

**DEPARTMENT OF MEDICAL-SURGICAL SCIENCES AND BIOTECHNOLOGIES****CURRICULUM VITAE****ROBERTO CARNEVALE****PERSONAL INFORMATION****Name and Surname:**

Roberto Carnevale

Date of birth:

Fondi, 06 Dicembre 1974

Marital status:

Married, two children

Actual position:

Associate professor

Settore Scientifico-Disciplinare:

BIO/13 Applied Biology

Concoursual sector:

05/F1 Applied Biology

Department

Medical-Surgical Sciences and Biotechnologies

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Corso della Repubblica, 79 Latina / Viale del policlinico 155 Roma – I Clinica Medica

EDUCATION

- 2000
Master of Science Biology
University of Rome “La Sapienza”
- 2001
Qualified as biologist
- 2003
PhD in “Human Pathology”
University of Rome “La Sapienza”

WORK EXPERIENCE

- 2004-2006
Reserch Fellow
Department of Experimental Medicine and Pathology, University of Rome “La Sapienza”
- 2006-2008
Reserch Fellow
Department of Experimental Medicine, University of Rome “La Sapienza”
- 2008-2010
Reserch Fellow
Department of Experimental Medicine, University of Rome “La Sapienza”
- 2011-2012
Coordinated and continuous collaborator
Department of Internal Medicine and Medical Specialties, University of Rome “La Sapienza”
- 2012-2014
Reserch Fellow (L.240/210)
Department of Internal Medicine and Medical Specialties, University of Rome “La Sapienza”
- 2014-2015
Reserch Fellow (L.240/210)



Department of Medical-Surgical Sciences and Biotechnologies, University of Rome
“La Sapienza”

NATIONAL AND INTERNATIONAL SCIENTIFIC SOCIETY

- 2017, Member of Italian Association of Biology and Genetics (A.I.B.G.)
- 2018, Member of Italian Society of Atherosclerosis (SISA)

EDITORIAL COMMITTEES OF PEER-REVIEWED SCIENTIFIC JOURNALS

- 2014 Austin Journal of Vascular Medicine, Editorial Board
- 2018 Oxidative Medicine and Cellular Longevity, Academic Editor
- 2018 Antioxidant, Academic Editor

REVIEWER OF PEER- REVIEWED SCIENTIFIC JOURNALS

Antioxidant, Archive of Medical Science, Atherosclerosis, Biochemistry and Molecular Biology, Biomedicine & Pharmacotherapy, British journal of clinical pharmacology, Clinical Nutrition, International Journal of Cardiology, International Journal of Chronic Obstructive Pulmonary Disease, International Journal of Medicine, Journal of Functional Food, Journal of Human Nutrition and Dietetics, Obesity Review, Oxidative medicine and cellular longevity, Plos One, Redox Biology, Scientific Reports, SOJB, Thrombosis and Haemostasis.

HONORS AND AWARDS

- Since 2017 he has been on the list of Top Italian Scientists
(http://www.topitalianscientists.org/Top_italian_scientists_VIA-Academy.aspx)

RESEARCH PROJECTS

- 2016, Italian Ministry of Health, GR-2013-02355401. Principal Investigator. “The role of autophagy as a protective mechanism in cardiovascular diseases: new insights into oxidative stress modulation and cardiovascular regeneration”.
Financed: **383687** euro.
- 2016, University of Rome “La Sapienza”. Unit. “Study of the determinants of the rate of platelet activation in physiological and pathological conditions”.
Financed: **47000** euro.



- 2017, University of Rome “La Sapienza”, number RM11715C62C29647. Principal Investigator. “Microbiota intestinale e aterosclerosi: ruolo dell'attivazione della Nox2 mediata da LPS nella progressione della placca carotidea”.
Financed: **8000** euro.
- 2017, University of Rome “La Sapienza”.
Financed: **3000** euro.
- 2018, University of Rome “La Sapienza”. Cooperation projects with universities in developing countries. "Training, updating and research project for the prevention, diagnosis and treatment of cardiovascular disease in the Republic of Moldova.
Financed: **8000** euro

PATENTS

- “Use of a mixture of catechins and epicatechin for inhibition of platelet function”. Patent status: patented the 14/11/2014 number 0001411385
- “Evaluation of the scavenger activity in a biological sample and related methods”. Patent status: filed the 12/06/2017, number 102017000064897.
- “Diagnostic procedure for the determination of the Nox2 protein ”. Patent status: filed the 07/12/2017, number 102017000141849.
- “Diagnostic method for determination Nox2 protein”. Patent status: filed the 04/12/2018, number EP18210247.5.
- " Oleuropein for use in reducing post-prandial glycaemia”. Patent status: filed the 07/12/2017, number 102017000141832.
- “Oleuropein for use in reducing post-prandial glycaemia”. Patent status: filed the 04/12/2018, number PCT/IB2018/059608.
- “Antioxidant composition”. Patent status: filed the 10/10/2018, number 102018000009311.
- “Diagnostic method for determining Nox2 protein”. Patent status: filed the 04/12/2018, number 18210247.5.
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CLINICAL TRIAL

- *ClinicalTrials.gov Identifier: NCT03301129*. Titolo: “Effects on Oxidative Stress and Platelet Activation of Traditional Cigarettes, E-cigarettes and IQOS Cigarettes: A Randomized in Vivo Study.” Responsible.



- *ClinicalTrials.gov Identifier: NCT03288623*. Titolo: “The Effects of Dark Chocolate Implementation in the Reduction of Oxidative Stress and Improvement of Vascular Function and Physical Performance in Elite Athletes”. Collaborators.

ELIGIBLE TO BE APPOINTED AS ASSOCIATE PROFESSOR

- **05/F1- Applied Biology.**
- 05/E1- General Biochemistry and Clinical Biochemistry.
- 05/E2- Molecular Biology.
- 06/N1- Health Professions and Applied Medical Technologies Sciences.

BIBLIOMETRIC INDEXES (21/12/2018)

- Total publications (SCOPUS): 131
- Total citations (SCOPUS): 2667
- Number of average citations per publication (SCOPUS): 19.20
- H-Index (SCOPUS): 29
- H-Index last 10 years (SCOPUS): 23
- Total Impact factor: 752.57
- Average impact factor for publication: 5.74

SCIENTIFIC TOPICS

- Cellular and molecular mechanisms related to the atherosclerotic process;
- Role of NADPH oxidase in cardiovascular diseases;
- Role of platelets in atherosclerotic phenomena and antioxidant therapies in cardiovascular pathology;
- Role of NADPH oxidase in acute ischemia-reperfusion lung injury: new tools for regenerative medicine (EVLP);
- Role of lipopolysaccharide in the mechanisms of platelet activation, atherosclerosis and thrombosis;
- Cellular and molecular mechanisms related to autophagy and oxidative stress in cardiovascular diseases

ORAL COMUNICATIONS AND ABSTRACT PRESENTED AT NATIONAL AND INTERNATIONAL CONGRESSES



- **VII Riunione Gruppo di Studio delle Piastrine (GSP).** Montefiascone 15-17 ottobre 2006. Oral communication “LDL are oxidatively modified by platelets via GP91phox and accumulate into human monocytes”.
- **VIII Riunione Gruppo di Studio delle Piastrine (GSP).** Lonigo 7-8 ottobre 2007. Comunicazione orale “Tumor necrosis factor alpha up-regulates platelets CD40L in patients with heart failure”.
- **IX Riunione Gruppo di Studio delle Piastrine (GSP).** San Pellegrino Terme 12-14 Ottobre 2008. Oral communication “Up-regulation of platelet gp1phox in patients with hypercholesterolemia. Relationship with urinary isoprostanes”.
- **Società Italiana Studio Emostasi e Trombosi (SISET).** Bologna 2010. Oral communication “Atorvastatin inhibits oxidative stress via adiponectin-mediated NADPH oxidase down-regulation in hypercholesterolemic patients”.
- **Conoscere e curare il cuore.** Firenze 2018. Oral communication “Predictors of oxidative stress and vascular function in an experimental study of tobacco versus electronic cigarettes: a post-hoc analysis of the SUR-VAPES 1”
- **Società Italiana Studio Emostasi e Trombosi (SISET).** Firenze 2018. Oral communication “PCSK9 as a predictor of cardiovascular events in atrial fibrillation: role of platelet activation”.
- **Società Italiana Studio Emostasi e Trombosi (SISET).** Firenze 2018. Oral Communication “PCSK9 as a predictor of cardiovascular events in atrial fibrillation: role of platelet activation”.
- **SISA.** Roma 2019. Oral Communication “LPS and PCSK9”.

he is the author of more than 40 abstracts presented at national and international scientific congresses.

TEACHING ACTIVITY

- Medicine and Surgery Course "E", sede di Latina (*Biology and Genetics I e II*)
- Nursing - Frosinone Umberto I L/SNT1 (*Applied Biology and Medical Genetics*)
- Nursing - ASL Latina Formia – Gaeta L/SNT1 (*Human anatomy*)
- Nursing - Roma Azienda Policlinico Umberto I L/SNT1 (*Epidemiology*)
- Dental hygiene - ASL Latina L/SNT3 (*Applied Biology*)

**COLLEGE OF DOCTORATE SCHOOL**

- 2017-present. Board Member of PhD Programme in “Morphogenesis and tissue engineering”.

SCIENTIFIC PUBLICATIONS

He is author of 131 publications in scientific journals (see attached)

CHAPTERS BOOKS

- 2018. Book: "Effect of smoking on oxidative stress and vascular function" IntechOpen (ISBN 978-953-51-6072-4); Roberto Carnevale, Vittoria Cammisotto, Francesca Pagano and Cristina Nocella, Capitolo del libro "Smoking Prevention and Cessation."
- 2018. Book: “Algoritmi diagnostico-terapeutici in medicina interna; EDRA S.p.A. (ISBN 978-88-214-4924-6).