europass Curriculum vitae

PERSONAL INFORMATION

Rita Zamarchi

Padova (Italy)

WORK EXPERIENCE

1993–2006 **Medical doctor**
Cytological and Molecular Oncology Unit - Azienda Ospedaliera, Padova (Italy)

2006–Present **Medical doctor**
Immunology and Molecular Oncology Unit - IOV-IRCCS
via Gattamelata 64, 35128 Padova (Italy)
www.ioveneto.it

EDUCATION AND TRAINING

1980–1986 Medical degree at the Medical School of the University of Padova, with marks 110/110 cum laude

1986–1989 Oncology at the Medical School of the University of Padova, 70/70 cum laude

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	C2	C1	C1	C2
German					

Levels: A1 and A2: Basic user - B1 and B2: Independent user - C1 and C2: Proficient user
Common European Framework of Reference for Languages

Job-related skills

Research interests:

1) Physiology and pathology of the immune system;

2) Immunologic alterations during HIV infection;

3) Pathogenic mechanisms in models of lymphoma-genesis in immunodeficient hosts;

4) Predictive value and biologic significance of Circulating Tumor Cells (CTC) in solid tumors.

She has over 20-years' experience in the principal techniques of cellular immunology and flow cytometry. She contributed to the discovery of the genetic control of the CD4/CD8 ratio in human (Nat Med 1995; 1: 1279).

From 2006 she deals with predictive value and biologic significance of CTCs in solid tumors, collaborating to several National and International Projects in this field and coordinating the CTC laboratory at the IOV-IRCCS. She developed the algorithm for M30-integrated CTC assay (Clin Can Res 2010; 16:5233). She participates to EPAC group for European Pooled metanalysis of CTCs (Lancet Oncol 2014; 4:406).

Selected Grants

1988-1996: She has collaborated in the European project to study SIV infection of the Macaca

Fascicularis, as animal model of AIDS and in the AIDS project conducted at Institute of Oncology of the University of Padova (PI prof. L. Chieco-Bianchi).

1997-2004: She has collaborated in the AIDS project conducted at Institute of Oncology of the University of Padova (PI prof. A. Amadori).

2003: PI of the study " EBV-associated lymphoproliferation in hu/SCID mice: implication for Chemokine system in lymphoma" (Progetto di Ricerca di Ateneo, University of Padova).

2004-2006: PI of the study " B cell deregulation during HIV infection: role of the HIV-1 matrix protein p17" (ISS–AIDS Project: # 40F.83 and # 40G.60).

2008-2010: She collaborates in the Project Ricerca Sanitaria Finalizzata 2008 conducted at IOV-IRCCS of Padova (PI prof. A. Amadori), entitled "Predictive value and biologic significance of circulating tumour cells (CTC) in solid tumors".

2009-2012: She collaborates in the "Progetto Oncologico di Medicina Molecolare: i tumori femminili" conducted at IOV-IRCCS of Padova (PI prof. P. Zanovello), working in the Task 4 of the Project entitled "Characterization of circulating tumor cells in breast and ovary cancer ".

2010-2012: She coordinates at IOV-IRCCS of Padova the Task 2 ("Evaluation of the CTC") of the Project "Metformin plus chemotherapy in advanced breast cancer: prognostic and predictive tools" (PI A. Gennari, IST Genova), funded by AIRC.

2011-2012: She coordinates the study " Predictive value of Circulating Melanoma Cells (CMC) in anti-BRAF treated Metastatic Melanoma" (IOV-IRCCS of Padova) of the ACC (Alleanza Contro il Cancro)/Project 3 (PI P. Zanovello, University od Padova).

2012-2016: She is the Clinical Coordinator of the study: Specific Programme "Cooperation" – Theme "Health", Call identifier: FP7-HEALTH-2012-INNOVATION-1, Proposal No: 305341-2, Acronym: CTCtrap (https://www.utwente.nl/tnw/ctctrap/).

2015: She won an IMI 11th call on Blood-Based Biomarkers, Proposal entitled: "CANCER-ID: Cancer treatment and monitoring through identification of circulating tumor cells and tumor related nucleic acids in blood" (www.cancer-id.eu/)