

Enterprise	University	EPR
<input type="checkbox"/> Management Level	<input checked="" type="checkbox"/> Full professor	<input type="checkbox"/> Research Director and 1st level Technologist / First Researcher and 2nd level Technologist / Principal Investigator
<input type="checkbox"/> Mid-Management Level	<input type="checkbox"/> Associate Professor	<input type="checkbox"/> Level III Researcher and Technologist
<input type="checkbox"/> Employee / worker level	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator	<input type="checkbox"/> Researcher and Technologist of IV, V, VI and VII level / Technical collaborator

WORK EXPERIENCE

- (from 2005 - to present) **Director of the residency school of Medical Genetics**
Department of Molecular Medicine and Medical Biotechnologies/University of Naples Federico II/Italy
- (from 2005- to present) **Full Professor of Medical Genetics**
Department of Molecular Medicine and Medical Biotechnologies/University of Naples Federico II/Italy
- (from 2004 - to present) **Principal Investigator and Head of Laboratory Medical Genetics Unit**
CEINGE Biotechnologie Avanzate/Naples/Italy
- (from 2004 - to present) **Director of Clinical Medical Genetics Unit**
UOC Genetica Medica, AOU Federico II/Naples/Italy
- (from 2000 - to 2003) **Professor of Pediatrics and Director of Dept of Pediatrics**
Department of Pediatrics/University of Foggia/Italy
- (from 1994 - to 1999) **Associate Professor of Pediatrics**
Department of Pediatrics/University of Naples/Italy
- Study of clinical and molecular genetics of rare hereditary disorders/hereditary anemias/neuroblastoma.
 - Skills: Clinical genetics, Molecular genetics, cancer genetics, NGS analysis; genome editing; clinical trials, pre-clinical drug studies; drug discovery; biomarkers discovery; RNA drug development.
 - Teaching activities: Full professor – Medical Genetics/School of Medicine/Residency School of Medical Genetics University Federico II, Napoli/Italy.
 - Group leader: 3 RTDB, 2 Medical Geneticists, 1 PhD student, 14 post graduate students in Medical Genetics (physicians and biologists), 2 technicians.

EDUCATION AND TRAINING

- (1986) **PhD in Pediatrics**
University of Naples, Italy
- (from 1982- to 1985) **Post-graduate Residency school in Oncology**
University of Naples, Italy
- (from 1978- to 1981) **Post-graduate Residency school in Pediatrics**
University of Naples, Italy
- (from 1972- to 1978) **Master degree in Medicine**
University of Naples, Italy

WORK ACTIVITIES

- Editorial activity**
- Associate Editor "American Journal of Hematology".
 - Associate Editor "Scientific Report".
 - Associate Editor "Frontiers in Physiology".
 - Associate Editor "Frontiers in Genetics".
 - Associate Editor "Genes".

- Invited presentations**
- EHA-SWG Scientific Meeting on Red Cell and Iron Metabolism: from basic science to clinical case application. Madrid, Spain; "Clinical cases of CDA". 2019.
 - ESH - International Conference on Erythropoiesis Control and Ineffective Erythropoiesis. Hereditary congenital dyserythropoiesis anemias. Budapest 2019.
 - Conference "Egyptian Society of Pediatric Hematology-Oncology ESPHO 2018 Egypt. "Hereditary red blood cell defects" 2018.
 - Red Cell Conference, "Hereditary Stomatocytosis", Yale School of Medicine, CT, USA, 2012.
- Grants**
- 2022-2024. Principal Investigator of the project "Understanding dyserythropoiesis to identify new therapeutic mechanisms in hereditary anemias". PRIN.
- 2018-2022. Principal Investigator of the project "Understanding the role of non-coding variants in primary and relapsed neuroblastoma". AIRC.
- 2017 - 2020: Co-Principal Investigator of the project "Towards the improvement of diagnosis and treatment in Congenital Dyserythropoietic Anaemias (CoDysAn project)" - research project for "ayuda a la investigación en ciencias de la vida" Fundación Ramón Areces.
- Other appointments**
- 2020-2022 – President of the Italian Society of Human Genetics (SIGU)
- 2014-2021 - Chairman of the scientific working group of the European Hematology Association on Red Cells and Iron
- 2016- present - Chairman of the EuroBloodNet group on Benign hematology.

ADDITIONAL INFORMATION

Publications H-Index: 59, N. publications: 398, Total citations: 3495, N. publications 10 years: 160

Relevant publications

- Capasso M, ..., **Iolascon A**. Transcription Factors Involved in Tumorigenesis Are Over-Represented in Mutated Active DNA-Binding Sites in Neuroblastoma. **Cancer Res**. 2020 Feb 1;80(3):382-393.
- Andolfo I, ... Russo R, **Iolascon A**. Gain-of-function mutations in PIEZO1 directly impair hepatic iron metabolism via the inhibition of the BMP/SMADs pathway. **Am J Hematol**. 2020;95(2):188-197.
- Andolfo I, Russo R, ... **Iolascon A**. Genotype-phenotype correlation and risk stratification in a cohort of 123 hereditary stomatocytosis patients. **Am J Hematol**. 2018;93(12):1509-1517.
- Russo R, Andolfo I, ..., **Iolascon A**. GATA1 erythroid-specific regulation of SEC23B expression and its implication in the pathogenesis of congenital dyserythropoietic anemia type II. **Haematologica**. 2017 Sep;102(9):e371-e374.
- Andolfo I, ..., **Iolascon A**. Multiple clinical forms of dehydrated hereditary stomatocytosis arise from mutations in PIEZO1. **Blood**. 2013 May 9;121(19):3925-35, S1-12.
- Andolfo I, De Falco L, Asci R, Russo R, .. M, Zollo M, **Iolascon A**. Regulation of divalent metal transporter 1 (DMT1) non-IRE isoform by the microRNA Let-7d in erythroid cells. **Haematologica**. 2010;95(8):1244-52.

Collaborations Ardem Patapoutian Nobel prize for Medicine or Physiology 2021; Scripps Research La Jolla, CA, USA/Carlo Brugnara and Seth L. Alper Harvard Medical School Boston, MA, USA/Maria Domenica Cappellini IRCCS Ca' Granda, Milano/ Lucia De Franceschi Uni. di Verona/Stefano Rivella Children's Hospital of Philadelphia/University of Pennsylvania, Philadelphia, PA, USA.