Curriculum vitae
Antonella ROETTO

Personal details

Born in Turin
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Educations

2021-now	Biologist Italian Register Subscription
2020	National Scientific Qualification to associate professor in 06/A1-Medical Genetics competition sector, according to DD n: 222/2012.
2020-2022	Master "Bioethics, Pluralism and Ethical Counseling"
1999-2003	Medical Genetics Residency -University of Torino
1996-1999	Human Genetics PhD-X Cycle-University of Torino
1991	Biological Sciences Degree (LM-6)-University of Torino

Professional experiences and current position

01/07/2021-now	Researcher type B (Assistant professor) -University of Torino – Department of Clinical and Biological Sciences-S. Luigi Gonzaga Hospital-10043 Orbassano-Torino, Italy
2021-now	Appointed to Italian National Health Service (SSN)- S. Luigi Gonzaga Hospital -10043 Orbassano-Torino, Italy
2005/2021	Permanent position as Research Technician cat D4-University of Torino – Department of Clinical and Biological Sciences

Teaching activity:

1994-now	Involved in teaching and supervising undergraduate and PhD students from Biological Science, Biotechnology and Medical School This includes laboratory safety, theoretical aspects of the project, project design and management, use of equipment, report writing and oral presentation of the work.
2005-now	University of Torino – Department of Clinical and Biological Science Thesis advisor of 14 Bachelor or Master Degree and 3 PhD thesis.
ay 2022/2023-now	University of Torino – Medicine and Surgery Degree "Human Genetics" Course
ay 2020/2021-now	University of Torino – Psychiatric Rehabilitation Technician Bachelor Degree "Medical Genetics" Course
ay 2020/2021-now	University of Torino-Cellular and Molecular Biology Master degree "Cancer Genetics" Course
ay 2020/2021-now	University of Torino-Medical Genetics Specialization School "Physiopathology of Genetic Diseases II" Course
ay 2019/2020	University of Torino-Medical Genetics Specialization School "Invasive Prenatal Diagnosis" Course
ay 2016/2017	University of Torino Collaborator in Medical Genetics Specialization School Blood Disorders Course
ay 2015/2016	University of Torino-Collaborator in Medical Genetics Specialization School Blood Disorders Course

Clinical Care activity:

2008-now	Head of the Genotyping Laboratory for the alpha and beta globin genes (HBA1/2 and HBB), the hereditary hemochromatosis (HFE) genes and the Hereditary Hyperferritinemia Cataract Syndrome (HHCS). Such activity is accomplished in the AOU San Luigi Gonzaga Central laboratory- Area 3-Genetics, Orbassano, Torino, Italy

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Third Mission activity:

2019-now	Third Mission Committee member at Department of Clinical and Biological Science
2021-now	Member of the team "Ricercatori alla Spina" Off-Topic Pub, Torino (member)
30 sept -1 oct 2022	Coordinator of European Researcher Night: DSCB: Una gita di Scienza fuori porta - Department of Clinical and Biological Science
24-25 sept 2021	Participant to European Researcher Night: DSCB: Divertiamoci Semplicemente Con la Biologia- Department of Clinical and Biological Science (Coordinator).
27 november 2020	Coordinator of 6 video project entitled “Il magico viaggio della famiglia Sanguinin”, European Researcher Night 2020 (on line event)
6 august 2020	Lecture entitled “Le proprietà GENIali del DNA” during “Le Settimane della Scienza” event organized by CentroScienza Association Onlus- Torino.
10 oct-10 nov 2020	On line Laboratories “Le proprietà GENIali del DNA” with primary schools of Piemonte and ’Emilia Romagna regions within propedeutic events to “Biennale Tecnologia per le Scuole”, organized by Politecnico of Torino, in collaboration with University of Torino and CentroScienza Association Onlus- Torino.
12-15 nov 2020	Didactic activity in primary schools within propedeutic events to “Biennale Tecnologia per le Scuole”, organized by Politecnico of Torino, in collaboration with University of Torino and CentroScienza Association Onlus- Torino.
27 sept 2019	Participation to the European Researcher Night 2019
2015	Participation to a trial “DA Coagulation on Ingenius” ELITech Group SpA, Trezzano sul Naviglio, MI, Italia
11/02/2013	Participation to international trial cod A536/04 “A phase 2 open label ascending dose study to evaluate the effect of ACE-536 in patients with Beta Thalassemia intermedia”, Acceleron Pharma, Inc, Cambridge, USA
2012	Participation to international trial cod RG2833-02 “A phase I crossover escalating dose clinical study of orally administered RG2833”, Repligen corporation, Waltham,

Research main topics

Inherited disorders of red blood cells:

Molecular mechanisms of erythropoiesis: hemoglobin switching

Molecular genetics of thalassemia and haemoglobinopathies

Molecular genetics of inborn errors of iron metabolism

Hereditary Hemochromatosis (HH), Hereditary Hyperferritinemia Cataract Syndrome (HHCS), Hereditary Aceruloplasminemia

Main projects as PI:

2022-now	PI of CRT project
2017-now	PI of project Ricerca Locale RILO-University of Torino – Department of Clinical and Biological Science
2014-now	Italian PI in a collaborative project with the Institute of Comparative Molecular Endocrinology, Ulm University, Ulm Germany (Prof. Maja Vujic-Spasic).
2016	Member of collaborative project Ricerca Locale RILO 2015-Line A "Cardioprotective and cardioregenerative mechanisms in cardiovascular high risk subjects". (Acronym: MeCCaSARiC_3)".
2013-2015	Team member of project Ateneo-anno 2012 (DEMATEN12-D15E130000900) "Integrating chromatin structure, transcriptional regulation and gene expression as a novel approach to define the role of iron regulatory proteins and to study the effect of immunomodulatory and hypomethylating agents on iron genes in experimental models and in primary human myelodysplastic and leukemic cells". (PI Marco De Gobbi).
2013-2015	Team member of project Ateneo-anno 2012/CSP C03-065) "Identification and characterization of genes regulating iron homeostasis in model organisms and translation to pre-clinical studies" (PI Salvatore Bozzaro).
2009-2011	PI of the project Ricerca Sanitaria Finalizzata (D.D. n.204 del 30.04.2009) "Molecular screening of alpha/beta globin genes mutations involved in hemoglobinopathies in a group of subjects originating from Morocco"
2009-2010	Italian PI in a collaborative project with Cochin-INSERM Département Hématologie-Istitut U567-UMR8104, Paris, France (PI Catherine Lacombe).
2007-2008	PI of the project Ricerca Sanitaria Finalizzata (D.G.R. n.35-4231 del 06.11.2006) "Molecular analysis of FPN1 gene in subjects with primary hyperferritinemia negative for the known hereditary hemochromatosis mutations"
2000-2004	Member of collaborative project with University of Torino – Department of Genetics, Biology and Biochemistry (PI Lorenzo Silengo). University of Torino – Department of Clinical and Biological Science.
1999-2000	Member of the European Consortium BIOMED V QLK6-CT-02237-1999.
1998	PI of the project "Young Researchers" "Molecular analysis of TFR2 gene, involved in type 3 hereditary hemochromatosis".
1994-1998	Member of the European Consortium BIOMED BMH4-CT96-0994 "Towards identifying the gene responsible for idiopathic haemochromatosis"

Bibliometry (1993-present) (*www.scopus.com*)

Co-author in 98 international scientific manuscripts according to Scopus database

Sum of the Times Cited: 4928

H-index: 35