



GAETANO VITALE

CURRENT ROLE

Researcher,

Personal information

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Education and Training

Since January 2005

University of Udine

Researcher in the scientific-disciplinary sector SSD MED/04 (General Pathology) at the Faculty of Medicine and Surgery. Confirmed role of Researcher in January 2008.

2000-2003

University of Udine

Expert in the subject of Immunology appointed by the Council of the Faculty of Medicine and Surgery.

6/24/1999

Ruprecht-Karls University of Heidelberg

"Doktors Der Naturwissenschaften" (Dr. Rer. Nat.) with final evaluation magna cum laude. Thesis title: "Isolation and Characterization of Rabaptin-5, an effector Molecule for the Small GTPase Rab5" Recognized as equivalent to the title of PhD pursuant to article 74 of Presidential Decree 382/80 by decree of the Minister of Scientific and Technological Research, prot. no. 114 of 10.30.2000.

4.3.1992

University of Padua

Degree in Biological Sciences obtained with a final grade of 110/110, cum laude. Thesis title: "Metastatic properties of murine melanoma cell clones expressing the human TGF beta2 gene".

Research activity

January 2005, present.

Tenure-Track (tenured since January 2008) assistant professor ("Ricercatore e professore aggregato") in the academic discipline of Experimental Medicine and Pathophysiology, affiliated with the Department of Medical and Biological Science and the Medical School of the University of Udine. During this period my research was focused on the molecular interactions responsible for the functional specificity of the B cell-specific transcription factor Pax5, with concern of its role in the regulation of B cell maturation and activation (Merluzzi et al., 2008 Mol. Immunol. vol. 45(1):76-86, and more recently on the regulatory suppressive function of B cells in the immune response (Vitale et al. 2010 Mol. Immunol. 48 (1-3) pp. 1-8).

December 2000, December 2004.

. Research associate in the lab of Prof. Carlo Pucillo, University of Udine, working at the functional characterization of the transcription factors Pax-5 and EBF and of the redox APE/Ref-1 and their role in mast cell and B lymphocyte functions (Merluzzi et al., 2004 J. Biol. Chem. 279(3):1777-86, Frossi et al., 2002 J. Cell Phys., 193(2):180-6).

October 97, November 2000.

Postdoctoral work at the University of Padova in the lab of Prof. Cesare Montecucco to study the biochemical action and the cytopathological effects of the Bacillus anthracis Lethal Toxin, a bacterial toxin responsible of systemic anthrax; during this period I spent few months in the lab of Dr Andrea Musacchio and the European Institute of Oncology (IEO, Milan) to establish the conditions for the biochemical purification and crystallization of anthrax lethal factor (Vitale et al., 1998b Biochem. Biophys. Res. Commun. 248(3) 706-711, Vitale et al. 2000 Biochemical J., 352:739-45 e Bernardi et al., 2000 Acta Cryst., sect D, 56(Pt 11):1449-51).

September 1993, September 97.

Ph.D. in Cell Biology at the European Molecular Biology Laboratory (EMBL, Heidelberg) working first at the characterization of a novel and essential yeast gene in the lab of Dr Ed Hurt (Vitale et al., 1996 Gene 178(1-2), 97-106), and then under the supervision of Dr Marino Zerial, working at the identification of an effector molecule for the small GTPase Rab5, a key regulator of endocytic transport (Stenmark et al., Cell 83(3) 423-432, Vitale et al., Cold Spring Harb. Symp. Quant. Biol. LX 211-220, Vitale et al., 1998a EMBO J. 17(7) 1941-1951).

January 1990, August 1993.

Experimental thesis for the diploma degree and postgraduation training at the University of Padua in the lab of Prof. Giorgio Bressan, on the role of the growth factor TGF beta in the formation of cancer metastases, with particular concern at its capacity to modulate extracellular matrix cell adhesion (Marigo et al., 1994 Biochem. Biophys. Res. Commun. 199(2), 1049-1056).

Teaching activity

Adjunct professor and aggregate professor in General Pathology (SSD MED/04), in various teaching modules (Immunology, General Pathology and Physiopathology) at the Degree Courses of the health area of the Faculty of Medicine and Surgery of the University of Udine in starting from the 2001-2002 academic year.

Awards and scholarships

Grant for collaboration in research activities at the Department of Biomedical Sciences and Technologies of the University of Udine (December 2000-March 2004).

Postdoctoral fellowship from the European Molecular Biology Organization (EMBO) (August 1998-September 2000).

Scholarship of the "Ph.D. programme" of the European Molecular Biology Laboratory (EMBL, Heidelberg, Germany) (September 1993-September 1997). Post-doctoral fellowship from the Armenise-Harvard Medical School association (October 1997-July 1998).

Award for the Graduation theme project of the "Consorzio Padova Ricerche" (obtained on 03.13.1992).

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23/03/2023