

PERSONAL INFORMATION

Elettra Mancuso



Sex Female | Date of birth 25/07/1988 | Nationality Italian

EDUCATION AND TRAINING

31/10/2014-31/10/2017

**Ph.D. in Biomarkers of Chronic and Complex Diseases**

EQF level 8

University "Magna Graecia" of Catanzaro, Catanzaro (Italy)

- Thesis: "Novel molecular mechanisms and pharmacological effects for the modulation of dysglycemia"
- Final grade: 20/03/2018

2011/12-2013/14

**M.Sc. in Cellular and Molecular Biology**

EQF level 7

University of Rome Tor Vergata, Roma (Italy)

- Thesis: "Regulation of the transport system OCTN1 by the proton gradient and by the membrane potential"
- Final grade: 106/110

2007/08-2010/11

**B.Sc. in Biology**

EQF level 6

University of Calabria (UNICAL), Cosenza (Italy)

- Thesis: "*Clostridium perfringens* and aliments"
- Final grade: 105/110

2007

**High school diploma**

EQF level 4

Classical Academy "F. Fiorentino", Lamezia Terme (Italy)

- Foreign languages experimentation: English
- Final grade: 100/100

WORK EXPERIENCE

1/11/2016-31/10/2017

**Visiting Research PhD Student, August Pi i Sunyer Biomedical Research Institute (IDIBAPS)**

Division of Liver, Digestive System and Metabolism  
Under the supervision of Prof. Antonio Ceriello

Research activity encompassed bench work (Real Time PCR, Real Time RT PCR, Western, immunohistochemical and immunofluorescence technics, microfluidics, exosome isolation by ultracentrifugation and microbeads).

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B1	B1	B2
CEFR level B1					
Espanol	B1	B1	B1	B1	B1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user  
[Common European Framework of Reference for Languages](#)

Job-related skills Research interests:

- Type 2 diabetes mellius, obesity, cardiovascular diseases and hypertension
- Molecular mechanisms of insulin resistance, endothelial dysfunction and cardiovascular disease
- Inflammation, oxidative stress and endothelial reticulum stress
- Role of IGF-1 in metabolic disease
- Molecular biomarkers
- Senescence and sasp
- Pharmacological study *in vitro*

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Proficient user	Proficient user	Proficient user	Proficient user	Proficient user

Levels: Basic user - Independent user - Proficient user  
[Digital competences - Self-assessment grid](#)

ECDL-IT SECURITY Specialized level

- Appliations and softwares: Office, photoshop, imageready, illustrator, indesign
- Programming languages: HTML

Driving licence B

ADDITIONAL INFORMATION

- Certifications** 2015 **National board for Biologists**, University of Calabria, Cosenza, Italy
- Publications** Author/co-author of 9 original papers published in peer-reviewed journals indexed on PubMed, ISI web of Science and Scopus.
- Conferences**
- International Symposium on Insulin Receptor and Insulin Action, 20-22 Aprile 2017, Nice, France  
Title: Insulin-like growth factor-1 (IGF-1) is a negative modulator of glucagon secretion  
Role: poster presentation
- 117° National Congress SIMI, Congress Center 14-16 Ottobre 2016, Rome, Italy  
Title: Insulin-like growth factor-1 (IGF-1) is a negative modulator of glucagon secretion  
Role: poster presentation
- 26° National Congress SID, 4-7 Maggio 2016, Rimini, Italy  
Title: Insulin-like growth factor-1 (IGF-1) is a negative modulator of glucagon secretion  
Role: Oral communication
- Course** Berlin, Germany  
6th DZD Diabetes Research School
- Data and privacy** I hereby certify that all information stated in this resume is true and complete to the best of my knowledge.  
In compliance with the Italian Legislative Decree no. 196 dated 30/06/2003, I hereby authorize the recipient of this document to use and process my personal details

### **Full list of original publications by Elettra Mancuso on peer-reviewed journals**

- Mannino GC, Fuoco A, Marini MA, Spiga R, Di Fatta C, **Mancuso E**, Perticone F, Andreozzi F, Sesti G. The polymorphism rs35767 at IGF1 locus is associated with serum urate levels. *Sci Rep*. 2018 Aug 16;8(1):12255. doi: 10.1038/s41598-018-29665-3.
- De Nigris V., Prattichizzo F, **Mancuso E**, Spiga R, Pujadas G, Ceriello A. Teneilglipitin enhances the beneficial effects of GLP-1 in endothelial cells exposed to hyperglycemic conditions. *Oncotarget*, doi: 10.18632/oncotarget.22849
- Prattichizzo F, De Nigris V, **Mancuso E**, Spiga R, Giuliani A, Matakchione G, Lazzarini R, Marcheselli F, Recchioni R, Testa R, La Sala L, Rippo MR, Procopio AD, Olivieri F, Ceriello A. Short-term sustained hyperglycaemia fosters an archetypal senescence-associated secretory phenotype in endothelial cells and macrophages. *Redox Biol*. 2017 Dec 6;15:170-181. doi: 10.1016/j.redox.2017.12.001. [Epub ahead of print]
- Prattichizzo F, De Nigris V, Spiga R, **Mancuso E**, La Sala L, Antonicelli R, Testa R, Procopio AD, Olivieri F, Ceriello A. Inflammageing and metaflammation: The yin and yang of type 2 diabetes. *Ageing Research Reviews*. 2017 Oct 31;41:1-17 doi: 10.1016/j.arr.2017.10.003 [Epub ahead of print]
- **Mancuso E**, Mannino GC, Fatta CD, Fuoco A, Spiga R, Andreozzi F, Sesti G. Insulin-like growth factor-1 is a negative modulator of glucagon secretion., *Oncotarget*. 2017 Jun 16;8(31):51719-51732. doi: 10.18632/oncotarget.18514.
- Andreozzi F, Mannino GC, **Mancuso E**, Spiga R, Perticone F, Sesti G. Plasma kisspeptin levels are associated with insulin secretion in nondiabetic individuals. *PLoS One*. 2017 Jun 1;12(6):e0179834. doi: 10.1371/journal.pone.0179834.
- Spiga R, Marini MA, **Mancuso E**, Di Fatta C, Fuoco A, Perticone F, Andreozzi F, Mannino GC, Sesti G. Uric Acid Is Associated With Inflammatory Biomarkers and Induces Inflammation Via Activating the NF- $\kappa$ B Signaling Pathway in HepG2 Cells., *Arterioscler Thromb Vasc Biol*. 2017 Jun; 37(6):1241-1249. doi:10.1161/ATVBAHA.117.309128
- Hribal ML, **Mancuso E**, Spiga R, Mannino GC, Fiorentino TV, Andreozzi F, Sesti G., PHLPP phosphatases as a therapeutic target in insulin resistance-related diseases., *Expert Opin Ther Targets*. 2016, 20(6):663-75. doi: 10.1517/14728222.2016.1130822
- Fiorentino TV, Procopio T, **Mancuso E**, Arcidiacono GP, Andreozzi F, Arturi F, Sciacqua A, Perticone F, Hribal ML, Sesti G. SRT1720 counteracts glucosamine-induced endoplasmic reticulum stress and endothelial dysfunction. *Cardiovasc Res*. 2015 Jul 15;107(2):295-306. doi: 10.1093/cvr/cvv169. Epub 2015 Jun 2. doi: 10.1093/cvr/cvv169