

# Katherine Esposito

## Curriculum Vitae et Studiorum

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## EDUCATION AND PROFESSIONAL POSITION

- Born in Naples on 16/07/1971.
- High school diploma at “Liceo Classico V. Imbriani” (60/60).
- Medical degree at Second University of Naples (110/110 magna cum laude), discussing an experimental thesis entitled: “Research and identification of platelet antibodies with different methods in immunological pathogenesis of thrombocytopenia.”
- License to practice medicine in the second session of 1996.
- Graduate School of Clinic Pathology, University of Naples: Specialty Degree (magna cum laude): 2001 discussing a thesis on: Interleukins and adhesion molecules in obese women.
- PhD program in Aging and Metabolic diseases – 17° cycle from 29/11/2005, at Second University of Naples
- Assistant Professor of Metabolic Diseases, Second University of Naples, at the Faculty of Medicine and Surgery since January 2005.
- Confirmed Assistant Professor of Endocrinology at Faculty of Medicine and Surgery at “Second University of Naples” since January 2008.
- Associated professor of Endocrinology at Faculty of Medicine and Surgery at Second University of Naples since December 2012
- Full professor of Endocrinology at School of Medicine and Surgery at University of Campania “Luigi Vanvitelli” since November 2014

## TEACHING:

- Professor of “Endocrinology and Metabolic Diseases”, School of Medicine and Surgery of Naples at University of Campania “Luigi Vanvitelli” since 2008

- Member of the Academic Board of the PhD in Translational Medicine of the University of Campania “Luigi Vanvitelli” since 2013
- Professor of “Endocrinology and Metabolic Diseases”, School of Specialization of Geriatrics and Endocrinology at University of Campania “Luigi Vanvitelli” since 2015
- Coordinator of English course of “Endocrinology and Metabolic Diseases” at School of Medicine and Surgery at University of Campania “Luigi Vanvitelli” since 2015

### **Scientific society**

- 2004-2008: Member of the Coordinating Committee of the SID (Italian Society of Diabetology) “Neuropathy” Study Group
- 2006-2010: Member of SID Scientific Committee
- Member of the SIAMS (Italian Society of Andrology and Sexual Medicine) Scientific Committee since 2007.
- Member of SIE (Italian Society of Endocrinology) Board of Scientific Clinical Update.
- 2010-2012: Regional president of SID Campania
- Member of Endotrials Committee and SIE Club since 2011
- Secretary of the Italian Association of Diabetology since May 2013
- Club SIE- Endocrinology and Metabolism of Sport and Physical Exercise, since 2013
- Member of SIE Executive Board since 2015
- Head of the SIE Patient Committee since 2015

### **Editorial Boards**

Member of the Editorial Board of:

- International Journal of Impotence Research
- Metabolic Syndrome and Related Disorders
- Il Diabete, Official Organ of Italian Society of Diabetologia.
- Member of “Expert Group on Low Grade Chronic Inflammation: dietary factors and obesity” of International Life Sciences Institute Europe since 2007.
- Abstract Reviewer for the 72<sup>nd</sup> Scientific Sessions and 73<sup>rd</sup> Scientific Sessions of the American Diabetes Association (2012 and 2013)

### **Participation in research projects:**

- PRIN 2003. Molecular mechanisms of myocardial damage from ischemia under conditions of hyperglycemia and diabetes. Co-financed. Scientific coordinator of the PRIN Dario Giugliano

- Project funded by the Regional Scientific Research: Analysis of mutations and / or polymorphisms in the gene coding for the nuclear receptor PPAR-gamma in patients with or without diabetic retinopathy. Financial year 2005
- Project funded by the Regional Department of Health: Investing in health with lifestyle: looking denied power. Year 2007
- PRIN 2010-2011. Amlet-Androgens, Metabolism, lifestyle, environment: Testicular function for health. Head of the research unit: Katherine Esposito (project Funded)
- POR FESR 2007-2013 Network of Biotechnology in Campania ASSE 2-Obiettivo Operativo 2.1 –BIOTECH “Obiettivo Campania: attenzione al benessere per una crescita economica sostenibile –Campania Amabile”, leader of the research Università di Salerno. Head of the research unit SUN Katherine Esposito, funded project
- PRIN 2015. Defective tissue repair in metabolic disorders: untangling its role and key mechanisms for novel therapeutic approaches. Head of the research unit: Katherine Esposito (project Funded)
- Ricerca Finalizzata 2016 (MIUR). Mediterranean Diet as tool for a better pregnancy outcome: demonstration of its role with epigenetic and inflammatory biomarkers. Leading proponent University of Naples Federico II. Key-personnel Prof. Katherine Esposito
- PRIN 2017. Cardiovascular and sexual/reproductive wellbeing in andro-metabolic disorders: a joint venture between lifestyle and drugs to improve vascular inflammation and oxidative damage (CARDIO-SEX). Scientific coordinator of the PRIN Prof. Katherine Esposito (project Funded)

**Fields of interest :**

Mediterranean diet, Metabolic diseases, Diabetes mellitus, Andrology, Endocrinology

**CLINICAL ACTIVITY :**

- Assigned to Unit of Metabolic Diseases relating to the DAS of Internal Medicine at University Hospital of Second University of Naples (DDG n. 1291 of 17 March 2005)
- Member of the medical staff of Unit of Metabolic Diseases at the University Hospital of Naples and coordinator of the following facilities: Regional Center for Diabetes of the Adult, Outpatient clinic of Sexual Medicine and Metabolic Diseases, Center for the treatment of obesity, eating disorders and the management of lipid disorders, Outpatient clinic of diabetic foot, Outpatient clinic of diabetes and pregnancy, Center for the treatment of type 1 diabetes of the adult
- Representative of the Operative Unit of Diabetology the AOU University of Campania “Luigi Vanvitelli”, 2014-2018

- Integrated care pathways (PDTA) of Diabetes Mellitus, AOU the AOU University of Campania “Luigi Vanvitelli”, (DDG n. 93 of 15 November 2016)
- Integrated care pathways (PDTA) of Diabetic Foot, the AOU University of Campania “Luigi Vanvitelli”, (DDG n. 127 of 23 February 2017)
- Director of Unit of Diabetology the AOU the AOU University of Campania “Luigi Vanvitelli” since 2018

## **SCIENTIFIC RESEARCH ACTIVITIES:**

The research of Prof. Esposito was held at the Center for Transfusion and Immunohematology, Regional Reference Center for Transplantation, 1996-2000, at the laboratories of coagulation and molecular biology of the Institute of General Pathology since 2000 to 2001, and at the laboratories of the Department of Gerontology, Geriatrics and metabolic Diseases from 2001 to date.

Prof. Esposito is author of more than 300 publications with impact factor (total IF> 2000), citations 18796, H-index 68 (Scopus), rank 51 among the Top Italian Scientists (May 2019). Throughout the whole career Prof. Esposito has held numerous lectures in National and International Congress.

Award career 2017 by the Italian Society of Endocrinology.

Prof. Esposito is referee for New England Journal of Medicine, The Lancet, JAMA, Annals of Internal Medicine, Circulation, Diabetes Care, Journal Clinical Endocrinology and Metabolism, European Journal of Clinical Nutrition, European Journal of Endocrinology, Diabetes, Diabetologia, Journal of Sexual Medicine, Endocrine, International Journal of Impotence Research, Journal of the American College of Nutrition, Obesity Research.

She is Member of the Researcher Club of the National Observatory on woman health (ONDA).

Collaboration with international research group on sexual medicine and cardio-metabolic risk (Prof. David Meldrum, Prof. Louis Ignarro, University of California, Los Angeles, USA), Mediterranean diet and cardio-metabolic risk (Prof. Demosthenes Panagiotakos, Harokopio University, Athens, Greece), type 2 diabetes therapy (Prof. Antonio Ceriello, Institut d'Investigacions Biomèdiques August Pi i Sunyer, Barcelona, Spain) with production of reviews and recommendations of paramount importance in scientific literature.