

Lillà Lionetti

Associate professor

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Biographical sketch

Prof Lionetti obtained her PhD in Physiology at the University of Naples 'Federico II' in 1996. She carried out research activities at the Department of Biochemistry, University of Cambridge, UK, in 1994-1999. She earned a postdoc position in 1998-1999. She is specialized in Nutrition science at the University of Naples. In 2001 she earned the position of researcher in Physiology at the University of Naples. She has been director of a graduate program in nutrition at the Department of Biology. In 2016, she earned the position of Associate Professor in Physiology at the University of Salerno (Italy).

Current research activities focus on mitochondrial bioenergetics and dynamic behavior in experimental animal models of diet-induced obesity and insulin resistance.

She is author of 41 papers in international scientific journals and of several international and national congress communications. She directed 4 PhD students and several undergraduate students. She is acting as referee for national funds agency (MIUR) as well as for numerous journals. She has established a profitable cooperation with several outstanding groups: Dr. M.D. Brand (Cambridge, UK), Dr. A.G. Dulloo (Friburg, Switzerland), dr. Marisol Fernandez Alfonso (Universidad Complutense de Madrid) dr, Isabelle Castan-Laurell (Inserm, Toulouse France), Dr. A. Zorzano (Institute for Research in Biomedicine, IRB Barcelona, Spain).

Main publication in the last years:

1. Lionetti L, Mollica MP, Lombardi A, Cavaliere G, Gifuni G, Barletta A. **From chronic overnutrition to insulin resistance: the role of fat-storing capacity and inflammation.** Nutr Metab Cardiovasc Dis. 2009 Feb;19(2):146-52. doi: 10.1016/j.numecd.2008.10.010. Epub 2009 Jan 25. Review
2. Lionetti L, Mollica. M.P., Sica R., Donizzetti I., Gifuni G., Pignalosa A., Cavaliere G., Putti R. **Differential Effects of High-Fish Oil and High-Lard Diets on Cells and Cytokines Involved in the Inflammatory Process in Rat Insulin-Sensitive Tissues.** Int. J. Mol. Sci. 2014 Feb 20;15(2):3040-63. doi: 10.3390/ijms15023040
3. Lionetti L, Mollica MP, Donizzetti I, Gifuni G, Sica R, Pignalosa A, Cavaliere G, Gaita M, De Filippo C, Zorzano A, Putti R. **High-lard and high-fish-oil diets differ in their effects on function and dynamic behaviour of rat hepatic mitochondria.** PLoS One. 2014 Mar 24;9(3):e92753. doi: 10.1371/journal.pone.0092753. eCollection 2014
4. Putti R, Sica R, Migliaccio V, Lionetti L. **Diet impact on mitochondrial bioenergetics and dynamics.** Front Physiol. 2015 Apr 8;6:109. doi: 10.3389/fphys.2015.00109. eCollection 2015. Review
5. Putti R, Migliaccio V, Sica R, Lionetti L. **Skeletal muscle mitochondrial bioenergetics and morphology in high fat diet induced obesity and insulin resistance: focus on dietary fat source.** Review. Front Physiol. 2016 Jan 20;6:426. doi: 10.3389/fphys.2015.00426. eCollection 2015. Review