

## **Curriculum Vitae** **CARBONE ENNIO**

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### **Current Position:**

Full Professor, University of Catanzaro “Magna Graecia” Italian Ministry of University and Research.

Adjunct Faculty Member, Department of Microbiology, Tumor and Cell Biology (MTC), Karolinska Institutet, Stockholm, Sweden

### **Previous Positions:**

- a) Permanent Position, Associate Professor, University of Catanzaro “Magna Graecia” Ministry of University and Research. (2006-2010)
- b) Permanent Position, Assitent Professor, Univesrity of Catanzaro “Magna Graecia” Ministry of University and Research.(2000-2006)
- c) EU-Marie Curie Postdoc fellow 1998-2000. (European Union grant, Karolinska Institutet).

### **Education:**

2006 Associate Professor at University Magna Graecia of Catanzaro and adjunct at Microbiology and Tumorbiology Department (MTC) Karolinska Institutet, Stockholm, Sweden.

2004-to date Member of the Director Board of the Advanced Immunology School “Ruggero Ceppellini” Naples.

2000-2006 University Researcher at the Experimental and Clinical Medicine Department at the University of Catanzaro “Magna Graecia ”, School of Medicine and Surgery.

1998-1999 Two years EU-TMR grants fellowship at the MTC-KI Stockholm, Sweden. (Prof Klas Karre)

1995-1996 Awarded of a two year post doctoral fellowship at the National Tumor Institute of Naples. (Prof Serafino Zappacosta)

1993-1994 Postdoc at Department of Molecular and Cell Biology and Pathology, University of Naples Federico II, Supported by one year Italian Association for Cancer Research (AIRC) fellowship and Italian Ministry of University and Research.

1989-1993 PhD in Molecular Pathology, PhD Thesis Title: Regulation of NK cells by different HLA-class I isoforms. Thesis Defense 1994, Rome.

1987 MD; University of Naples “Federico II”

### **Scientific Interest:**

Innate immunity regulation by MHC class I molecules. The role of NK and Dendritic cells in

physiology and pathology. The role of NK cells in the control of tumor metastatization. NK cells and cancer therapy.

**1.1) Scientific production:**

**1.1.1) Total amount of full papers: 58, reviews: 6**

**1.1.2) Total amount of quotation citation index (3459), H-index (27).**

**Teaching 2018-2019:**

**CDS Medicine and Surgery: General Pathology I , General Pathology II (Immunopathology).**

**CDS Bioinformatic Ingeenering: Physiopathology**

**CDS Biotechnology: Immunobiology**

**CDS Odontoiatry: Pathology**

**Research Group:**

**Laboratory:** Laboratory of Tumor Immunology and Immunopathology (LITIP)

**Group Members:**

Dr. Cristiani Costanza M. (Assegnista di Ricerca , Associate Researcher)

Dr. Garofalo Cinzia (Assegnista di Ricerca , Associate Researcher)

Dr. Carmela Passacatini (PhD Student)

Dr. Chiara Siracusa (Batchelor Thesis Student)

Dr Sottile Rosa (Researcher at Sloan Kettering, New York, US)

Prof. Johansson Maria (MTC, Karolinska Institutet, Stockholm)

**Research Activity:**

Innate immunity regulation by MHC class I molecules. The role of NK and Dendritic cells in physiology and pathology. The role of NK cells in the control of tumor metastatization. Immune effectors mechanism in the cancer Physiopathology and therapy. Cancer Immune therapy. Cancer Patients Immune profile and theranostic biomarkers production.

## 1.2 Scientific collaboration and external research grants:

### 1.2.1 National and international collaborative projects.

- a. New Combined Cancer Therapy, small molecules drugs (RITA) and immune system activation. Collaboration with **Galina Selivanova** MTC-KI and for the melanoma studies **Giorgio Parmiani**, HSR Fondazione San Raffaele, **Andrea Anichini**, Istituto Tumori Milano, Italy.
- b. Hematological Tumor progression and NK surveillance is a Italian Cancer. Society (AIRC) funded project based on the following laboratories network: University Magna Graecia (Carbone lab), Heidelberg German Cancer Society (DKFZ) **Dirk Schadendorf** Lab, Cambridge University, King's College **Francesco Colucci** Lab
- c. NKG2D ligand induction by mechanical stress is supported by MIUR and involve the collaboration between Carbone lab , **Enzo di Frabrizio** from the Italian Institute of Technology , Genoa and Nanotechnology facility, UMG Catanzaro **Giacinto Scoles** Chemistry, Princeton University, Princeton, USA
- d. NK and Myeloma recognition, **Daniela Pende** National Tumor Institute of Genova, **Lorenzo Moretta** G. Gaslini Foundation, Genova Italy, **Veronika Groh** Fred Hutchinson Cancer Center Seattle, **Soldano Ferrone** Pittsburgh University, USA, **Andrea Velardi and Loredana Ruggieri** University of Perugia , Italy
- e. NK-DC cross talk in autoimmune disease ; **Bana Jabri** University of Chicago USA, **Riccardo Troncone** and **Salvatore Auricchio**, **Serafino Zappacosta** University of Naples Federico II.
- f. CMV and immunesurveillance: **Louise Berg** and **Klas Kärre** MTC-KI