from breast carcinoma. Biochim Biophys Acta 1863, 64-76, 2016.
10. Maroni P, Bendinelli P, Morelli D, Drago L, Luzzati A, Perrucchini G, Bonini C, Matteucci E, Desiderio MA. High SPARC expression starting from dysplasia, associated with breast carcinoma, is predictive for bone metastasis without enhancement of plasma levels. Int J Mol Sci 16, 28108-28122, 2015.
11. Bendinelli P, Maroni P, Matteucci E, Desiderio MA. HGF and TGFβ1 differently influenced *Wwox* regulatory function on Twist program for mesenchymal-epithelial transition in bone metastatic versus parental breast carcinoma cells. Mol Cancer 14, 112-129, 2015.
12. Maroni P, Matteucci E, Drago L, Banfi G, Bendinelli P, Desiderio MA. Hypoxia induced E-cadherin involving regulators of Hippo pathway due to HIF-1α stabilization/nuclear translocation in bone metastasis from breast carcinoma. Exp Cell Res 330, 287-299, 2015.
13. Maroni P, Bendinelli P, Matteucci E, Locatelli A, Nakamura T, Scita G, Desiderio MA. Osteolytic bone metastasis is hampered by impinging on the interplay among autophagy, anoikis and ossification. Cell Death Dis 5, e1005, 2014.
14. Bendinelli P, Maroni P, Matteucci E, Luzzati A, Perrucchini G, Desiderio MA. Microenvironmental stimuli affect Endothelin-1 signaling responsible for invasiveness and osteomimicry of bone metastasis from breast cancer. Biochim Biophys Acta 1843, 815-826, 2014.
15. Matteucci E, Maroni P, Bendinelli P, Locatelli A, Desiderio MA. Epigenetic control of endothelin-1 axis affects invasiveness of breast carcinoma cells with bone tropism. Exp Cell Res 319, 1865-1874, 2013.
16. Bendinelli P, Maroni P, Matteucci E, Luzzati A, Perrucchini G, Desiderio MA. Hypoxia inducible factor-1 is activated by transcriptional co-activator with PDZ-binding motif (TAZ) versus WWdomain-containing oxidoreductase (WWOX) in hypoxic microenvironment of bone metastasis from breast cancer. Eur J Cancer 49, 2608-2618, 2013.

17. Matteucci E, Maroni P, Luzzati A, Perrucchini G, Bendinelli P, Desiderio MA. Bone metastatic process of breast cancer involves methylation state affecting E-cadherin expression through TAZ and WWOX nuclear effectors. Eur J Cancer 49, 231-244, 2013.
18. Maroni P, Brini AT, Arrigoni E, de Girolamo L, Niada S, Matteucci E, Bendinelli P, Desiderio MA. Chemical and genetic blockade of HDACs enhances osteogenic differentiation of human adipose tissue-derived stem cells by oppositely affecting osteogenic and adipogenic transcription factors. Biochem Biophys Res Commun 428, 271-277, 2012.
19. Bendinelli P, Maroni P, Matteucci E, Desiderio MA. Comparative role of acetylation along c-Src/Ets1 signaling pathway in bone metastatic and invasive mammary cell phenotypes. Biochim Biophys Acta 1813, 1767-1776, 2011.
20. Maroni P, Matteucci E, Luzzati A, Perrucchini G, Bendinelli P, Desiderio MA. Nuclear co-localization and functional interaction of COX-2 and HIF-1α characterize bone metastasis of human breast carcinoma. Breast Cancer Res Treat 129, 433-450, 2011.
21. Bendinelli P, Matteucci E, Dogliotti G, Corsi MM, Banfi G, Maroni P, Desiderio MA. Molecular basis of anti-inflammatory action of platelet-rich plasma on human chondrocytes: mechanisms of NF-κB inhibition via HGF. J Cell Physiol 225, 757-766, 2010.
22. Previdi S, Maroni P, Matteucci E, Broggini M, Bendinelli P, Desiderio MA. Interaction between human-breast cancer metastasis and bone microenvironment through activated hepatocyte growth factor/Met and beta-catenin/Wnt pathways. Eur J Cancer 46, 1679-1691, 2010.
23. Bendinelli P, Matteucci E, Maroni P, Desiderio MA. NF-κB activation, dependent on acetylation/deacetylation, contributes to HIF-1 activity and migration of bone metastatic breast carcinoma cells. Mol Cancer Res 7, 1328-1341, 2009.
24. Matteucci E, Bendinelli P, Desiderio MA. Nuclear localization of active HGF receptor Met in aggressive MDA-MB231 breast carcinoma cells. Carcinogenesis 30, 937-945, 2009.
25. Ridolfi E, Matteucci E, Maroni P, Desiderio MA. Inhibitory effect of HGF on invasiveness of aggressive MDA-MB231 breast carcinoma cells, and role of HDACs. Br J Cancer 99, 1623-1634, 2008.
26. Matteucci E, Ridolfi E, Maroni P, Bendinelli P, Desiderio MA. c-Src/histone deacetylase 3 interaction is crucial for hepatocyte growth factor dependent decrease of CXCR4 expression in highly invasive breast tumor cells. Mol Cancer Res 5, 833-845, 2007.
27. Ciulla MM, Cortiana M, Silvestris I, Matteucci E, Ridolfi E, Giofrè F, Zanardelli M, Paliotti R, Cortelezzi A, Pierini A, Magrini F, Desiderio MA. Effects of simulated altitude (normobaric hypoxia) on cardiorespiratory parameters and circulating endothelial precursor in healthy subjects. Respir Res 8, e58, 2007.
28. Desiderio MA. Hepatocyte growth factor in invasive growth of carcinomas. Cell Mol Life Sci-CMLS 64, 1341-1354, 2007.
29. Maroni P, Bendinelli P, Matteucci E, Desiderio MA. HGF induces CXCR4 and CXCL12-mediated tumor invasion through Ets1 and NF-κB. Carcinogenesis 28, 267-279, 2007.
30. Matteucci E, Ridolfi E, Desiderio MA. Hepatocyte growth factor differently influences Met-E-cadherin phosphorylation and downstream signaling pathway in two models of breast cells. Cell Mol Life Sci-CMLS 63, 2016-2026, 2006.
31. Matteucci E, Locati M, Desiderio MA. Hepatocyte growth factor enhances CXCR4 expression favoring breast cancer invasiveness. Exp Cell Res 310, 176-185, 2005.
32. Tacchini L, De Ponti C, Matteucci E, Follis R, Desiderio MA. Hepatocyte growth factor-activated NF-κB regulates HIF-1 activity and ODC expression, implicated in survival, differently in different carcinoma cells. Carcinogenesis 25, 2089-2100, 2004.
33. Tacchini L, Matteucci E, De Ponti C, Desiderio MA. Hepatocyte growth factor signaling regulates transactivation of genes belonging to the plasminogen activation system via hypoxia inducible factor-1. Exp Cell Res 290, 391-401, 2003.
34. Matteucci E, Modora S, Simone M, Desiderio MA. Hepatocyte growth factor induces apoptosis through the extrinsic pathway in hepatoma cells: favouring role of hypoxia-inducible factor-1 deficiency. Oncogene 22, 4062-4073, 2003.
35. Bianchi L, Tacchini L, Matteucci E, Desiderio MA. A cluster region of AP-1 responsive elements is required for transcriptional activity of mouse ODC gene by hepatocyte growth factor. Arch Biochem Biophys 401, 115-123, 2002.
36. Desiderio MA, Tacchini L. Heme oxygenase induction in liver cells by hepatocyte growth factor and oxidative stress. In: Heme Oxygenase in Biology and Medicine. Nader G. Abraham, Ed., Kluwer Academic/Plenum Publishers, New York, p. 335-341, 2002.
37. Erba E, Bassano L, Di Liberti G, Muradore I, Chiorino G, Ubezio P, Vignati S, Codegoni A, Desiderio MA, Faircloth G, Jimeno J, D'Incalci M. Cell cycle phase perturbations and apoptosis in tumour cells induced by aplidine. Br J Cancer 86, 1510-1517, 2002.
38. Tacchini L, Dansi P, Matteucci E, Desiderio MA. Hepatocyte growth factor signalling stimulates hypoxia inducible factor-1 (HIF-1) activity in HepG2 hepatoma cells. Carcinogenesis 22, 1363-1371, 2001.
39. Matteucci E, Castoldi R, Desiderio MA. Hepatocyte growth factor induces pro-apoptotic genes in HepG2 hepatoma but not in B16-F1 melanoma cells. J Cell. Physiol 186, 387-396, 2001.
40. Tacchini L, Dansi P, Matteucci E, Bernelli-Zazzera A, Desiderio MA. Influence of proteasome and redox state on heat shock-induced activation of stress kinases, AP-1 and HSF. Biochim Biophys Acta 1538, 76-89, 2001.
41. Tacchini L, Dansi P, Matteucci E, Desiderio MA. Hepatocyte growth factor signal coupling to various transcription factors depends on triggering of Met receptor and protein kinase transducers in human hepatoma cells HepG2. Exp Cell Res 256, 272-281, 2000.
42. Desiderio MA, Dansi P, Tacchini L, Bernelli-Zazzera A. Influence of polyamines on DNA binding of heat-shock and activator protein 1 transcription factors induced by heat-shock. FEBS Lett. 455, 149-153, 1999.
43. Grassilli E, Benatti F, Dansi P, Giammarioli AM, Malorni W, Franceschi C, Desiderio MA. Inhibition of proteasome function prevents thymocyte apoptosis: involvement of ornithine decarboxylase. Biochem Biophys Res Commun 250, 293-297, 1998.
44. Desiderio MA, Pogliaghi G, Dansi P. Hepatocyte growth factor-induced expression of ornithine decarboxylase, c-met, and c-myc is differently affected by protein kinase inhibitors in human hepatoma cells HepG2. Exp Cell Res 242, 401-409, 1998.
45. Desiderio MA, Pogliaghi G, Dansi P. Regulation of spermidine/spermine N1-acetyltransferase expression by cytokines and polyamines in human hepatocarcinoma cells (HepG2). J Cell Physiol 174, 125-134, 1998.
46. Desiderio MA, Bergamaschi D, Mascellani E, De Feudis P, Erba E, D'Incalci M. Treatment with inhibitors of polyamine biosynthesis, which selectively lower intracellular spermine, does not affect the activity of alkylating agents but antagonizes the cytotoxicity of DNA topoisomerase II inhibitors. British J Cancer 75, 1028-1034, 1997.
47. Desiderio MA, Tacchini L, Anzon E, Pogliaghi G, Radice L, Bernelli-Zazzera A. Effects of polyamine imbalance on the induction of stress genes in hepatocarcinoma cells exposed to heat shock. Hepatology 24, 150-156, 1996.

48. Grassilli E, Desiderio MA, Bellesia E, Salomoni P, Benatti F, Franceschi C. Is polyamine decrease a common feature of apoptosis? Evidence from γ rays- and heat shock-induced cell death. Biochem Biophys Res Commun 216, 708-714, 1995.
49. Desiderio MA, Grassilli E, Bellesia E, Salomoni P, Franceschi C. Involvement of ornithine decarboxylase and polyamines in glucocorticoid-induced apoptosis of rat thymocytes. Cell Growth Diff 6, 505-513, 1995.
50. Desiderio MA, Bardella L. Polyamine acetylations in normal and neoplastic growth processes. Amino Acids 8, 59-68, 1995.
51. Desiderio MA, Limonta DM, Bardella L. Expression patterns of ornithine decarboxylase and c-*met* in growing Yoshida AH-130 hepatoma. Cancer Lett 87, 33-38, 1994.
52. Desiderio MA, Bardella L. Expression of spermidine/spermine N^1-acetyltransferase in growing Yoshida AH-130 hepatoma cells. Hepatology 19, 728-734, 1994.
53. Ferrero M, Desiderio MA, Martinotti A, Melani C, Bernelli-Zazzera A, Colombo MP, Cairo G. Expression of a growth arrest specific gene (gas-6) during liver regeneration: molecular mechanisms and signalling pathways. J Cell Physiol 158, 263-269, 1994.
54. Desiderio MA, Mattei S, Biondi G, Colombo MP. Cytosolic and nuclear spermidine acetyltransferases in growing NIH 3T3 fibroblasts stimulated with serum or polyamines: relationship to polyamine-biosynthetic decarboxylases and histone acetyltransferase. Biochem J 293, 475-479, 1993.
55. Desiderio MA, Weibel M, Mamont PS. Spermidine nuclear acetylation in rat hepatocytes and in logarithmically growing rat hepatoma cells: comparison with histone acetylation. Exp Cell Res 202, 501-506, 1992.
56. Desiderio MA. Opposite responses of nuclear spermidine N^8-acetyltransferase and histone acetyltransferase activities to regenerative stimuli in rat liver. Hepatology 15, 928-933, 1992.
57. Desiderio MA. Effects of hepatotoxins and partial hepatectomy on nuclear spermidine N^8-acetyltransferase activity. Life Chem Rep 10, 117-122, 1992.
58. Desiderio MA, Bernhardt A, Mamont P.S. Heterogeneity of rat liver nuclear spermidine N^8- and histone acetyltransferases. Life Chem Rep 9, 57-63, 1991.
59. Desiderio MA, Lugaro G, Galasso D, Colombo M.P. Effect of adrenergic and Ca^{2+} antagonists on increased ornithine decarboxylase expression in regenerating rat liver. Biochem Pharmacol 40, 1605-1613, 1990.
60. Sessa A, Desiderio MA, Perin A. Diamine oxidase activity in a model of multistep hepatocarcinogenesis. Cancer Lett 51, 75-78, 1990.
61. Sessa A, Desiderio MA, Perin A. Estrogenic regulation of diamine oxidase activity in rat uterus. Agents Actions 29, 162-166, 1990.
62. Desiderio MA, Zini I, Davalli P, Zoli M, Corti A, Fuxe K, Agnati LF. Polyamines, ornithine decarboxylase and diamine oxidase in the substantia nigra and striatum of the male rat after hemitransection. J Neurochem 51, 25-31, 1988.
63. Perin A, Sessa A, Desiderio MA. Estrogenic control of spermidine/spermine N^1-acetyltransferase activity in rat uterus. In: Progress in Polyamine Research. Novel Biochemical, Pharmacological and Clinical Aspects. Zappia V., Pegg A.E. Ed., Plenum Press, New York & London, p. 345-351, 1988.
64. Desiderio MA, Davalli P, Perin A. Simultaneous determination of γ-aminobutyric acid and polyamines by high-performance liquid chromatography. J Chromatogr-Biomed Appl 419, 285-290, 1987.
65. Sessa A, Desiderio MA, Perin A. Effect of acute ethanol administration on diamine oxidase activity in maternal, embryonal and fetal tissues. Agents Actions 21, 49-53, 1987.
66 Desiderio MA, Sessa A, Perin A. Polyamines and diamine oxidase activity in maternal, embryonal and fetal tissues of rat after chronic ethanol consumption. Biochem Biophys Res Commun 142, 843-848, 1987.
67. Zoli M, Zini E, Agnati LF, Fuxe K, Davalli P, Corti A, Desiderio MA, Toffano G. Further studies on the interactions between gangliosides and polyamines in the mechanically lesioned rat brain. In: Neuroplasticity: a New Therapeutic Tool in the CNS Pathology. Masland R.L., Portera-Sàncez A., Toffano G. Ed., Liviana Press-Springer Verlag, Padova, Fidia Research Series, vol. 12, p. 55-64, 1987.
68. Sessa A, Desiderio MA, Perin A. Ethanol and polyamine metabolism in adult and fetal tissues: possible implication in fetus damage. In: Advance in Alcohol & Substance Abuse. Children of Alcoholics. Bean-Bayog M., Stimmel B. Ed., The Haworth Press Inc, New York, vol. 6, p. 73-85, 1987.
69. Perin A, Sessa A, Desiderio MA. Response of tissue diamine oxidase activity to polyamine administration. Biochem J 234, 119-123, 1986.
70. Desiderio MA, Sessa A, Perin A. Involvement of $beta_2$-adrenoceptors in the regulation of diamine oxidase activity in the heart of spontaneously hypertensive rats. J Hypertension 4, S139-S140, 1986.
71. Desiderio MA, Sessa A, Perin A. Regulation of diamine oxidase expression by β_2-adrenoceptors in normal and hypertrophic rat kidney. Biochim Biophys Acta 845, 463-468, 1985.
72. Perin A, Sessa A, Desiderio MA. Diamine oxidase in regenerating and hypertrophic tissues. In: Structure and Functions of Amine Oxidases. Mondovì B. Ed., CRC Press Inc., Boca Raton, Florida, p. 179-186, 1985.
73. Sessa A, Desiderio MA, Perin A. Stimulation of hepatic and renal diamine oxidase activity after acute ethanol administration. Biochim Biophys Acta 801, 285-289, 1984.
74. Sessa A, Desiderio MA, Perin A. Effect of acute ethanol administration on diamine oxidase activity in the upper gastrointestinal tract of rat. Alcoholism: Clin Exp Res 8, 185-190, 1984.
75. Desiderio MA, Sessa A, Perin A. Aldehyde dehydrogenase activity in tumors. Med Biol Environn 11, 159-162, 1983.
76. Perin A, Sessa A, Desiderio MA. Polyamine levels and diamine oxidase activity in hypertrophic heart of spontaneously hypertensive rats and of rats treated with isoproterenol. Biochim Biophys Acta 755, 344-351, 1983.
77. Perin A, Sessa A, Desiderio MA. Induction of diamine oxidase activity in some processes of growth. In: Advances in Polyamine Research. Bachrach U., Kaye A., Chayen R. Ed., Raven Press, New York, vol. 4, p. 175-181, 1983.
78. Sessa A, Desiderio MA, Perin A. Diamine oxidase activity induction in regenerating rat liver. Biochim Biophys Acta 698, 11-14, 1982.
79. Desiderio MA, Sessa A, Perin A. Diamine oxidase activity in plasma of patients with hepatocellular carcinoma. Med Biol Environn 10, 87-89, 1982.
80. Desiderio MA, Sessa A, Perin A. Induction of diamine oxidase activity in rat kidney during compensatory hypertrophy. Biochim Biophys Acta 714, 243-249, 1982.
81. Sessa A, Desiderio MA, Baizini M, Perin A. Diamine oxidase activity in regenerating rat liver and in 4-dimethylaminoazobenzene-induced and Yoshida AH 130 hepatomas. Cancer Res 41, 1929-1934, 1981.
82. Desiderio MA, Sessa A, Perin A. Is diamine oxidase activity in biological fluids a marker for malignancy? Med Biol Environn 9, 481-485, 1981.
83. Perin A, Sessa A, Desiderio MA. Diamine oxidase activity in some processes of normal and neoplastic growth. In: Advances in Polyamine Research.

Caldarera C.M., Zappia V., Bachrach U. Ed., Raven Press, New York, vol. 3, p. 397-407, 1981.
84. Perin A, Sessa A, Desiderio MA. Ethanol and liver protein synthesis. In: Metabolic Effects of Alcohol. Avogaro P., Sirtori C.R., Tremoli E. Ed., Elsevier/North-Holland Biomedical Press, p. 281-292, 1979.
85. Perin A, Sessa A, Desiderio MA. New aspects of polyamine metabolism in normal and neoplastic growth. Med Biol Environ 7, 163-166, 1979.

Projects **Grants (last 16 years)**

A) Principal Investigator, Progetti Finalizzati-Ministero della Salute:
call 2002 (IRCCS, Istituto Europeo di Oncologia, Milano)
call 2002 (IRCCS, Istituto Fisioterapico, Roma)
call 2006 (IRCCS, Istituto Ortopedico Galeazzi, Milano)
B) Ricerca Corrente-Ministero della Salute (IRCCS, Istituto Ortopedico Galeazzi)
L4029, 2099-2010
L4022, 2010-2011
L4046, 2012-2013
L4069, 2013-2015
L4071, 2014-2016
L4077, 2015-2017
L4084, 2016-2018
L4101, 2017-2019
C) from 1990 to 2008: Principal Investigator of the **Projects from Ministero Università e Ricerca (60%, FIRST** and **PUR)**
D) PRIN-Ministero Università e Ricerca call 2007 (Unit with Professor Scita)
E) CARIPLO call 2010 (Unit with Professor Scita)
F) 2014, Principal Investigator of Piano di Sviluppo dell'Ateneo UNIMI 2014-linea B
2015, Principal Investigator of Piano di Sviluppo dell'Ateneo UNIMI 2015-linea 2

Personal information

I authorize the handling of personal information in this curriculum, according to D.Lgs n. 196/03 and following modifications and Regulations EU 679/2016 (General Regulations concerning Data Protection or GRDP) and art. 7 of University Regulations concerning protection of personal information.

I authorize, according to D.lgs 14/03/2013 n. 33 concerning transparency, in case of conferment of the position and of the fellowship, the publication of this curriculum in the web site of Università degli Studi di Milano in the section "Amministrazione trasparente", "Consulenti e collaboratori".

Date November 6, 2018

Signature