BIOGRAPHICAL SKETCH

NAME	POSITION TITLE: Director of the Institute of Clinical Physiology National Council Research (CNR)
Iervasi, Giorgio	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
University of Pisa, Pisa, Italy	MD	1978	Medicine
University of Pisa, Pisa, Italy	Specialization	1983	Internal Medicine
University of Pisa, Pisa, Italy	Specialization	1986	Nuclear Medicine

PERSONAL STATEMENT

Using inter-disciplinary and translational approaches over the past 30 years, my research activity has focused in the cardio-endocrine-metabolic area. Initial studies included development and implementation of novel multi-tracer methods for *in vivo* modeling of thyroid hormones and cardiac peptide metabolism in humans. These new methodologies were subsequently applied to patho-physiological studies investigating the role of altered thyroid hormone and/or cardiac peptide metabolism in cardiac disease, with a special focus on heart failure progression in humans. The last 15-20 years were mostly dedicated to understanding the pathogenic role and clinical implications of mild thyroid dysfunction on cardiac disorders, with particular attention to low T3 syndrome not only a simple biomarker of worse prognosis, but a crucial contributing factor of disease mechanisms favoring progression of heart failure. The major long-term goal of the PI is to provide evidence on the unresolved issue that low T3 resulting from cardiac dysfunction is not protective but maladaptive. If so, thyroid hormone replacement may have a critical therapeutic impact in clinical practice, with more than one million estimated cardiac patients in the USA and Europe as potential beneficiaries of this novel therapy.

MAIN POSITIONS AND HONORS

1991-1997 Invited Professor Post graduate Schools for Doctors (Internal Medicine and Nuclear Medicine Specialties),University of Pisa

1991-99: Professor of Cardiovascular Endocrinology "International Master in Cardiology, Cardiac Surgery and Cardiac Anesthesia" (International Heart School, Bergamo - Italy).

1998-2010 Chief of the Cardiovascular Endocrine Research and Clinical Unit of the C.N.R. Institute of Clinical Physiology/G. Monasterio Foundation

2001-2006 Senior Researcher C.N.R., Institute of Clinical Physiology

2011-2014 Head of Cardiovascular Endocrinology and Metabolism Clinical & Experimental Unit C.N.R./Tuscany Region G Monasterio Foundation

Member: Managing Editor **International Journal of Endocrinology**
Editorial Board: **Frontiers Physiology**
Editorial Board: **Frontiers Endocrinology**
Editorial Board: **World Journal of Diabetes**
Editorial Board: **Journal of Geriatric Cardiology**
Editorial Board: **ISRN Cardiology**

2009 Editor of the Book "Thyroid and Heart Failure From Pathophysiology to Clinics", Springer Verlag Publisher.

Honors

2003 Award as "Featured Article of the Month" by the AEHA International Society (Association for the Eradication of Heart Attack) for the Article: "Low-T3 Syndrome: a strong prognostic predictor of death in patients with heart disease" (Circulation 2003;107:708-713)

OTHER ACTIVITIES

Dr Iervasi serves as Referee for several International Scientific Journals i.e. American Journal of Cardiology, Circulation, Journal of Clinical Endocrinology and Metabolism, Endocrinology, Nature Reviews Endocrinology and Metabolism, Journal of Molecular and Cellular Endocrinology, American Journal of Physiology (Heart and Circulatory section), Clinical Endocrinology, European Journal of Endocrinology, Regulatory Peptides, Medical Science Monitoring, Critical Care, Critical Care Medicine etc

TEN SELECTED RECENT PUBLICATIONS

1. Gerdes M.A., and **Iervasi G.** Thyroid replacement therapy and heart failure. Contemporary Reviews in Cardiovascular Medicine series (**Invited Review**). **Circulation 2010**;122(4):385-393 **I.F. 15.2**
2. Pingitore A., Galli E., Barison A., Iervasi A., Scarlattini M., Nucci D., L'Abbate A., Mariotti R., and **Iervasi G.** Acute effects of triiodothyronine replacement therapy in patients with chronic heart failure and low-T3 syndrome: a randomized, placebo-controlled study. **J Clin Endocrinol Metab. 2008**; 93(4):1351-8 **IF 6.3**
3. **Iervasi G**., Molinaro S., Landi P., Taddei M.C., Galli E., Mariani F., L'Abbate A., Pingitore A. Association between increased mortality and mild thyroid dysfunction in cardiac patients. **Arch Intern Med 2007**; 167(14): 1526-1532 **IF 11.5**
4. Ripoli A., Pingitore A., Favilli B., Bottoni A., Turchi S., Osman N., De Marchi D., Lombardi M., L'Abbate A., and **Iervasi G**. Does subclinical hypothyroidism affect cardiac pump performance? Evidence from a Magnetic Resonance Imaging study. **J Am Coll Cardiol 2005**;45:439-45 **I.F.14.1**
5. **Iervasi G.**, Pingitore A., Landi P., Raciti M., Ripoli A., Scarlattini M., L'Abbate A., Donato L. Low-T3 syndrome: a strong prognostic predictor of death in patients with heart disease. **Circulation 2003**;107:708-713 **I.F. 15.2**
6. Fommei E. and **Iervasi G.** The role of thyroid hormone in blood pression homeostasis: evidence from short-term hypothyroidism in humans. **J Clin Endocrinol Metab 2002**; 87:1996-2000 **I.F. 6.3**
7. Forini F., Paolicchi A., Pizzorusso T., Ratto G.M., Saviozzi M., Vanini V and **Iervasi G.** 3,5,3'-thiiodothyronine deprivation affects phenotype and intracellular (Ca2+)I of human cardiomyocytes in culture **Cardiovasc Res 2001**;51(2):322-3 **IF:6.1**
8. **Iervasi G.**, Clerico A., Pilo A., Sabatino L., Manfredi C., Forini F., Del Chicca M.G., Palmieri C., Ravani M., Donato L. Atrial natriuretic peptide is not degraded by the lungs in humans **J Clin Endocrinol Metab 1998**;83(8):2898-906 **I.F. 6.3**
9. **Iervasi G.**, Clerico A., Pilo A., Vitek F., Berti S., Palmieri C., Ravani M., Sabatino L., Manfredi C., Del Chicca M.G., Biagini A., Donato L. Evidence that atrial natriuretic peptide tissue extraction is not changed by large increases of its plasma levels induced by pacing in humans **J Clin Endocrinol Metab 1997**; 82:884-888 **I.F. 6.3**
10. **Iervasi G.**, Clerico A., Berti S., Pilo A., Biagini A., Bianchi R., Donato L. Altered tissue degradation and distribution of Atrial Natriuretic Peptide in patients with idiopathic dilated cardiomyopathy and its relationship with clinical severity of the disease and sodium handling **Circulation 1995**; 91:2018-27 **IF:15.2**