



## CURRICULUM VITAE

Nome

**Livio Luzi**



Professore ordinario - Preside di Facoltà

MED/13 - Endocrinologia

### Titoli di studio

- 1981 -Laurea in Medicina e Chirurgia (con pieni voti e lode), Università degli Studi di Milano
- 1986 - Diploma di Specializzazione in Medicina Interna. Università' degli Studi di Milano
- 1993 - Diploma, Educational Commission Foreign Medical Graduates, Phil., PA,USA
- 2000 - Master in Economia e Gestione dei Servizi Sanitari, Università degli Studi di Milano

### Attività didattica e professionale

- 1986 -Assistente medico (Ricercatore), Reparto Medicina 1, Ospedale San Raffaele, Milano
- Docente presso la scuola di specializzazione in malattie del ricambio, Università degli Studi di Milano
- Vincitore di un premio di ricerca (post- doctoral research fellowship award) della Juvenile Diabetes Foundation per ricerche sul metabolismo aminoacidico nel diabete mellito
- Ricercatore, Dipartimento di Medicina. Divisione di Endocrinologia della Yale University School of Medicine, New Haven, Connecticut, U.S.A.
- 1988 -Ricercatore, Dipartimento di Medicina. Divisione di Diabete della University of Texas Health Science Center, San Antonio, Texas
- 1989 -Assistente medico (Ricercatore), Reparto Medicina 1, Ospedale San Raffaele, Milano
- 1990 -Tecnico laureato presso il Dipartimento di Scienze e Tecnologie Biomediche della Università degli Studi di Milano con funzioni di assistente medico presso l' Ospedale San Raffaele.
- 1991-2006 -Managing Editor, Acta Diabetologica
- 1993 -Vincitore del Morgagni Prize, Young Investigator Award
- 1993-96 - Assistant Professor of Medicine, Dipartimento di Medicina. Divisione di Endocrinologia, Brigham and Women Hospital, Harvard Medical School, Boston, USA
- 1994 -Vincitore di un "research grant award" della Juvenile Diabetes Foundation per lo studio del metabolismo degli aminoacidi dopo trapianto di pancreas nel diabete mellito
- 1996 - Responsabile del Laboratorio di ricerca Aminoacidi e Isotopi Stabili dell'Istituto Scientifico San Raffaele
- 2000 - Master in Economia e Gestione dei Servizi Sanitari, Università degli Studi di Milano (luglio 2000)
- 2001 - Idoneità al ruolo di professore ordinario per la disciplina Alimentazione e Nutrizione Umana - settore disciplinare E04C.
- 2001 - Vincitore del Premio S.I.D.
- 2002 - Membro della Commissione giudicatrice dei progetti di ricerca "Quality of Life and Management of Living Resources" della Comunità Europea.
- 2002 - Professore Straordinario di Fisiologia della Nutrizione - Facoltà di Scienze Motorie - Università degli Studi di Milano
- 2003 - Presidente del Consorzio per la Ricerca, Prevenzione e Cura delle Malattie Endocrino-Metaboliche.
- 2004 - Organizzatore e Presidente del Congresso Internazionale "Amino Acid Metabolism in Health and Disease" organizzato sotto gli auspici della Società Italiana di Nutrizione Umana



2005 - Fondatore e Co-Editor della rivista internazionale Sport Sciences for Health, edita da Springer International.

2005 - Professore Ordinario di Fisiologia, Facoltà di Scienze Motorie, Università degli Studi di Milano.

2005 - Adjunct Professor of Surgery alla Leonard M. Miller School of Medicine, University of Miami, USA

2006 - Professore Ordinario di Endocrinologia – Facoltà di Scienze Motorie – Università degli Studi di Milano

2007 - Preside Facoltà di Scienze Motorie – Università degli Studi di Milano

#### Selezione pubblicazioni

Luzi L, Piceni Sereni L, Battezzati A, Elli A, Soullillou JP, Cantarovich D. Metabolic effects of a corticosteroid-free immunosuppressive regimen in recipients of pancreatic transplant. *Transplantation*, 2003, 75(12), June 27, 2018:23  
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Battezzati A, Benedini S, Fattorini A, Losa M, Mortini P, Bertoli S, Lanzi R, Testolin G, Biolo G, Luzi L. Insulin action on protein metabolism in acromegalic patients. *Am J Physiol Endocrinol Metab*, 2003 Apr, 284 (4):E823-9  
Impact Factor = 3.828

Perseghin G, Caumo A, Arcelloni C, Benedini S, Lanzi R, Pagliato E, Sereni PL, Testolin G, Battezzati A, Comi G, Comola M, Luzi L. Contribution of abnormal insulin secretion and insulin resistance to the pathogenesis of type 2 diabetes in myotonic dystrophy. *Diabetes Care*, 2003 Jul;26(7):2112-8  
Impact Factor: 5.477

Perseghin G, Lattuada G, Danna M, Sereni PL, Maffi P, De Cobelli F, Battezzati A, Secchi A, Del Mashio A, Luzi L. Insulin resistance, intramyocellular lipid content and plasma adiponectin in patients with type 1 diabetes. *Am J Physiol Endocrinol Metab*, 2003, 285(6): E1174-E1181  
Impact Factor = 3.828

Luzi L, Perseghin G, Tambussi G, Meneghini E, Scifo P, Pagliato E, Del Maschio A, Testolin G, Lazzarin A. Intramyocellular lipid accumulation and reduced whole body lipid oxidation in HIV lipodystrophy. *Am J Physiol Endocrinol Metab*, 2003 Feb; 284(2):E274-80  
Impact Factor = 3.828

Perseghin G, Caumo A, Mazzaferro V, Pulvirenti A, Piceni Sereni L, Romito R, Lattuada G, Coppa J, Costantino F, Regalia E, Luzi L. Assessment of insulin sensitivity based on a fasting blood sample in men with liver cirrhosis before and after liver transplantation. *Transplantation*, 2003, Aug 27; 76(4):697-702.  
Impact Factor = 3.608

Piemonti L, Calori G, Mercalli A, Lattuada G, Monti P, Garancini MP, Costantino F, Ruotolo G, Luzi L and Perseghin G. Fasting plasma leptin, monocyte chemoattracting protein-1 (MCP-1/CCL2) and  $\alpha$ -tumor necrosis factor receptor 2 ( $\alpha$ -TNFR-2) concentrations in glucose tolerant and intolerant women. Impact on cardiovascular mortality. *Diabetes Care*, 2003, Oct, 26(10): 2883-2889. Impact Factor: 5.477

Salvadori A, Fanari P, Giacomotti E, Palmulli P, Bolla G, Tovaglieri I, Luzi L, Longhini E. Kinetics of catecholamines and potassium, and heart rate during exercise testing in obese subjects. Heart rate regulation in obesity during exercise. *Eur. J. Nutr.* 2003; Aug; 42(4):181-7  
IF 1.644

Battezzati A, Caumo A, Martino F, Piceni Sereni L, Coppa J, Romito R, Ammatuna M, Regalia E, Matthews DE, Mazzaferro V, Luzi L. Non-hepatic glucose production in humans. *Am J Physiol Endocrinol Metab*. 2004 Jan; 286(1):E129-35.  
Impact Factor = 3.828

Brambilla AM, Novati R, Calori G, Meneghini E, Vacchini D, Luzi L, Castagna A, Lazzarin A. Stavudine or indinavir-containing regimens are associated with an increased risk of diabetes mellitus in HIV-infected



- individuals. *AIDS*, 2003;Sep5;17(13):1993-5. Impact Factor: 5.983
- Pontiroli AE, Pizzocri P, Caumo A, Perseghin G, Luzi L. Evaluation of insulin release and insulin sensitivity through oral glucose tolerance test: differences between NGT, IFG, IGT, and type 2 diabetes mellitus. A cross-sectional and follow-up study. *Acta Diabetol.* 2004 Jun;41(2):70-6. Impact Factor: 1.619
- Perseghin G, Comola M, Scifo P, Benedini S, De Cobelli F, Lanzi R, Costantino F, Lattuada G, Battezzati A, Del Maschio A, Luzi L. Postabsorptive and insulin-stimulated energy and protein metabolism in patients with Myotonic Dystrophy type 1. *Am J Clin Nutr.* 2004 Aug;80(2):357-64. Impact Factor = 5.692
- Salvadori A, Fanari P, Dworzak F, Azan G, Brunani A, Tovaglieri I, Luzi L, Longhini E. Respiratory-metabolic responses during exercise testing and skeletal muscle morphology in obesity. *Sport Sci Health*, 2004,1:47-54.
- Caumo A, Luzi L. First phase insulin secretion: does it exist in real life? Considerations on shape and function. *Am J Physiol Endocrinol Metab.* 2004 Sep;287(3):E371-85. Impact Factor = 3.828
- Lattuada G, Sereni LP, Ruggieri D, Scollo A, Benedini S, Ragogna F, Costantino F, Battezzati A, Luzi L, Perseghin G. Postabsorptive and insulin-stimulated energy homeostasis and leucine turnover in offspring of type 2 diabetic patients. *Diabetes Care.* 2004 Nov;27(11):2716-22. Impact Factor = 5.477
- Luzi L, Cavadini V, Boggetti E, Alberti G, Battezzati A, Piceni Sereni L, Chiumello G. Insulin sensitivity of protein and glucose metabolism in overweight female adolescents with type 1 diabetes mellitus: positive modulation by physical exercise. *Sport Sci Health*, 2004,1:41-46
- Luzi L, Pizzini G. Born to run: training our genes to cope with ecosystem changes in the twentieth century. *Sport Sci Health*, 2004, 1:1-4
- Lattuada G, Costantino F, Caumo A, Scifo P, Ragogna F, De Cobelli F, Del Maschio A, Luzi L, Perseghin G. Reduced whole-body lipid oxidation is associated with insulin resistance, but not with intramyocellular lipid content in offspring of type 2 diabetic patients. *Diabetologia.* 2005 Apr;48(4):741. Impact Factor = 5.689
- Maestroni A, Ruggieri D, Dell'Antonio G, Luzi L, Zerbini G. C-peptide increases the expression of vasopressin-activated calcium-mobilizing receptor gene through a G protein-dependent pathway. *Eur J Endocrinol.* 2005 Jan;152(1):135-41. Impact Factor = 2.941
- Perseghin G, Fiorina P, De Corbelli F, Scifo P, Esposito A, Canu T, Danna M, Grecizzi C, Secchi A, Luzi L, Del Maschio A. Cross-Sectional assessment of the effect of kidney and kidney-pancreas transplantation on resting left ventricular energy metabolism in type 1 diabetic-uremic patients. *J.A.C.C.* 2005,46(6),1085-92. Impact Factor = 9.133
- Perseghin G, Lattuada G, De Cobelli F, Esposito A, Costantino F, Canu T, Scifo P, De Taddeo F, Maffi P, Secchi A, Del Maschio A, Luzi L. Reduced intrahepatic fat content is associated with increased whole-body lipid oxidation in patients with type 1 diabetes. *Diabetologia*, 2005, Dec;48(12):2615-21. Impact Factor = 5.689
- Terruzzi I, Pellegatta F, Luzi L. Differential p70S6k and 4E-BP1 regulation by insulin and amino acids in vascular endothelial and smooth muscle cells. *Acta Diabetol.* 2005 Oct;42(3):139-46. Impact Factor = 1.619
- Luzi L, Meneghini E, Oggionni S, Tambussi G, Piceni-Sereni L, Lazzarin A. Low-dose Growth Hormone treatment reduces trunkal adiposity in HIV-infected patients with lipodystrophy: results of a randomized placebo control study. *Eur J Endocrinol.* 2005 Dec;153(6):781-9. Impact Factor = 2.941
- Perseghin G, Burska A, Lattuada G, Alberti G, Costantino F, Ragogna F, Oggionni S, Scollo A, Terruzzi I,



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- Pellegatta F, Catapano AL, Luzi L, Terruzzi I. In human endothelial cells amino acids inhibit insulin-induced Akt and ERK1/2 phosphorylation by an mTOR-dependent mechanism. *J Cardiovasc Pharmacol*. 2006 May;47(5):643-9 IF 1.313
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- Perseghin G, Lattuada G, De Cobelli F, Ntali G, Esposito A, Burska A, Belloni E, Canu T, Ragona F, Scifo P, Del Maschio A, Luzi L. Serum resistin and hepatic fat content in nondiabetic individuals. *J Clin Endocrinol Metab*. 2006 Dec;91(12):5122-5. IF 6.020
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Benedini S, Fiocchi R, Battezzati A, Sereni Piceni L, Gamba A, Mammanna C, Bevilacqua M, Perseghin G, Luzi L. Atrial natriuretic peptide in diabetic and nondiabetic patients with and without heart transplantation. *Transpl P* 39: 1580-1585, 2007. IF 1.027

Perseghin G, De Cobelli F, Esposito A, Lattuada G, Terruzzi I, La Torre A, Belloni E, Canu T, Scifo P, Del Maschio A, Luzi L, Alberti G. Effect of the sporting discipline on the right and left ventricular morphology and function of elite male track runners; a magnetic resonance imaging and <sup>31</sup>P-spectroscopy study. *Am Heart J* 154: 937-942, 2007 IF 3,649

Caumo A, Guffanti M, Perseghin G, Galli L, Lazzarin A, Luzi L, Castagna A. Comments on the paper: Effects of atazanavir/ritonavir and lopinavir/ritonavir on glucose uptake and insulin sensitivity: demonstrable differences in vitro and clinically by Noor MA, Flint OP, Maa JF, Parker RA. *AIDS.* 2007 Nov 12;21(17):2366-7. IF 5,842

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Visioli F, Poli A, Peracino A, Luzi L, Cannella C, Paoletti R. Assessment of nutritional profiles: a novel system based on a comprehensive approach. *Br J Nutr.* 2007 Dec;98(6):1101-7. Review. IF 2,339

Terruzzi I, Senesi P, Fermo I, Lattuada G, Luzi L. Are genetic variants of the methyl group metabolism enzymes risk factors predisposing to obesity? *J Endocrinol Invest.* 2007 Oct;30(9):747-53 IF 2,021

G. Perseghin, G. Lattuada, F. De Cobelli, A. Esposito, E. Belloni, G. Ntali, T. Canu, F. Ragogna, P. Scifo, A. Del Maschio, L. Luzi. Increased mediastinal fat and impaired left ventricular energy metabolism in young men with newly found fatty liver, *Hepatology* 2008 47(1):51-58. IF 10,734

Benedini S, Terruzzi I, Lazzarin A, Luzi L. Recombinant Human Growth Hormone. Rationale for use in the treatment HIV-associated lipodystrophy. *Biodrugs* 2008, 22(2): 101-112 IF 2,273

Caumo A, Maffi P, Nano R, Bertuzzi F, Luzi L, Secchi A, Bonifacio E, Piemonti L. Transplant estimated function: a simple index to evaluate beta-cell secretion after islet transplantation. *Diabetes Care.* 2008 Feb;31(2):301-5 IF 7.851

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Luzi L, Zoppini G, Targher G, Battezzati A, Muggeo M, Bonora E.. Insulin effect on serum potassium and auto-inhibition of insulin secretion is intact in a patient with leprechaunism despite severe impairment of substrates metabolism. Diabetes Metab Res Rev. 2008 Mar-Apr;24(3):205-10. IF 3,087

Benedini S, Ruffini E, Terruzzi I, Mancuso M, Luzi L. Glucose and leucine metabolism in lung transplanted patients on low dose of steroids for immunosuppressive therapy. Transplant Proc. 2008 Jun;40(5):1566-71. IF 1,027

Benedini S, Cortelli P, Caumo A, Terruzzi I, Beelke M, Perseghin G, Montagna P, Luzi L. Insulin resistance to both glucose and aminoacid metabolism in a patient with Fatal Familial Insomnia. Nutr Metab Cardiovasc Dis, 2008 Nov;18(9):e47-8. IF= 3.174

Battezzati A, Benedini S, Piceni Sereni L, De Taddeo F, Maffi P, Secchi A, Luzi L. Protein and glutamine kinetics during counterregulatory failure in type 1 diabetes. Nutr Metab Cardiovasc Dis, 2008, Aug 5. IF= 3.174

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