FORMATO EUROPEO PER IL CURRICULUM VITAE

INFORMAZIONI PERSONALI

Nome	**MORENO MARIA**
Indirizzo	
Telefono	
Fax	
E-mail	**moreno@unisannio.it**
Nazionalità	**ITALIANA**
Data di nascita	

ESPERIENZA LAVORATIVA

Da Novembre 2015: Professore Ordinario di Fisiologia 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 2016-2019 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.

ISTRUZIONE	1995: Dottore di ricerca in Fisiologia, Università degli Studi di Napoli. 1989: Laurea in Scienze Biologiche, Università degli Studi di Napoli. 1995: Dottore di Ricerca in Fisiologia
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*	BUONO
• *CAPACITÀ DI SCRITTURA*	
• *CAPACITÀ DI ESPRESSIONE ORALE*	ECCELLENTE BUONO

.

ULTERIORI INFORMAZIONI

Fellowships presso " Biochemistry and Molecular Biology Laboratory of the Department of Fundamental Biology and Health Sciences", University of Baleary 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.

Premi e Brevetti

2-4 luglio 2006 - The Italian Proteomic Association, 1st ANNUAL NATIONAL CONGRESS "Proteomics: deciphering the phenotype", Pisa, Italy. 1°Classificato per il Premio Beckam Coulter Aword in Proteomics (BeCap Beckman) con il lavoro: 3,5,3'-Triiodo-L- Thyronine And Rat Liver Mitochondria Phenotype: A Proteomic Approach. P. Grasso, M. Moreno, A. Lombardi, P. de Lange, L. Burrone, A. Lanni, F. Goglia, E. Silvestri.

2007-Inventore di un brevetto dal titolo "COMPOSIZIONI COMPRENDENTI LA 3,5-DIIODOTIRONINA ED USO FARMACEUTICO DI ESSE" N.0001343549, 2007. CLASSIFICA A61K3100.

Attribuzione di incarichi di ricerca ufficiale presso atenei e istituti di ricerca, esteri e internazionali, di alta qualificazione

Ricerca: NETHERLANDS ORGANIZATION FOR SCIENTIFIC RESEARCH (NWO) dal Febbraio 1997 ad Agosto 1997. Erasmus University, Rotterdam, Olanda.

Appartenenza a Società Scientifiche

Membro della Società Italiana di Fisiologia (SIF)

Membro onorario della European Thyroid Association (ETA).

ATTIVITÀ DIDATTICA

Dall'anno accademico 1999-2000 a 2009-2010: insegnamento di Endocrinologia Generale

Dall' anno accademico 2001-2002 a 2009-2010: insegnamento di Fisiologia Cellulare

Dall'anno accademico 2003-2004 a 2010-2011: insegnamento di Fisiologia della Nutrizione

Dall' anno accademico 2005-2006 a 2012-2013: insegnamento di Fisiopatologia Endocrina

Anno accademico 2007-2008: insegnamento di Fisiologia Molecolare

Anno Accademico 2010-2011 a tutt'oggi: insegnamento di Fisiologia Generale e Fisiologia Molecolare

PUBBLICAZIONI

1. LOMBARDI A, BUSIELLO RA, DE MATTEIS R, LIONETTI L, SAVARESE S, MORENO M, GENTILE A, SILVESTRI E, SENESE R, DE LANGE P, CIOFFI F, LANNI A, GOGLIA F. (2019) Absence of Uncoupling Protein-3 at Thermoneutrality Impacts Lipid Handling and Energy Homeostasis in Mice. CELLS 8(8). pii: E916. doi: 10.3390/cells8080916.

2. CIOFFI F, SENESE R, PETITO G, LASALA P, DE LANGE P, SILVESTRI E, LOMBARDI A, MORENO M, GOGLIA F, LANNI A. (2019) Both 3,3',5-triiodothyronine and 3,5-diodo-L-thyronine Are Able to Repair Mitochondrial DNA Damage but by Different Mechanisms. FRONT ENDOCRINOL (Lausanne).;10:216. doi: 10.3389/fendo.2019.00216. eCollection 2019.

3. SENESE R, CIOFFI F, DE MATTEIS R, PETITO G, DE LANGE P, SILVESTRI E, LOMBARDI A, MORENO M, GOGLIA F, LANNI A. (2019) 3,5 Diiodo-l-Thyronine (T_2) Promotes the Browning of White Adipose Tissue in High-Fat Diet-Induced Overweight Male Rats Housed at Thermoneutrality. CELLS. 8(3). pii: E256. doi: 10.3390/cells8030256.

4. SILVESTRI E, SENESE R, CIOFFI F, DE MATTEIS R, LATTANZI D, LOMBARDI A, GIACCO A, SALZANO AM, SCALONI A, CECCARELLI M, MORENO M, GOGLIA F, LANNI A, DE LANGE P. (2019) 3,5-Diiodo-L-Thyronine Exerts Metabolically Favorable Effects on Visceral Adipose Tissue of Rats Receiving a High-Fat Diet. NUTRIENTS. pii: E278. doi: 10.3390/nu11020278.

5. GIACCO A, DELLI PAOLI G, SENESE R, CIOFFI F, SILVESTRI E, MORENO M, RUOPPOLO M, CATERINO M, COSTANZO M, LOMBARDI A, GOGLIA F, LANNI A, DE LANGE P. (2019) The saturation degree of fatty acids and their derived acylcarnitines determines the direct effect of metabolically active thyroid hormones on insulin sensitivity in skeletal muscle cells. FASEB J. 33(2):1811-1823. doi: 10.1096/fj.201800724R.

6. SENESE R, DE LANGE P, PETITO G, MORENO M, GOGLIA F, LANNI A. (2018) 3,5-Diiodothyronine: A Novel Thyroid Hormone Metabolite and Potent Modulator of Energy Metabolism. FRONT ENDOCRINOL (Lausanne). 9:427. doi: 10.3389/fendo.2018.00427. eCollection 2018. Review.

7. SILVESTRI E, LOMBARDI A, COPPOLA M, GENTILE A, CIOFFI F, SENESE R, GOGLIA F, LANNI A, MORENO M, DE LANGE P. (2018) Differential Effects of 3,5-Diiodo-L-Thyronine and 3,5,3'-Triiodo-L-Thyronine On Mitochondrial Respiratory Pathways in Liver from Hypothyroid Rats. CELL PHYSIOL BIOCHEM. 2018;47(6):2471-2483. doi: 10.1159/000491620.

8. SILVESTRI E, CIOFFI F, DE MATTEIS R, SENESE R, DE LANGE P, COPPOLA M, SALZANO AM, SCALONI A, CECCARELLI M, GOGLIA F, LANNI A, MORENO M, LOMBARDI A. (2018) 3,5-Diiodo-L-Thyronine Affects Structural and Metabolic Features of Skeletal Muscle Mitochondria in High-Fat-Diet Fed Rats Producing a Co-adaptation to the Glycolytic Fiber Phenotype. FRONT PHYSIOL.9:194. doi: 10.3389/fphys.2018.00194. eCollection 2018.

9. SENESE R, CIOFFI F, DE LANGE P, LEANZA C, IANNUCCI LF, SILVESTRI E, MORENO M, LOMBARDI A, GOGLIA F, LANNI A. (2017) Both 3,5-Diiodo-L-Thyronine and 3,5,3'-Triiodo-L-Thyronine Prevent Short-term Hepatic Lipid Accumulation via Distinct Mechanisms in Rats Being Fed a High-Fat Diet. FRONT PHYSIOL. 2017 8:706. doi: 10.3389/fphys.2017.00706. eCollection 2017.

10. MORENO M, GIACCO A, DI MUNNO C, GOGLIA F. (2017) Direct and rapid effects of 3,5-diiodo-L-thyronine (T2). MOL CELL ENDOCRINOL. 458:121-126. doi: 10.1016/j.mce.2017.02.012.

11. SENESE R, CIOFFI F, DE LANGE P, LEANZA C, IANNUCCI LF, SILVESTRI E, MORENO M, LOMBARDI A, GOGLIA F, LANNI A (2017) Both 3,5-Diiodo-L-Thyronine and 3,5,3'-Triiodo-L-Thyronine Prevent Short-term Hepatic Lipid Accumulation via Distinct Mechanisms in Rats Being Fed a High-Fat Diet. FRONT PHYSIOL. 2017 8:706. doi: 10.3389/fphys.2017.00706. eCollection 2017.

12. 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

13. LANNI A, MORENO M, GOGLIA F (2016) Mitochondrial actions of thyroid hormone. COMPR PHYSIOL. 6(4):1591-1607. doi: 10.1002/cphy.c150019.

14. 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.

15. 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]

16. 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.

17. 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.

18. 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.

19. 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.

20. DEL VISCOVO A, SECONDO A, ESPOSITO A, GOGLIA F, MORENO M, CANZONIERO LM (2012). Intracellular and plasma membrane-initiated pathways involved in the [Ca2+]i elevations induced by iodothyronines (T3 and T2) in pituitary GH3 cells. AMERICAN JOURNAL OF PHYSIOLOGY: ENDOCRINOLOGY AND METABOLISM, vol. 302, p. 1419-1430.

21. 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.

22. 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

23. 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.

24. 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.

25. 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.

26. 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.

27. SILVESTRI E, LOMBARDI A, GLINNI D, SENESE R, CIFFI 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

28. 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

29. 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.

30. 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.

31. 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.

32. 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 Aß and tau pathology in a female triple-transgenic murine model of Alzheimer's disease. CELL DEATH & DISEASE, vol. 1:e90.

33. MOLLICA MP, LIONETTI L, MORENO M, LOMBARDI A, DE LANGE P, LANNI A, BARLETTA A, GOGLIA F (2009) 3,5-diiodo-L-thyronine, by modulatine mitochondrial functions, reverses hepatic fat accumulation in rats fed a high-fat diet. JOURNAL OF HEPATOLOGY.. 51: 363-370

34. 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

35. TALEUX N, GUIGAS B, DUBOUCHAUD 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

36. 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

37. VALLE A, SILVESTRI E, MORENO M, CHAMBERY A, OLIVER J, ROCA P, GOGLIA F (2008) Combined effect of gender and caloric restriction on liver proteomic expression profile. JOURNAL OF PROTEOME RESEARCH. 7: 2872-2881

38. MORENO M, DE LANGE P, LOMBARDI A, SILVESTRI E, LANNI A, GOGLIA F (2008) Metabolic effects of thyroid hormone derivatives. THYROID. 18: 239-253

39. 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

40. 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

41. DE LANGE P, SENESE R, CIOFFI F, MORENO M, LOMBARDI A, SILVESTRI E, GOGLIA F, LANNI A (2008) Rapid activation by 3,5,3'triiodothyronine of adenosine-5'-monophosphate-activated protein kinase/acetyl-coenzyme A carboxylase and AKT/protein kinase B signaling pathways: relation to changes in fuel metabolism and myosin heavy-chain protein content in rat gastrocnemius muscle in vivo. ENDOCRINOLOGY. 149: 6462-6470

42. 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

43. 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

44. 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

45. 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

46. 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

47. 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

48. 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.

49. LOMBARDI A, LANNI A, DE LANGE P, SILVESTRI E, GRASSO P, SENESE R, GOGLIA F, MORENO M (2007) Acute administration of 3,5-diiodo-L-thyronine to hypothyroid rats affects bioenergetic parameters in rat skeletal muscle mitochondria. FEBS LETTERS. 581: 5911-5916

50. 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

51. SILVESTRI E, MORENO M, SCHIAVO L, DE LANGE P, LOMBARDI A, CHAMBERY A, PARENTE A, LANNI A, GOGLIA F (2006) A proteomics approach to identify protein expression changes in rat liver following administration of 3,5,3'-triiodo-L-thyronine. JOURNAL OF PROTEOME RESEARCH. 5: 2317-2327.

52. LOMBARDI A, LANNI A, SILVESTRI E, DE LANGE P, GOGLIA F, MORENO M (2006) 3,5-diiodothyronine: biological actions and therapeutic perspectives. In: CURRENT MEDICINAL CHEMISTRY, IMMUNOLOGY, ENDOCRINE & METABOLIC AGENTS. 6: 255-266, Bentham Science Publishers

53. 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

54. 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-diiodo-L-thyronine powerfully reduces adiposity in rats by increasing the burning of fats. FASEB JOURNAL. 19(11):1552-4

55. 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 analysis of gene expression

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

56. MORENO M, SILVESTRI E, LOMBARDI A, VISSER TJ, GOGLIA F, LANNI A (2003) Indentification by photoaffinity labeling of 3,5-diiodo-L-thyronine-binding proteins in rat liver cytosol. ENDOCRINOLOGY 144: 2297-2303

57. 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.

58. LANNI A, MORENO M, LOMBARDI A, GOGLIA F (2003) Thyroid hormones and uncoupling proteins.FEBS LETTERS 543: 5-10

59. 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 obesità and inflammation in transgenic mice. INTERNATIONAL JOURNAL OF OBESITY 27: 433-442

60. 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

61. MORENO M, LOMBARDI A, BENEDUCE 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

62. DE LANGE P, LANNI A, BENEDUCE 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

63. 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

64. 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

65. LANNI A, SILVESTRI E, MORENO M, BENEDUCE 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

66. LOMBARDI A, BENEDUCE L, MORENO M, DIANO S, COLANTUONI V, URSINI MV, LANNI A, GOGLIA F (2000) 3,5-diiodo-L-thyronine regulates glucose-6-phosphate dehydrogenase activity in the rat. ENDOCRINOLOGY 141: 230-235

67. LANNI A, BENEDUCE L, LOMBARDI A, MORENO M, BOSS O, MUZZIN P, GIACOBINO JP, GOGLIA F (1999) Expression of uncoupling protein-3 and mitochondrial activity in the transition from hypothyroid to hyperthyroid state in rat skeletal muscle. FEBS LETTERS 444: 250-254

68. GOGLIA F, MORENO M, LANNI A (1999) Action of thyroid hormones at the cellular level: the mitochondrial target. FEBS LETTERS 452: 115-120. Review

69. 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

70. LANNI A, MORENO M, LOMBARDI A, GOGLIA F (1998) 3,5-diiodo-L-thyronine and 3,5,3'-triiodo-L-thyronine both improve the cold tolerance of hypothyroid rats, but possibly via different mechanisms. PFLUGERS ARCHIV 436: 407-414

71. MORENO M, LOMBARDI A, LOMBARDI P, GOGLIA F, LANNI A (1998) Effect of 3,5-diiodo-L-thyronine on thyroid stimulating hormone and growth hormone serum levels in hypothyroid rats. LIFE SCIENCES 62: 2369-2377

72. LOMBARDI A, LANNI A, MORENO M, HORST C, GOGLIA F (1997) Characterization of specific mitochondrial binding sites for 3,3'-diiodo-L-thyronine. JOURNAL OF ENDOCRINOLOGY 154: 119-124

73. MORENO M, LANNI A, LOMBARDI A, GOGLIA F (1997) How thyroid controls metabolism: a different role for triiodothyronine and for diiodothyronines. THE JOURNAL OF PHYSIOLOGY 505: 529-538

74. LANNI A, DE FELICE M, LOMBARDI A, MORENO M, FLEURY C, RICQUIER D, GOGLIA F (1997) Induction of UCP2 mRNA by thyroid hormones in rat heart. FEBS LETTERS 418: 171-174

75. LANNI A, MORENO M, LOMBARDI A, GOGLIA F (1996) Biochemical and functional differences in rat liver mitochondrial subpopulations obtained at different gravitational forces. THE INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY 3: 337-343

76. LANNI A, MORENO M, LOMBARDI A, GOGLIA F (1996) Calorigenic effect of diiodothyronines. THE JOURNAL OF PHYSIOLOGY 494: 831-837

77. LANNI A, CIMMINO M, MORENO M, DELLI GATTI A, GINESTRA A, GOGLIA F (1995) Relationship between dose, mode of administration and effects of triiodothyronine on two hepatic responsive enzymes. HORMONE AND METABOLIC RESEARCH 27: 314-317

78. LANNI A, MORENO M, LOMBARDI A, GOGLIA F (1994) Rapid stimulation in vitro of rat liver cytochrome oxidase activity by 3,5-diiodo-L-thyronine and by 3,3'-diiodo-L-thyronine. MOLECULAR AND CELLULAR ENDOCRINOLOGY 99: 89-94

79. LANNI A, MORENO M, HORST C, LOMBARDI A, GOGLIA F (1994) Specific binding sites for 3,3'-diiodo-L-thyronine (3,3'-T2) in rat liver mitochondria. FEBS LETTERS 351: 237-240

80. MORENO M, PUIGSERVER P, GIANOTTI M, LLULL J, LANNI A, GOGLIA F, PALOU A (1994) Cold exposure induces different uncoupling protein thermogenin masking-unmasking processes in brown adipose tissue depending on mitochondrial subtypes. BIOCHEMICAL JOURNAL 300: 463-468

81. MORENO M, BERRY MJ, HORST C, THOMA R, GOGLIA F, HARNEY JW, LARSEN PR, VISSER TJ (1994) Activation and inactivation of thyroid hormone by type I iodothyronine deiodinase. FEBS LETTERS 344: 143-146

82. MORENO M, KAPTEIN E, GOGLIA F, VISSER TJ (1994) Rapid glucuronidation of tri-and tetraiodothyroacetic acid to ester glucuronides in human liver and to ether glucuronides in rat liver. ENDOCRINOLOGY 135: 1004-1009

83. GOGLIA F, LANNI A, HORST C, MORENO M, THOMA R (1994) In vitro binding of 3,5-diiodo-L-thyronine to rat liver mitochondria. JOURNAL OF MOLECULAR ENDOCRINOLOGY 33: 275-282

84. LANNI A, MORENO M, CIOFFI M, GOGLIA F (1993) Effect of 3,3'-diiodo-L-thyronine and 3,5-diiodo-L-thyronine on rat liver mitochondria. JOURNAL OF ENDOCRINOLOGY 136: 59-64

85. LANNI A, MORENO M, CIOFFI M, GOGLIA F (1992) Effect of 3,3'-diiodo-L-thyronine and 3,5-diiodo-L-thyronine on rat liver oxidative capacity. MOLECULAR AND CELLULAR ENDOCRINOLOGY 86: 143-148