

FORMATO EUROPEO
PER IL CURRICULUM
VITAE



INFORMAZIONI PERSONALI

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Data di nascita	

MM

ESPERIENZA LAVORATIVA

Da Novembre 2015:
Professore Ordinario di Fisiologia (BIO-09) presso il Dipartimento di Scienze e Tecnologie dell' Università degli Studi del Sannio.

2002- Novembre 2015: Professore Associato di Fisiologia (BIO-09) presso la Facoltà di Scienze MM.FF.NN. (attualmente Dipartimento di Scienze e Tecnologie) dell' Università degli Studi del Sannio.

1996-2002: Ricercatore Universitario di Fisiologia (BIO-09) presso la Facoltà di Scienze MM.FF.NN. (attualmente Dipartimento di Scienze e Tecnologie) dell' Università degli Studi del Sannio.

CARICHE ACCADEMICHE

Novembre 2016- Direttore del Dipartimento di Scienze e Tecnologie, Università degli Studi del Sannio

2010-2013- Preside Vicario della Facoltà di Scienze MM FF NN, Università degli Studi del Sannio.

2004-2007- Direttore Vicario Dipartimento di Scienze Biologiche ed Ambientali (attualmente Dipartimento di Scienze e Tecnologie), Università degli Studi del Sannio.

Dicembre 2005-Aprile 2010- Presidente del Corso di Laurea in Scienze Biologiche, Facoltà di Scienze MM FF NN, Università degli Studi del Sannio.

MM MM

ISTRUZIONE

1995: Dottore di ricerca in Fisiologia, Università degli Studi di Napoli.

1989: Laurea in Scienze Biologiche, Università degli Studi di Napoli.

CAPACITÀ E COMPETENZE
PERSONALI

ACQUISITE NEL CORSO DELLA VITA
E DELLA CARRIERA MA NON
NECESSARIAMENTE RICONOSCIUTE
DA CERTIFICATI E DIPLOMI
UFFICIALI.

MADRELINGUA ITALIANA

ALTRE LINGUA

INGLESE

• CAPACITÀ DI LETTURA

ECCELLENTE

• CAPACITÀ DI SCRITTURA

BUONO

• CAPACITÀ DI ESPRESSIONE ORALE

BUONO

ULTERIORI INFORMAZIONI

Fellowships presso " Biochemistry and Molecular Biology Laboratory of the Department of Fundamental Biology and Health Sciences", University of Balearic Islands, Palma de Mallorca, Spagna e presso "Department of Internal Medicine III" Erasmus University, Medical School, Rotterdam, Olanda

Attività di revisore per alcune tra le più importanti riviste internazionali come ad esempio quelle della "Endocrine Society" (Endocrinology, Molecular Endocrinology, Journal Clinical Endocrinology and Metabolism, J of Endocrinology), riviste di Fisiologia e Biochimica (Journal of Physiology, Biochem Biophys Acta, FEBS Letters). Ha svolto e svolge attività di reviewer per progetti PRIN, FIRB e per VQR.

ATTIVITA' DI RICERCA

Le competenze scientifiche della Professoressa Moreno riguardano principalmente l'effetto degli ormoni tiroidei sul metabolismo energetico ed il loro meccanismo d'azione. Autore di numerose pubblicazioni scientifiche su riviste internazionali. Editore associato della rivista *Frontiers in Thyroid Endocrinology* e della rivista *Immunology, Endocrine & Metabolic Agents in Medicinal Chemistry*.

PUBBLICAZIONI SCIENTIFICHE

1. MORENO M, SILVESTRI E, COPPOLA M, GOLDBERG IJ, HUANG Li-Shin, SALZANO AM, D'ANGELO F, EHRENKRANZ JR, GOGLIA F (2016) 3,5,3'-Triiodo-L-Thyronine- and 3,5-Diiodo-L-Thyronine- Affected Metabolic Pathways in Liver of LDL Receptor Deficient Mice. *Front. Physiol.*, <http://dx.doi.org/10.3389/fphys.2016.00545>
2. LANNI A, MORENO M, GOGLIA F (2016) Mitochondrial actions of thyroid hormone. *Compr Physiol.* 6(4):1591-1607. doi: 10.1002/cphy.c150019.
3. MORENO M, LANNI A (2016) Editorial: Hormonal and Neuroendocrine Regulation of Energy Balance. *Front Physiol.* 6:403. doi: 10.3389/fphys.2015.00403. eCollection 2015.
4. COPPOLA M, CIOFFI F, MORENO M, GOGLIA F, SILVESTRI E (2015) 3,5-diiodo-L-thyronine: a possible pharmacological agent? *Curr Drug Deliv.* 2015 Nov 23. [Epub ahead of print]
5. LOMBARDI A, MORENO M, DE LANGE P, IOSSA S, BUSIELLO RA, GOGLIA F (2015) Regulation of skeletal muscle mitochondrial activity by thyroid hormones: focus on the "old" triiodothyronine and the "emerging" 3,5-diiodothyronine. *Front Physiol.* 6:237. doi: 10.3389/fphys.2015.00237. eCollection 2015.
6. COPPOLA M, GLINNI D, MORENO M, CIOFFI F, SILVESTRI E, GOGLIA F (2014) Thyroid hormone analogues and derivatives: Actions in fatty liver. *World J Hepatol.* 6(3):114-29. doi: 10.4254/wjh.v6.i3.114.
7. DE LANGE P, CIOFFI F, SILVESTRI E, MORENO M, GOGLIA F, LANNI A. (2013) (Healthy) ageing: focus on iodothyronines. *Int J Mol Sci.* 2013 Jul 4;14(7):13873-92. doi: 10.3390/ijms140713873.
8. SILVESTRI E, GLINNI D, CIOFFI F, MORENO M, LOMBARDI A, DE LANGE P, SENESE R, CECCARELLI M, SALZANO AM, SCALONI A, LANNI A, GOGLIA F (2012). Metabolic effects of the iodothyronine functional analogue TRC150094 on the liver and skeletal muscle of high-fat diet fed overweight rats: an integrated proteomic study. *MOLECULAR BIOSYSTEMS*, vol. 8, p. 1987-2000.
9. DEL VISCOVO A, SECONDO A, ESPOSITO A, GOGLIA F, MORENO M, CANZONIERO LM (2012). Intracellular and plasma membrane-initiated pathways involved in the $[Ca^{2+}]_i$ elevations induced by iodothyronines (T3 and T2) in pituitary GH3 cells. *AMERICAN JOURNAL OF PHYSIOLOGY: ENDOCRINOLOGY AND METABOLISM*, vol. 302, p. 1419-1430.

10. LOMBARDI A, DE MATTEIS R, MORENO M, NAPOLITANO L, BUSIELLO RA, SENESE R, DE LANGE P, LANNI A, GOGLIA F. (2012). Responses of skeletal muscle lipid metabolism in rat gastrocnemius to hypothyroidism and iodothyronine administration: a putative role for FAT/CD36. AMERICAN JOURNAL OF PHYSIOLOGY: ENDOCRINOLOGY AND METABOLISM, vol. 503, p.1222-1233.
11. SILVESTRI E, LOMBARDI A, DE LANGE P, GLINNI D, SENESE R, CIOFFI F, LANNI A, GOGLIA F, MORENO M (2011). Studies of Complex Biological Systems with Applications to Molecular Medicine: the Need to Integrate Transcriptomic and Proteomic Approaches. JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY, 2011:810242. doi: 10.1155/2011/810242
12. SENESE R, VALLI V, MORENO M, LOMBARDI A, BUSIELLO RA, CIOFFI F, SILVESTRI E, GOGLIA F, LANNI A, DE LANGE P (2011). Uncoupling protein 3 expression levels influence insulin sensitivity, fattyacid oxidation, and related signaling pathways. PFLUGERS ARCHIV, vol. 461, p. 153-164.
13. DE LANGE P, CIOFFI F, SENESE R, MORENO M, LOMBARDI A, SILVESTRI E, DE MATTEIS R, LIONETTI L, MOLLICA MP, GOGLIA F, LANNI A. (2011). Nonthyrotoxic prevention of diet-induced insulin resistance by 3,5-diiodo-L-thyronine in rats. DIABETES, vol. 60, p. 2730-2739.
14. MORENO M, SILVESTRI E, DE MATTEIS R, DE LANGE P, LOMBARDI A, GLINNI D, SENESE R, CIOFFI F, SALZANO AM, SCALONI A, LANNI A, GOGLIA F. (2011). 3,5-Diiodo-L-thyronine prevents high-fat-diet-induced insulin resistance in rat skeletal muscle through metabolic and structural adaptations. FASEB JOURNAL, vol. 25, p. 3312-3324.
15. ANTONELLI A, FALLAHI P, FERRARI SM, DI DOMENICANTONIO A, MORENO M, LANNI A, GOGLIA F (2011). 3,5-diiodo-L-thyronine increases resting metabolic rate and reduces body weight without undesirable side effects. JOURNAL OF BIOLOGICAL REGULATORS & HOMEOSTATIC AGENTS, vol. 60,p. 2730-2739.
16. SILVESTRI E, LOMBARDI A, GLINNI D, SENESE R, CIOFFI F, LANNI A, GOGLIA F, MORENO M, DE LANGE P (2011). Mammalian mitochondrial proteome and its functions: current investigative techniques and future perspectives on ageing and diabetes. JOURNAL OF INTEGRATED OMICS, ISSN: 2182-0287. Review
17. MORENO M, LOMBARDI A, SILVESTRI E, SENESE R, CIOFFI F, GOGLIA F, LANNI A, DE LANGE P (2010). PPARs: nuclear receptors controlled by, and controlling, nutrient handling through nuclear and cytosolic signaling. PPAR RESEARCH, ISSN: 1687-4757 Review
18. SILVESTRI E, CIOFFI F, GLINNI D, CECCARELLI M, LOMBARDI A, DE LANGE P, CHAMBERY A, SEVERINO V, LANNI A, GOGLIA F, MORENO M (2010). Pathways affected by 3,5-diiodo-L-thyronine in liver of high fat-fed rats: evidence from

two-dimensional electrophoresis, Blue-Native PAGE, and mass spectrometry. MOLECULAR BIOSYSTEMS, vol. 6, p. 2256-2271.

19. CIOFFI F, ZAMBAD SP, CHHIPA L, SENESE R, BUSIELLO RA, TULI D, MUNSHI S, MORENO M, LOMBARDI A, GUPTA RC, CHAUTHAIWALE V, DUTT C, DE LANGE P, SILVESTRI E, LANNI A, GOGLIA F (2010). TRC150094, a novel functional analogue of iodothyronines, reduces adiposity by increasing energy expenditure and fatty acid oxidation in rats receiving a high-fat diet. FASEB JOURNAL, vol. 24, p. 3451-3461.
20. LOMBARDI A, BUSIELLO R.A, NAPOLITANO L, CIOFFI F, MORENO M, DE LANGE P, SILVESTRI E, LANNI A, GOGLIA F (2010). Uncoupling protein-3 (UCP3) translocates lipid hydroperoxide and mediates lipid hydroperoxide-dependent mitochondrial uncoupling. THE JOURNAL OF BIOLOGICAL CHEMISTRY, vol.285, p. 16599-16605.
21. CIAVARDELLI D, SILVESTRI E, VISCOVO A, BOMBA M, GREGORIO DD, MORENO M, DI ILIO C, GOGLIA F, CANZONIERO LM, SENSI SL. (2010). Alterations of brain and cerebellar proteomes linked to A β and tau pathology in a female triple-transgenic murine model of Alzheimer's disease. CELL DEATH & DISEASE, vol. 1:e90.
22. MOLLICA MP, LIONETTI L, MORENO M, LOMBARDI A, DE LANGE P, LANNI A, BARLETTA A, GOGLIA F (2009) 3,5-diiodo-L-thyronine, by modulating mitochondrial functions, reverses hepatic fat accumulation in rats fed a high-fat diet. JOURNAL OF HEPATOLOGY.. 51: 363-370
23. LOMBARDI A, DE LANGE P, SILVESTRI E, BUSIELLO RA, LANNI A, GOGLIA F, MORENO M (2009) 3,5-diiodo-L-thyronine rapidly enhances mitochondrial fatty acid oxidation rate and thermogenesis in rat skeletal muscle: AMP-activated protein kinase involvement. AMERICAN JOURNAL OF PHYSIOLOGY: ENDOCRINOLOGY AND METABOLISM. 296:E497-E502
24. TALEUX N, GUIGAS B, DUBOCHAUD H, MORENO M, WEITEL J, HUE L, GOGLIA F, FAVIER R, LEVERVE XM (2009) High expression of thyroid hormone receptors and mitochondrial glycerol-3-phosphate dehydrogenase in the liver is linked to enhanced fatty acid oxidation in Lou/C rat strain resistant to obesity. THE JOURNAL OF BIOLOGICAL CHEMISTRY. 284: 4308-431
25. LOMBARDI A, SILVESTRI E, MAINIERI D, LANNI A, GOGLIA F, DE LANGE P, MORENO M (2009) Defining the transcriptomic profile of rat ageing skeletal muscle using cDNA array, 2D- and Blue Native-PAGE. JOURNAL OF PROTEOMICS. 72:708-721

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28. LOMBARDI A, GRASSO P, MORENO M, DE LANGE P, SILVESTRI E, LANNI A, GOGLIA F (2008) Interrelated influence of superoxides and free fatty acids over mitochondrial uncoupling in skeletal muscle. *BIOCHIMICA ET BIOPHYSICA ACTA*. 1777: 826-833
29. SILVESTRI E, LOMBARDI A, DE LANGE P, SCHIAVO L, LANNI A, GOGLIA F, VISSER T.J, MORENO M (2008) Age-related changes in renal and hepatic cellular mechanisms associated with variations in rat serum thyroid hormone levels. *AMERICAN JOURNAL OF PHYSIOLOGY*. 294: E1160-E1168
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31. DE LANGE P, LOMBARDI A, SILVESTRI E, GOGLIA F, LANNI A, MORENO M (2008) Peroxisome proliferator-activated receptor delta: a conserved director of lipid homeostasis through regulation of the oxidative capacity of muscle. *PPAR RESEARCH*. 2008:172676-172682 Review
32. SILVESTRI E, LOMBARDI A, DE LANGE P, LANNI A, GOGLIA F, MORENO M (2008) Metabolic action of thyroid hormones: insights from functional and proteomic studies. *CURRENT PROTEOMICS*. 5:45-61 Review
33. CALAMITA G, MORENO M, FERRI D, SILVESTRI E, ROBERTI P, SCHIAVO L, GENA P, SVELTO M, GOGLIA F (2007) Triiodothyronine modulates the expression of aquaporin 8 in rat liver mitochondria. *JOURNAL OF ENDOCRINOLOGY*. 192: 111-120
34. SILVESTRI E, BURRONE L, DE LANGE P, LOMBARDI A, FARINA P, CHAMBERY A, PARENTE A, LANNI A, GOGLIA F, MORENO M (2007) Thyroid-state influence on protein-expression profile of rat skeletal muscle. *JOURNAL OF PROTEOME RESEARCH*. 6: 3187-3196
35. DE LANGE P, FEOLA A, RAGNI M, SENESE R, MORENO M, LOMBARDI A, SILVESTRI E, AMAT R, VILLARROYA F, GOGLIA F, LANNI A (2007) Differential

3,5,3'-triiodothyronine-mediated regulation of uncoupling protein 3 transcription: role of Fatty acids. *ENDOCRINOLOGY*. 148: 4064-4072

36. DE LANGE P, MORENO M, SILVESTRI E, LOMBARDI A, GOGLIA F, LANNI A (2007) Fuel economy in food-deprived skeletal muscle: signaling pathways and regulatory mechanisms. *FASEB JOURNAL*. 21:3431-3441 Review
37. DE LANGE P, FARINA P, MORENO M, RAGNI M, LOMBARDI A, SILVESTRI E, BURRONE L, LANNI A, GOGLIA F (2007) Sequential changes in the signal transduction responses of skeletal muscle following food deprivation. *FASEB JOURNAL*. 21(2):629.
38. LOMBARDI A, LANNI A, DE LANGE P, SILVESTRI E, GRASSO P, SENESE R, GOGLIA F, MORENO M (2007) Acute administration of 3,5-diiido-L-thyronine to hypothyroid rats affects bioenergetic parameters in rat skeletal muscle mitochondria. *FEBS LETTERS*. 581: 5911-5916
39. SILVESTRI E, DE LANGE P, MORENO M, LOMBARDI A, RAGNI M, FEOLA A, SCHIAVO L, GOGLIA F, LANNI A (2006) Fenofibrate activates the biochemical pathways and the de novo expression of genes related to lipid handling and uncoupling protein-3 functions in liver of normal rats. *BIOCHIMICA ET BIOPHYSICA ACTA*. 1757: 486-495
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41. LOMBARDI A, LANNI A, SILVESTRI E, DE LANGE P, GOGLIA F, MORENO M (2006) 3,5-diiiodothyronine: biological actions and therapeutic perspectives. In: *CURRENT MEDICINAL CHEMISTRY, IMMUNOLOGY, ENDOCRINE & METABOLIC AGENTS*. 6: 255-266, Bentham Science Publishers
42. SILVESTRI E, MORENO M, LOMBARDI A, RAGNI M, DE LANGE P, ALEXSON SEH, LANNI A, GOGLIA F (2005) Thyroid-hormone effects on putative biochemical pathways involved in UCP3 activation in rat skeletal muscle mitochondria. *FEBS LETTERS*. 579:1639-1645
43. LANNI A, MORENO M, LOMBARDI A, DE LANGE P, SILVESTRI E, RAGNI M, FARINA P, BACCARI CHIEFFI G, FALLAHI P, ANTONELLI A, GOGLIA F (2005) 3,5-diiido-L-thyronine powerfully reduces adiposity in rats by increasing the burning of fats. *FASEB JOURNAL*. 19(11):1552-4
44. DE LANGE P, RAGNI M, SILVESTRI E, MORENO M, SCHIAVO L, LOMBARDI A, FARINA P, FEOLA A, GOGLIA F, LANNI A (2004) Combined cDNA array/RT-PCR

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analysis of gene expression profile in rat gastrocnemius muscle: relation to its adaptive function in energy metabolism during fasting. *FASEB JOURNAL* 18: 350-352

45. MORENO M, SILVESTRI E, LOMBARDI A, VISSER TJ, GOGLIA F, LANNI A (2003) Identification by photoaffinity labeling of 3,5-diiodo-L-thyronine-binding proteins in rat liver cytosol. *ENDOCRINOLOGY* 144: 2297-2303
46. MORENO M, LOMBARDI A, DE LANGE P, SILVESTRI E, RAGNI M, LANNI A, GOGLIA F (2003) Fasting, lipid metabolism and triiodothyronine in rat gastrocnemius muscle: interrelated roles of uncoupling protein 3, mitochondrial thioesterase and coenzyme Q. *FASEB JOURNAL* 17: 1112-1114.
47. LANNI A, MORENO M, LOMBARDI A, GOGLIA F (2003) Thyroid hormones and uncoupling proteins. *FEBS LETTERS* 543: 5-10
48. HORVATH TL, DIANO S, MIYAMOTO S, BARRYS, GATTI S, ALBERATI D, LIVAK F, LOMBARDI A, MORENO M, GOGLIA F, MOR G, HAMILTON J, KACHINSKAS D, HORWITZ B, WARDEN CH (2003) Uncoupling proteins 2 and 3 influence obesity and inflammation in transgenic mice. *INTERNATIONAL JOURNAL OF OBESITY* 27: 433-442
49. LOMBARDI A, SILVESTRI E, MORENO M, DE LANGE P, FARINA P, GOGLIA F, LANNI A (2002) Skeletal muscle mitochondrial free-fatty acid content and membrane potential sensitivity in different thyroid states: involvement of uncoupling protein 3 and adenine nucleotide translocase. *FEBS LETTERS* 532: 12-16
50. MORENO M, LOMBARDI A, BENEDEUCE L, SILVESTRI E, PINNA G, GOGLIA F, LANNI A (2002) Are the effects of triiodothyronine (T3) on resting metabolism in euthyroid rats entirely due to T3 itself? *ENDOCRINOLOGY* 143: 504-509
51. DE LANGE P, LANNI A, BENEDEUCE L, MORENO M, LOMBARDI A, SILVESTRI E, GOGLIA F (2001) Uncoupling protein-3 is a molecular determinant for the regulation of resting metabolic rate by thyroid hormone. *ENDOCRINOLOGY* 142: 3414-3420
52. MANCINI FP, LANNI A, SABATINO L, MORENO M, SABATINO L, GIANNINO D, CONTALDO F, COLANTUONI V, GOGLIA F (2001) Fenofibrate prevents and reduces body weight gain and adiposity in diet-induced obese rats. *FEBS LETTERS* 491: 154-158
53. LANNI A, MORENO M, LOMBARDI A, DE LANGE P, GOGLIA F (2001). Control of energy metabolism by iodothyronines. *JOURNAL OF ENDOCRINOLOGICAL INVESTIGATION* 24: 897-913

54. LANNI A, SILVESTRI E, MORENO M, BENEDEUCE L, DE LANGE P, LOMBARDI A, GOGLIA F (2001) Mitochondrial function and thyroid hormones. In: PANDALAU E. Recent Research Developments in Endocrinology. Transworld Research Network. vol. 2, p. 397-418, TRIVANDRUM:Pandalau
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57. GOGLIA F, MORENO M, LANNI A (1999) Action of thyroid hormones at the cellular level: the mitochondrial target. FEBS LETTERS 452: 115-120. Review
58. LOMBARDI A, LANNI A, MORENO M, BRAND MD, GOGLIA F (1998) The effect of 3,5-diiodo-L-thyronine on mitochondrial energetic transduction apparatus. BIOCHEMICAL JOURNAL 330: 521-526
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