

**PUBBLICAZIONI DEGLI ULTIMI 5 ANNI**

1) ACUTE ADMINISTRATION OF 3,5-DIODO-L-THYRONINE TO HYPOTHYROID RATS AFFECTS BIOENERGETIC PARAMETERS IN RAT SKELETAL MUSCLE MITOCHONDRIA.

**FEBS Lett. 2007** 581(30):5911-6.

Lombardi A, Lanni A, de Lange P, Silvestri E, Grasso P, Senese R, **Goglia F**, Moreno M.—**IF=3,6**

2) THYROID STATE INFLUENCE ON PROTEIN EXPRESSION PROFILE OF RAT SKELETAL MUSCLE.

**J Proteome Res. 2007** 6(8):3187-96.

Silvestri E, Burrone L, de Lange P, Lombardi A, Farina P, Chambery A, Parente A, Lanni A, **Goglia F**, Moreno M. —**IF=5,46**

3) DIFFERENTIAL 3,5,3'-TRIIODOTHYRONINE-MEDIATED REGULATION OF UNCOUPLING PROTEIN 3 TRANSCRIPTION: ROLE OF FATTY ACIDS.

**Endocrinology. 2007** 148(8):4064-72.

de Lange P, Feola A, Ragni M, Senese R, Moreno M, Lombardi A, Silvestri E, Amat R, Villarroya F, **Goglia F**, Lanni A.—**IF=5,0**

4) TRIIODOTHYRONINE MODULATES THE EXPRESSION OF AQUAPORIN-8 IN RAT LIVER MITOCHONDRIA.

**J. Endocrinol. 2007** 192(1):111-20.

Calamita G, Moreno M, Ferri D, Silvestri E, Roberti P, Schiavo L, Gena P, Svelto M, **Goglia F**.—**IF=3,10**

5) FUEL ECONOMY IN FOOD-DEPRIVED SKELETAL MUSCLE: SIGNALING PATHWAYS AND REGULATORY MECHANISMS.

**FASEB J. 2007** 21(13):3431-41.

de Lange P, Moreno M, Silvestri E, Lombardi A, **Goglia F**, Lanni A—**IF=6,52**

6) ONGOING AND PERSPECTIVE RESEARCH ON NUTRITION AND MITOCHONDRIAL FUNCTIONS.

**2007- Wageningen Academic Publishers ISEP – EAAP** 124, 37-48

Mollica M.P., Lionetti L., Lombardi A., Silvestri E., **Goglia F**.and Barletta A.—**IF==**

7) METABOLIC ACTIONS OF THYROID HORMONES: INSIGHTS FROM FUNCTIONAL AND PROTEOMIC STUDIES.

**Current Proteomics 2008** , April– Invited Review---**IF====**

Silvestri E, Lombardi A, de Lange P, Lanni A, **Goglia F** and Moreno M.

**8) METABOLIC EFFECTS OF THYROID HORMONE DERIVATIVES.**

**Thyroid 2008**, Feb; (18),2, 239-253- Invited Review

Moreno M., de Lange P., Lombardi A., Silvestri E., Lanni A. and **Goglia F.**—**IF=4,33**

**9) AGE-INDUCED CHANGES IN RENAL AND HEPATIC CELLULAR MECHANISMS ASSOCIATED WITH VARIATIONS IN RAT SERUM THYROID HORMONE LEVELS.**

**American Journal Physiol 2008**, Jun;294(6):E1160-8. Epub 2008 Apr 22

Silvestri E, Lombardi A, de Lange P, Schiavo L, Lanni A, Visser TJ, **Goglia F** and Moreno M.—**IF=4,69**

**10) COMBINED EFFECTS OF GENDER AND CALORIC RESTRICTION ON LIVER PROTEOMIC EXPRESSION PROFILE.**

**J Proteome Res. 2008**, July; (7(7):2872-81

Valle A, Silvestri E, Moreno M, Chambery A, Oliver J, Roca P and **Goglia F.**—**IF=5,46**

**11) Interrelated influence of superoxide and free fatty acids over mitochondrial uncoupling in skeletal muscle.**

**Bioch. Biophys. Acta (bioenerg.), 2008** ,Jul-Aug; 1777(7-8):826-33

Lombardi A., Grasso P., Moreno M., deLange P., Silvestri E., Lanni A. and **Goglia F**—**IF=5,13**

**12) –Uncoupling proteins: a complex journey to function discovery**

**Biofactors. 2009** Sep-Oct;35(5):417-28.—(Invited Review)

Cioffi F, Senese R, de Lange P, **Goglia F**, Lanni A, Lombardi A. —**IF=2,79**

**13)-3,5-diiodothyronine, by modulating mitochondrial functions, reverse hepatic fat accumulation in rats fed a high fat diet.**

**J Hepatol. 2009** Aug;51(2):363-70. Epub 2009 May 3. PubMed PMID: 19464748.

Mollica MP, Lionetti L, Moreno M, Lombardi A, De Lange P, Antonelli A, Lanni

A, Cavaliere G, Barletta A, **Goglia F.** ..**IF=9,33**

**14)- Defining the transcriptomic and proteomic profiles of rat ageing skeletal muscle by the use of a cDNA array, 2D- and Blue native-PAGE approach.**

**J Proteomics. 2009** May 2;72(4):708-21. Epub 2009 Mar 5. PubMed PMID: 19268720.

Lombardi A, Silvestri E, Cioffi F, Senese R, Lanni A, **Goglia F**, de Lange P,

Moreno M. —**IF=5,07**

**15)-** 3,5-Diiodo-L-thyronine rapidly enhances mitochondrial fatty acid oxidation rate and thermogenesis in rat skeletal muscle: AMP-activated protein kinase involvement.

**Am J Physiol Endocrinol Metab.** 2009 Mar;296(3):E497-502.

Lombardi A, de Lange P, Silvestri E, Busiello RA, Lanni A, **Goglia F**, Moreno M.—**IF=4,69**

**16)-** 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, a rat strain resistant to obesity.

Taleux N, Guigas B, Dubouchaud H, Moreno M, Weitzel JM, **Goglia F**, Favier R, Leverve XM.

**J Biol Chem.** 2009 Feb 13;284(7):4308-16. —**IF=5,33**

**17)-** Serum levels of proinflammatory cytokines interleukin-1beta, interleukin-6, and tumor necrosis factor alpha in mixed cryoglobulinemia

Antonelli A, Ferri C, Ferrari SM, Ghiri E, **Goglia F**, Pampana A, Bruschi F, Fallahi P.

**Arthritis Rheum.** 2009 Dec;60(12):3841-7. —**IF=8,44**

**18)-** High levels of circulating N-terminal pro-brain natriuretic peptide in patients with hepatitis C

Antonelli A, Ferri C, Ferrari SM, Colaci M, Sebastiani M, Zignego AL, Ghiri E, **Goglia F**, Fallahi

**J Viral Hepat.** 2010 Dec;17(12):851-3. doi: 10.1111/j.1365-2893.2009.01237.x. —**IF=3,5**

**19)-** PPARs: Nuclear Receptors Controlled by, and Controlling, Nutrient Handling through Nuclear and Cytosolic Signaling.

Moreno M, Lombardi A, Silvestri E, Senese R, Cioffi F, **Goglia F**, Lanni A, de Lange P.

**PPAR Res.** 2010;2010. pii: 435689. Epub 2010 Aug 1. (Invited review)—**IF=2,73**

**20)-** Thyroid hormones, mitochondrial bioenergetics and lipid handling.

Cioffi F, Lanni A, **Goglia F**.

**Curr Opin Endocrinol Diabetes Obes.** 2010 Oct;17(5):402-7. (Invited review)—**IF=3,08**

**21)-**TRC150094, a novel functional analog of iodothyronines, reduces adiposity by increasing energy expenditure and fatty acid oxidation in rats receiving a high-fat diet.

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**. **FASEB J.** 2010 Sep;24(9):3451-61. Epub 2010 May 7.—**IF=6,52**

**22)**-UCP3 translocates lipid hydroperoxide and mediates lipid hydroperoxide-dependent mitochondrial uncoupling.

Lombardi A, Busiello RA, Napolitano L, Cioffi F, Moreno M, de Lange P, Silvestri E, Lanni A, **Goglia F**. **J Biol Chem.** 2010 May 28;285(22):16599-605. Epub 2010 Apr 2. —**IF=5,33**

**23)**- 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.

Silvestri E, Cioffi F, Glinni D, Ceccarelli M, Lombardi A, de Lange P, Chambery A, Severino V, Lanni A, **Goglia F**, Moreno M.

**Mol Biosyst.** 2010 Sep 16. [Epub ahead of print]—**IF=3,83**

**24)**-Dietary zinc supplementation of 3xTg-AD mice increases BDNF levels and prevents cognitive deficits as well as mitochondrial dysfunction.

Corona C, Masciopinto F, Silvestri E, Viscovo AD, Lattanzio R, Sorda RL, Ciavardelli D, **Goglia F**, Piantelli M, Canzoniero LM, Sensi SL.

**Cell Death Dis.** 2010 Oct 28;1:e91.---

**25)**-Alterations of brain and cerebellar proteomes linked to A $\beta$  and tau pathology in a female triple-transgenic murine model of Alzheimer's disease.

Ciavardelli D, Silvestri E, Viscovo AD, Bomba M, Gregorio DD, Moreno M, Di Ilio C, **Goglia F**, Canzoniero LM, Sensi SL.

**Cell Death Dis.** 2010 Oct 28;1:e90.---

**26)**-3,5-diiodo-L-thyronine (T2) modulates the expression of genes of lipid metabolism in a rat model of fatty liver.

Grasselli E, Voci A, Denori I, Canesi L, De Matteis R, **Goglia F**, Lanni A, Gallo G, Vergani L.

**J Endocrinol.** 2011 Nov 22. [Epub ahead of print]---**IF=3,10**

**27)**-Nonthyrotoxic prevention of diet-induced insulin resistance by 3,5-diiodo-L-thyronine in rats.

de Lange P, Cioffi F, Senese R, Moreno M, Lombardi A, Silvestri E, De Matteis R, Lionetti L, Mollica MP, **Goglia F**, Lanni A.

**Diabetes.** 2011 Nov;60(11):2730-9. Epub 2011 Sep 16.---**IF=8,89**

**28)**-3,5-Diiodo-L-thyronine prevents high-fat-diet-induced insulin resistance in rat skeletal muscle through metabolic and structural adaptations.

Moreno M, Silvestri E, De Matteis R, de Lange P, Lombardi A, Glinni D, Senese R, Cioffi F, Salzano AM, Scalon A, Lanni A, **Goglia F**.

**FASEB J.** 2011 Oct;25(10):3312-24. Epub 2011 Jun 13.—**IF=6,52**

**29)**-Non-receptor-mediated actions are responsible for the lipid-lowering effects of iodothyronines in FaO rat hepatoma cells.

Grasselli E, Voci A, Canesi L, **Goglia F**, Ravera S, Panfoli I, Gallo G, Vergani L.

**J Endocrinol.** 2011 Jul;210(1):59-69. Epub 2011 Apr 20.—**IF=3,10**

**30)**-TRC150094 attenuates progression of nontraditional cardiovascular risk factors associated with obesity and type 2 diabetes in obese ZSF1 rats.

Zambad SP, Munshi S, Dubey A, Gupta R, Busiello RA, Lanni A, **Goglia F**, Gupta RC, Chauthaiwale V, Dutt C.

**Diabetes Metab Syndr Obes.** 2011 Jan 6;4:5-16.---**IF=3,41**

**31)**-Direct effects of iodothyronines on excess fat storage in rat hepatocytes.

Grasselli E, Voci A, Canesi L, De Matteis R, **Goglia F**, Cioffi F, Fugassa E, Gallo G, Vergani L.

**J Hepatol.** 2011 Jun;54(6):1230-6. Epub 2010 Nov 3.---**IF=9,33**

**32)**-Uncoupling protein 3 expression levels influence insulin sensitivity, fatty acid oxidation, and related signaling pathways.

Senese R, Valli V, Moreno M, Lombardi A, Busiello RA, Cioffi F, Silvestri E, **Goglia F**, Lanni A, de Lange P.

**Pflugers Arch.** 2011 Jan;461(1):153-64. Epub 2010 Nov 7.---**IF=3,35**

**33)**-Studies of complex biological systems with applications to molecular medicine: the need to integrate transcriptomic and proteomic approaches.

Silvestri E, Lombardi A, de Lange P, Glinni D, Senese R, Cioffi F, Lanni A, **Goglia F**, Moreno M.

**J Biomed Biotechnol.** 2011;2011:810242. Epub 2010 Oct 11. Invited Review.---**IF=1,23**

**34)**-3,5-diiodo-l-thyronine increases resting metabolic rate and reduces body weight without undesirable side effects.

Antonelli A, Fallahi P, Ferrari SM, Di Domenicantonio A, Moreno M, Lanni A, Goglia F.

**J Biol Regul Homeost Agents.** 2011 Oct-Dec;25(4):655-60.—**IF=2,83**

**35) INTRACELLULAR AND PLASMA MEMBRANE-INITIATED PATHWAYS INVOLVED IN THE  $[Ca^{2+}]_i$  ELEVATIONS INDUCED BY IODOTHYRONINES IN PITUITARY GH3 CELLS".** Canzoniero L, Moreno M, **Goglia F** et al. **Am. J. of Physiol.** "In press"--**IF=4,69**