

## VITTORIO GENTILE

Researcher in Biochemistry



### CV VITAE ET STUDIORUM:

**Date and place of birth:** July 06, 1960; Torre del Greco, Naples, Italy. **1978-1984:** -M.D., 1st Medical School, University of Naples with Summa cum Laude. Thesis: "The role of polyamines in MSO-induced seizures". **1984-1991:** -Speciality Diploma with 50/50, 1st Medical School, University of Naples; Neurology Program. **1986-1990:** -Ph.D. in Biochemical Sciences, 1st Medical School, University of Naples and Bari. Thesis: "Cloning, characterisation and stable expression in Balb-c 3T3 cells of the human tissue transglutaminase cDNA from endothelial cells". Researcher in Biochemistry since the 01\10\2001 at the Department of Biochemistry, Biophysics and General Pathology, Second University of Naples, Italy.

### PRIZES AND AWARDS:

**1986:** -Winner of a public competition for a fellowship from the Istituto Superiore di Sanità, Roma, Italy. **1987:** -Winner of a public competition for a fellowship from the Istituto Superiore di Sanità, Roma, Italy. -Winner of a public competition for Ph.D. student fellowship in Biochemical Sciences, 1st Medical School, University of Naples and Bari. **1988:** -Winner of a public competition for a fellowship from the Istituto Superiore di Sanità, Roma, Italy. Winner of a fellowship from the Italian Society of Biochemistry.

### PROFESSIONAL EXPERIENCE:

**1980-1984:** -Internship at the Department of Biochemistry and Biophysics, University of Naples; **1984-1985:** -Post-doctoral fellow at the same institution; **1986:** -Fellow at the Laboratorio di Tossicologia Comparata ed Ecotossicologia, Istituto Superiore di Sanità, Roma, Italy; **1987-1988:** -Fellow at the Department of Biochemistry and Biophysics, University of Naples; **1988-1991:** -Fellow at the Department of Pharmacology, University of Texas-Medical School, Houston.; **1991:** -Scientific consultant for Fidia Inc., Abano Terme; **1992-1993:** -Visiting assistant professor at the Department of Pharmacology, University of Texas-Medical School at Houston; **1991-2001:** -Research assistant at the Department of Biochemistry, Biophysics and General Pathology, II University of Naples; **2001-to date:** Aggregate professor of Biochemistry at the Department of Biochemistry, Biophysics and General Pathology, II University of Naples; **2014:** National Scientific Qualification as associate professor in General Biochemistry and Clinical Biochemistry.

### GRANTS:

**-Telethon (Italian Association for Neuromuscular and Genetic Diseases) 1995-97 and 1998-2000:** A biochemical mechanism for CAG triplet diseases: a glutamine expansion that can produce new substrates for transglutaminase activity in degenerating neuronal cells. **-Italian Association for Cancer Research (Associazione Italiana per la Ricerca sul Cancro, AIRC) 1995-97:** Possible role of the endothelial cell transglutaminase as mediator of cancer cell adhesivity. (Possibile ruolo della transglutaminasi da cellule endoteliali quale mediatore dell'adesione di cellule neoplastiche). **-Tempus project (European Community) 1996-1998:** "A novel graduate training program for Medical Biologist" in collaboration with: the University of Debrecen (Hungary), the Karolinska Institut of Stockholm (Sweden), the International Forum for Biophilosophy of Leuven (Belgium) and the Second University of Naples (Italy). Project Co-ordinator: prof. Balazs Gulyas, Laboratory for Brain Research and PET, Nobel Institute of Neurophysiology, Karolinska Insitut of Stockholm. -Dr. Gentile participated to the research group responsible for the "Programma di Intervento per la **Promozione della Ricerca Scientifica in Campania, Legge Regionale 31.12.94, n.41 (1996/97/98)**", with the research project entitled: "Uso delle cellule eritroidi fetali prelevate dal sangue materno per la diagnosi prenatale delle malattie genetiche". Project co-ordinator: Prof. A. L. Borrelli. -Dr. Gentile participated to the research group responsible for the "**Programmi di Ricerca Scientifica di Rilevante Interesse Nazionale (2004-2006)**" with the research project entitled: "Alterazioni delle metilazioni di macromolecole nella sindrome di Down". Project co-ordinator: Prof. G. Andria. - Dr. Gentile participated to the research group responsible for the project "Neuroimaging non convenzionale e studi bio-molecolari nella sclerosi laterale amiotrofica (Non-conventional neuroimaging and bio-molecular studies in the amyotrophic lateral sclerosis)", Scientific Co-ordinator Prof. Gioacchino TEDESCHI, financed by **Progetti di Ricerca di Rilevante Interesse Scientifico e Tecnologico 2007**, Seconda Università degli studi di Napoli. - **Progetti di Ricerca Scientifica Finanziabili ai sensi della L.R. N.5 del 28.03.2002, GIUNTA REGIONALE DELLA CAMPANIA ASSESSORATO ALLA RICERCA SCIENTIFICA (2008):** Identificazione e caratterizzazione di geni della transglutaminasi nel Sistema Nervoso in relazione allo sviluppo di malattie neurodegenerative (Identification and characterization of transglutaminase genes in the Nervous System in relationship to the development of neurodegenerative diseases).

### TEACHING ACTIVITIES:

Dr. Gentile has been Cultor of Biochemistry and Enzimology at the Medical School, Second University of Naples from the year 1991 to the year 2001. Dr. Gentile has been Teacher of Molecular Biology at the Doctorate in Digestive and Nutritional Physiopathology, Second University of Naples during the year 1998. Dr. Gentile is Teacher of Cellular Biochemistry for the Residents in Food Sciences, Second University of Naples, during the years 1999-2010. Dr. Gentile is Teacher of Methodologies of Genetic Diagnoses for the Residents in Clinical Biochemistry and Molecular Biology, Second University of Naples, during the years 2000-2010. Dr. Gentile is Teacher of Biochemistry at the Second University of Naples for the Residents in Paediatric Neuropsychiatry since the year 2000, in Neurology since the year 2001 and in Psychiatry since the year 2011. Dr. Gentile is Teacher of Biochemistry in the School for Technicians of the Neuro- and Psicomotricity of the Evolution Age, Second University of

Naples since the year 2003. Dr. Gentile is Teacher of Biochemistry at the Doctorate in Biochemical and Biotechnological Sciences, Second University of Naples, and supervisor of several Ph. D. students and post-docs since the year 2003.

**EDITORIAL BOARD MEMBER:**

- Recent Patents on CNS Drug Discovery (Regional Editor);- Il giornale del linguaggio universale: DNA...; - The Open Pharmacology Journal;- World Journal of Biological Chemistry; - International Journal of Biochemistry and Molecular Biology; - World Journal of Pharmacology; - Journal of Biological Research (Hong Kong); - American Journal of Alzheimer's Disease; - American Journal of Neurodegenerative Disease; - International Journal of Genetics and Genomics; - Journal of Aging and Gerontology; - VRI Biological Medicinal Chemistry; - Austin Journal of Genetics and Genomic Research; - Chemical Science Communication; - The Open Conference Proceedings Journal; - Journal of Biology and Earth Sciences; - Biochemistry & Molecular Biology Letters; - International Journal of Laboratory Medicine & Research; - Journal of Biochemistry and Molecular Biology Research; - JSM Enzymology and Protein Science; - BiotechXpress; - Journal of Gene Therapy for Genetic Disorders; -SRL Neurology & Neurosurgery

- Author of n. 68 publications in extenso; n. 1 international patent.