

- **NOME:** Luigi Schiavo
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- **MATERIE DI RIFERIMENTO:** Medical Physiology
- **BIOGRAPHY:**

Dopo gli studi in Scienze Biologiche prosegue con il dottorato in Fisiologia, Endocrinologia e Metabolismo presso l'Università di Sannio in Benevento ed ottiene infine l'abilitazione come Professore Associato in Scienze Dietetiche nel 2017. A seguito di diverse esperienze come Ricercatore in Italia attualmente lavora come Nutrizionista nella 9. Divisione di Chirurgia Generale dell'Università della Campania "Luigi Vanvitelli" di Napoli.

ESPERIENZE RECENTI

- **Università della Campania "Luigi Vanvitelli", Napoli / 2012 > in corso**
Nutrizionista, IX Divisione di Chirurgia Generale, Università della Campania "Luigi Vanvitelli", Napoli
- **Attualmente, ricerche principali:**
 1. Dietetica applicata alla chirurgia bariatrica
 2. Impatto clinico della chirurgia bariatrica sulla composizione corporea del paziente (grasso m e massa magra) e tasso metabolico a riposo
 3. Trattamento pre-e post-operatorio delle carenze di micronutrienti nei pazienti sottoposti a chirurgia bariatrica
 - 4.
- **Dal 1. Novembre 2016 al 31 Ottobre 2017, Ricercatore**, Dipartimento di Scienze Cardiotoraciche e Respiratorie, Università della Campania "Luigi Vanvitelli", Napoli

PUBBLICAZIONI ACCADEMICHE

1. **Schiavo L***, Favre G, Pilone V, Rossetti G, De Sena G, Iannelli A, Barbarisi A. Low-purine diet is more effective than normal-purine diet in reducing the risk of gouty attacks after sleeve gastrectomy in patients suffering of gout before surgery: a retrospective study. *Obesity Surgery. In press*
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2. **Schiavo L***, Scalera G, Pilone V, De Sena G, Iannelli A, Barbarisi A (2017). [Fat mass, fat-free mass, and resting metabolic rate in weight-stable sleeve gastrectomy patients compared with weight-stable nonoperated patients.](#) *Surg Obes Relat Dis.* 2017 Jul 1. pii: S1550-7289(17)30300-3. doi: 10.1016/j.soard.2017.06.007.
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3. **Schiavo L***, Scalera G, Pilone V, De Sena G, Quagliariello V, Iannelli A, Barbarisi A. A comparative study examining the impact of a protein-enriched vs normal protein postoperative diet on body composition and resting metabolic rate in obese patients after sleeve gastrectomy. *Obesity Surgery* 2017 [In Press]
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4. **Schiavo L***, Sans A, Scalera G, Barbarisi A, Iannelli A. Why preoperative weight loss in preparation for bariatric surgery is important. *Obesity Surgery* 2016 Nov;26(11):2790-2792.
***Corresponding author**
5. **Schiavo L***, Scalera G, Pilone V, De Sena G, Ciorra F.R., Barbarisi A. Patient adherence in following a prescribed diet and micronutrient supplements after laparoscopic sleeve gastrectomy: our experience during 1 year of follow-up *Journal of Human Nutrition and Dietetics.* 2017 Feb;30(1):98-104.
***Corresponding author**
6. **Schiavo L***, Scalera G, Barbarisi A. (2016) Micronutrient deficiencies and Sleeve Gastrectomy for weight reduction. In: V. R. Preedy, R. Rajendram and C.R. Martin (Eds) *Metabolism and pathophysiology of Bariatric Surgery: Nutrition Procedures, Outcomes and Adverse Effects. Academic Press* (an Imprint of Elsevier) – Book Chapter. *In Press* - Print ISBN 9780128040119; Electronic ISBN [9780128040638](#)
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7. **Schiavo L***, Scalera G, Pilone V, De Sena G, Capuozzo V, Barbarisi A. (2016) Micronutrient deficiencies in obese patients candidate for bariatric surgery: a prospective, pre-operative trial of screening, diagnosis, and treatment. *Int. J. Vit & Nutr. Research.* May;10:1-8.

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8. **Schiavo L***, Scalera G, Barbarisi A. (2015) Sleeve Gastrectomy to treat concomitant polycystic ovary syndrome, insulin and leptin resistance in a 27-years morbidly obese woman unresponsive to insulin-sensitizing drugs: a 3-year follow-up. *Int. J. Surg. Case Rep. Oct; 21(17):36-38.*

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9. **Schiavo L***, Scalera G, De Sena G, Ciorra FR, Pagliano P, Barbarisi A. (2015) Nonsurgical management of multiple splenic abscesses in an obese patient that underwent laparoscopic sleeve gastrectomy: case report and review of literature. *Clinical Case Report. Oct;3(10):870-874.*

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10. **Schiavo L***, Scalera G, Sergio R, De Sena G, Pilone V, Barbarisi A. (2015) Clinical impact of Mediterranean- enriched-protein diet on liver size, visceral fat, fat mass and fat-free mass in patients undergoing sleeve gastrectomy. *Surg Obes Rel Dis. Sep-Oct;11(5):1164-70.*

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11. Funari R, Della Ventura B, **Schiavo L**, Esposito R, Altucci C, Velotta R (2013) Detection of parathion pesticide by quartz crystal microbalance functionalized with UV-activated antibodies. *Anal Chem. Jul 2;85(13):6392-7.*

12. Della Ventura B, **Schiavo L**, Altucci C, Esposito R, Velotta R (2011) Light assisted antibody immobilization for bio-sensing. *Biomed Opt Express. Nov 1;2(11):3223-31.*

13. [Papadopoulou OS](#), [Tassou CC](#), **Schiavo L**, Nichas GJE, Panagou EZ (2011) Rapid Assessment of Meat Quality by Means of an Electronic Nose and Support Vector Machines. *Procedia Food Sciences; 1:2003-2006.*

14. Misiakos K, Petrou PS, Kakabakos SE, Yannoukakos D, Contopanagos H, Knoll T, Velten T, DeFazio M, **Schiavo L**, Passamano M, Stamou D, Nounesis G (2010) Fully integrated monolithic optoelectronic transducer for real-time protein and DNA detection: the NEMOSLAB approach. *Biosens Bioelectron. Dec 15;26(4):1528-35.*

15. Lusi EA, Passamano M, Guarascio P, Scarpa A, **Schiavo L** (2009) Innovative electrochemical approach for an early detection of microRNAs. *Anal Chem. Apr 1;81(7):2819-22.*

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16. Abizaid A, **Schiavo L** and Diano S (2008) Hypothalamic and pituitary expression of ghrelin receptor message is increased during lactation *Neurosci Lett.* Aug 8;440(3):206-10.
17. Silvestri Elena, Lombardi Assunta, De Lange Pieter, **Schiavo Luigi**, Lanni Antonia, Goglia Fernando, Visser Theo, Moreno Maria (2008) Age-Related Changes in Renal and Hepatic Cellular Mechanisms Associated with Variations in Rat Serum Thyroid Hormone Levels. *Am J Physiol Endocrinol Metab.* Jun;294(6):E1160-8.
18. Calamita G, Moreno M, Ferri D, Silvestri E, Roberti P, **Schiavo L**, Gena P, Svelto M, Goglia F (2007) The effect of thyroid state on aquaporin 8 in rat liver mitochondria. *Journal of Endocrinology* **192**:111-120.
19. Elena Silvestri, Maria Moreno, **Luigi Schiavo**, Pieter de Lange, Assunta Lombardi, Angela Chambery, Augusto Parente, Antonia Lanni, and Fernando Goglia (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.
20. 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. *Biochemical Biophysica Acta* **1757**:486-95.
21. Coppola A, Hughes, J, Esposito E, **Schiavo L**, Meli R, Diano S (2005) Suppression of hypothalamic deiodinase type II activity blunts TRH mRNA decline during fasting. *FEBS Letters* **579**:4654-4658.
22. Silvestri E*, **Schiavo L***, Lombardi A, Goglia F (2005) Thyroid hormones as molecular determinants of thermogenesis. *Acta Physiologica Scandinavica* **184**:265-283 (Cover dedicated). *The authors contributed equally.

Oral Presentation, National and International Congress

1. 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 the gene expression profile in rat gastrocnemius muscle in relation to its adaptive function in energy metabolism during fasting. *FASEB J* **18**:350:352.

2. Diano S, Leonard JL, Meli R, Esposito E, **Schiavo L (2003)** Hypothalamic type II iodothyronine deiodinase: a light and electron microscopic study. *Brain research* **976**:130-134.
3. **Schiavo L**, Scalera G, De Sena G, Capuozzo V, Ciorra FR, Barbarisi A. An unexpected clinical effect of Sleeve Gastrectomy on a multifactorial endocrinopathy: a case report. 9-11 Giugno 2016, Napoli. XX Conferenza della Società Europea di Chirurgia.
4. **Schiavo L**, Scalera G, De Sena G, Capuozzo V, Ciorra FR, Barbarisi A. Preparation of obese patients to elective surgery: the case of patients scheduled for bariatric surgery. 9-11 Giugno 2016, Napoli. XX Conferenza della Società Europea di Chirurgia.
5. Scalera G, **Schiavo L**, Ciorra FR, Aliberti R, Amendola A, De Sena G. Clinical impact of sleeve gastrectomy on T2DM: our experience. 9-11 Giugno 2016, Napoli. XX Conferenza della Società Europea di Chirurgia.
6. **Schiavo L**, Scalera G, Sergio R, De Sena G, Ciorra FR, Barbarisi A. Deficit vitaminici e minerali in seguito ad intervento di Sleeve Gastrectomy: ma i pazienti seguono le prescrizioni dietetiche e la supplementazione prescritta? La nostra esperienza nel corso di 1 anno di follow-up. 22-24 Aprile 2015, Baveno. XXIII Congresso Nazionale S.I.C.OB.
7. **Schiavo L**, Scalera G, Sergio R, De Sena G, Ciorra FR, Barbarisi A. Deficit vitaminici e minerali in seguito ad intervento di Sleeve Gastrectomy: ma i pazienti seguono le prescrizioni dietetiche e la supplementazione prescritta? La nostra esperienza nel corso di 1 anno di follow-up. 22-24 Aprile 2015, Baveno. XXIII Congresso Nazionale S.I.C.OB.
8. **Schiavo L**, Scalera G. OBESITA': come intervenire quando le terapie dietetiche classiche falliscono. Aversa (CE), 18 Gennaio 2015.
9. **Schiavo L**. Integrazione alimentare nella vita quotidiana e nei diversi tipi di sport. Aversa (CE), 27 Novembre 2014.
10. **Schiavo L**, Scalera G and Barbarisi A. Pre-surgical weight loss, liver shrinkage and abdominal fat reduction obtained using a Mediterranean Diet in obese patients undergoing laparoscopic sleeve gastrectomy. **19-21 Giugno 2014**, Beirut. XVIII European Society of Surgery (ESS) and the 17th Spring Annual Congress of the Lebanese Society for General Surgery (LSGS).

11. **Schiavo L**, Scalera G and Barbarisi A. Dieta Mediterranea e Chirurgia Bariatrica: binomio possibile? 15-17 Maggio 2014, Napoli. XXII Congresso Nazionale S.I.C.OB.
12. **Schiavo L**, Scalera G and Barbarisi A. Dieto-terapia prima dell'intervento di sleeve gastrectomy: dimagrimento o deperimento? 15-17 Maggio 2014, Napoli. XXII Congresso Nazionale S.I.C.OB.
13. **Schiavo L**. Variazione del peso: magrezza ed obesità. Corso di Medicina della Riproduzione anno 2013. Riproduzione Assistita e Benessere della donna. 6 Dicembre 2013. Giugliano (Na).
14. **Schiavo L**, Scalera G and Barbarisi A. Pre- and Post-operative Nutritional Considerations to Better Manage Bariatric Surgery Patients. 21-23 Novembre, 2014, Malta. European Society of Surgery.
15. **Schiavo L**, Esposito E, Horvath TL, Diano S and Abizaid A. Lactation leads to increased levels of hypothalamic and pituitary ghrelin receptor transcripts. Parental Brain Conference, June 7-10, 2007, Boston, Massachusetts, USA
16. **Schiavo L***, Antonio Scarpa, Simona Greco. Antigen-Antibody interaction on the gold surface modified by Langmuir-Shaeffer technologies with poly-pyrrole-derivatives monitored by μ LIBRA. The AISEM Society's 12nd Annual Meeting, Febbraio 12-14 , 2007, Napoli, Italy
(*Corresponding author)
17. Silvestri E, **Schiavo L**, Lanni A, Lombardi A, de Lange P, Farina P, Goglia F, Moreno M. Effect of thyroid hormone on rat skeletal muscle protein expression profile. The Endocrine Society's 88th Annual Meeting, June 24-27, 2006, Boston, USA
18. Silvestri E, **Schiavo L**, Lanni A, Feola A, Goglia F, Moreno M. Expression change in liver proteome following thyroid hormone administration to hypothyroid rats. 13th International Thyroid Congress, October 30- Novembre 4, 2005, Buenos Aires, Argentina
19. Silvestri E, **Schiavo L**, Lanni A, Feola A, Goglia F, Moreno M. Liver protein expression following thyroid hormone (T3) administration to hypothyroid rats: a proteomic approach. 56^o congresso della Società Italiana di Fisiologia, September 27-30, 2005, Palermo, Italy
20. Calamita G, Moreno M, Ferri D, Silvestri E, Roberti P, **Schiavo L**, Gena P, Svelto M, Goglia F. Mitochondrial AQP8 is downregulated by thyroid hormone (T3) in rat liver. 56^o congresso della Società Italiana di Fisiologia, September 27-30, 2005, Palermo, Italy

21. Calamita G, Moreno M, Ferri D, Silvestri E, Roberti P, **Schiavo L**, Gena P, Svelto M, Goglia F. Mitochondrial AQP8 is downregulated by thyroid hormone (T3) in rat liver. *International Conference on Aquaporins, September 10-13, 2005, Brussels, Belgio*
22. Calamita G, Moreno M, Ferri D, Silvestri E, Gena P, **Schiavo L**, Svelto M, Goglia F. Aquaporin-8 (AQP8) downregulation by thyroid hormones in rat liver mitochondria. *55° congresso della Società Italiana di Fisiologia, 4-7 Ottobre, 2004, Pisa, Italy*
23. Calamita G, Moreno M, Ferri D, Silvestri E, Gena P, **Schiavo L**, Svelto M, Goglia F. The expression of the Aquaporin-8 water channel (AQP8) is increased in the liver mitochondria of hypothyroid rats. *30th Annual Meeting of ETA, 19-22 Settembre, 2004, Istanbul, Turkey*
24. Ragni M, De Lange P, Moreno M, Silvestri E, Farina P, **Schiavo L**, Feola A, Goglia F. Combined cDNA array\RT-PCR analysis of gene expression profile in rat gastrocnemius muscle: relation to its adaptative function in energy metabolism during fasting. *54° Congresso della Società Italiana di Fisiologia, 29 Settembre - 2 Ottobre, 2003, Chieti, Italy*
25. Diano S, Leonard JL, Meli R, Esposito E, **Schiavo L**. Hypothalamic type II iodothyronine deiodinase: a light and electron microscopic study. *The Endocrine Society 85th Annual Meeting, June 19-22, 2003, Philadelphia, PA, USA.*