

CV MARICA ARVIGO

NAME AND SURNAME	Marica Arvigo
NATIONALITY	Italian
DATE OF BIRTH	16/06/1968
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JOB POSITION	<i>Freelance collaboration</i> IRCCS San Martino Polyclinic Hospital in Genoa, Endocrinology Clinic Unit, project entitled "PHASE III, MULTICENTER, RANDOMIZED, OPEN-LABEL STUDY AIMED AT EVALUATING THE EFFICACY AND SAFETY OF LUTATHERA IN PATIENTS WITH GRADE 2 AND GRADE 3 GASTRO-ENTERO-PANCREATIC NEUROENDOCRINE TUMORS (GEP-NET) IN ADVANCED STAGE. NETTER-2".
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PUBLICATIONS	Extensive work in national and international journals: n. 48 H-index: 22 (Scopus) Quotes: 1318 (Scopus).
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WORK EXPERIENCE

<u>01/08/2024 to date</u>	Freelance contract at IRCCS Policlinico San Martino Hospital, Endocrinology Clinic Unit, to collaborate in the development of the project: "Phase III, multicenter, randomized, open-label study aimed at evaluating the efficacy and safety of Lutathera in patients with advanced grade 2 and grade 3 gastro-entero-pancreatic neuroendocrine tumors (GEP-NETs). NETTER-2".
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<u>01/12/2017-30/11/2023</u>	Research Fellow University of Genoa, Center of Excellence for Biomedical Research (CEBR) and Department of Internal Medicine and Medical Specialties (DIMI), Chair of Endocrinology
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<u>01/12/2012-30/11/2017</u>	Temporary contract - Type A Researcher (RTDA), SSD MED13/Endocrinology University of Genoa, Department of Internal Medicine and Medical Specialties (DIMI) and Center of Excellence for Biomedical Research (CEBR), Chair of Endocrinology
<u>15/09/2011-14/10/2012</u>	Professional assignment <i>"Programming and planning of laboratory experiments, statistical entry and processing of data in databases, graphic transposition of data for the drafting of the annual scientific reports required by the PRIN".</i> University of Genoa, DIMI, Chair of Endocrinology (PRIN 2008).
<u>01/07/2010 – 30/06/2011</u>	Professional assignment <i>"Study of somatostatin and dopamine receptor expression in human prostate cancer tissue and cells: potential role of new bispecific analogs and chimeric molecules in the control of cell proliferation and differentiation"</i> University of Genoa, Center of Excellence for Biomedical Research (CEBR).
<u>15/05/2009 – 14/05/2010</u>	Professional assignment <i>"Physiopathology of somatostatin receptors in pituitary tumors and new therapeutic prospects"</i> University of Genoa, DiSEM/DIMI, Chair of Endocrinology, PRIN 2007.
<u>15/10/2008 – 14/04/2009</u>	Research Fellowship <i>"Somatostatin (SS) and dopamine (DA) receptors: effect of SS analogues (SSA) and of SS/DA chimeric compounds on receptor dimerization in prostate and lung cancer"</i> . University of Genoa, DiSEM, Chair of Endocrinology.
<u>02/01/2008 – 31/05/2008</u>	Professional assignment <i>"Study of the Somatostatin system/Somatostatin receptors and its analogues on the expression of Gastrin Releasing Peptide (GRP) and its receptors (GRP-R) in gastro-intestinal stromal tumors (GIST) and small cell lung cancer (SCLC)".</i> University of Genoa, DiSEM, Chair of Endocrinology.
<u>01/11/2007 – 31/12/2007</u>	Continuous and coordinated contractual relationships based on experimental studies related to the somatostatin system, its receptors and analogues in endocrine diseases. University of Genoa, DiSEM, Chair of Endocrinology.
<u>02/11/2005 – 01/11/2007</u>	Research Grant. Project title: <i>"Role of IGF-IGFBP system, somatostatin (SRIF) and specific somatostatin receptor analogues (SSTR1-5) in cell lines and primary cell cultures"</i> University of Genoa, DiSEM, Chair of Endocrinology.
<u>03/03/2003 – 02/08/2005</u>	Research Grant. Project title: <i>"Interrelation between growth factors, neuropeptides and their specific receptors on differentiation and proliferation of normal and neoplastic cell lines"</i> . University of Genoa, DiSEM, Chair of Endocrinology.
<u>01/03/2002 - 28/02/2003</u>	Scholarship. Project title: <i>"Study of IGF system in children with short stature"</i> . University of Pavia, Department of Paediatric Sciences.
<u>19/02/2002</u>	Occasional service. Project title: <i>"Evaluation of IGF-I plasmatic concentration in rhGH-treated GHD patients"</i> . Funding Entity: Eli Lilly S.p.A

<u>01/07/2001 – 31/12/2001</u>	Continuous and coordinated contractual relationships based on the project " <i>Analysis of the membrane cell phenotype in HIV-positive subjects treated with IL-2</i> ". University of Genoa, DIMI, Chair of Clinical Immunology.
<u>02/01/2001 – 01/03/2001</u>	Occasional service. Project title: " <i>The cytokine network in antineoplastic immunity</i> ". Scientific Institute for the Study and Treatment of Tumors (IST).
<u>14/04/2000 - 14/05/2000</u>	Research assignment entitled " <i>Long-term lymphocyte cultures and specificity analysis</i> ". University of Genoa, DIMI, Chair of Clinical Immunology.
<u>16/03/1998 - 15/03/1999</u>	Postdoc scholarship , University of Genoa, DiSEM, Chair of Endocrinology Scientific coordinator: Prof. Francesco Minuto

EDUCATION TITLES

<u>1993-1997</u>	PhD course in " <i>Endocrinological, Clinical and Experimental Pathophysiology</i> " (IX cycle) at the Department of Endocrinological and Metabolic Sciences, University of Genoa.
<u>May 1998</u>	PhD degree at the University of Rome "La Sapienza".
<u>March 1994</u>	Qualification to practice as a biologist: University of Genoa.
<u>March 1993</u>	Degree in Biological Sciences: University of Genoa, graduation grade 106/110.

SCIENTIFIC ACTIVITY 2002-present

Research activity related to the pathophysiology of somatostatin receptors, dopamine and growth factor receptors in cell lines and primary cultures of (human) pituitary and neuroendocrine tumors.

Studies on the autocrine-paracrine regulatory system of cell growth and hormone secretion in primary cultures of pituitary and neuroendocrine tumors and testing of first- and second-generation somatostatin receptor ligands (SRLs), dopamine-agonists and new experimental somatostatin and dopamine analogues (panligands, bi-specific and chimeric molecules) in primary cultures and cell lines of endocrine and non-endocrine tumors.

Study of the mechanisms of internalization, desensitization and trafficking of somatostatin receptors in different cellular models of endocrine diseases with particular regard to β -arrestins and GPCR kinases (GRKs).

Studies on the pathophysiology of the GH-IGF-I axis and the role of IGF system peptides in the autocrine-paracrine regulation of normal and tumor cell growth.

<u>2000-2002</u>	Research activity in the Laboratory of Immunology at the Department of
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Internal Medicine (DiMI), University of Genoa, concerning the role of MHC class I molecules in the regulation of CD8+ lymphocytes and Natural Killer cells.

1992-1999

Research activity in the Laboratory of Endocrinology at Department of Endocrinological and Metabolic Sciences (DiSEM), University of Genoa, concerning the study of insulin-like growth factors and their binding proteins in different cell models and in different normal and neoplastic tissues.

TEACHING ACTIVITY

2017- to date

Adjunct Professor of Endocrinology (cod. 98806), Integrated Course Molecular Oncology/Immunology and Endocrinology (cod. 98804), Second cycle degree in MEDICAL-PHARMACEUTICAL BIOTECHNOLOGY (LM-9).

2013-2017

Assignment of teaching course "**Laboratory for Doctor in Training**", LM-41, course code 61202, SSD BIO/10, course name: **Biochemistry**.

Assignment of the teaching course "**Oncology, Molecular Immunology & Endocrinology**", LM-09 (Medical-Pharmaceutical Biotechnology), course code **95312**, SSD MED/13, course name: **Endocrinology** (Cod. **95314**).

Member of three graduation committees of the course in **Medical-Pharmaceutical Biotechnology** (December 2014 session, December 2015 session and July 2017 session).

PARTICIPATION IN RESEARCH PROJECTS

22/09/2008 - 15/10/2010

Participation in the Scientific Research Program of Relevant National Interest PRIN 2007 "*Pathophysiology of somatostatin receptors in pituitary tumors and new therapeutic perspectives*", Protocol: 2007RFFFFN_005.

25/11/2010 - 24/11/2012

Participation in the MAGNET research project "*Signal Transduction Mediated by Somatostatin Receptor Pan-agonist Pasireotide in Association with mTOR inhibitor Everolimus in Neuroendocrine Tumors*" in collaboration with the Department of Endocrinology (Centre de Recherche en Neurobiologie - Neurophysiologie de Marseille), University of Marseille.

22/02/2012 – 22/02/2017

Participation in the research program Future in Research (FIRB) - PROGRAM AGREEMENTS 2011 "*Advanced technological platforms for the definition of new biomarkers and molecular targets in nanotechnological vectors for the diagnosis and therapy of human neoplasms*", Model Code B: RBAP11884M_006.

01/07/2012 - TODAY

Participation in the multicenter research group *NET Consortium* for the study of new somatostatin analogues and dopastatins on the proliferation of

neuroendocrine tumors in collaboration with: University of Cordoba, La Sapienza University of Rome, University of Uppsala Sweden, University of Verona, University of Boston, University of Paris, University of Berlin, IPSEN Endocrinology Research and Translational Sciences Groups, Massachusetts, USA.

**PARTICIPATION IN NATIONAL
AND INTERNATIONAL
CONGRESSES**

Active participation in numerous national and international congresses organized by the Italian Society of Endocrinology, International Society of Endocrinology – European Society of Endocrinology, The Endocrine Society USA, Growth Hormone Research Society and IGF Society presenting, as first author, oral communications and posters.

LANGUAGE SKILLS

Excellent knowledge of written and spoken English.

SKILLS

Excellent knowledge of the following software/programs: Microsoft Office, Tecan's Magellan; UVitec's Alliance; Microscope Imaging; ImageJ.

Place and date
GENOA, 14/07/2025