



Paolo Giannoni

Associate Professor

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Education and Training

1993

Doctorate in Environmental and Food Toxicology

Biological role of Poly (ADP-ribose) polymerase: evaluation of its activity and of its possible role as a marker of genotoxicity

University of Milano - Milano - IT

1987

Degree in Biological Sciences

Effects of N-acetyl cysteine on the chemical induction of pre-neoplastic alterations in rat liver - 110/110 magna cum laude

Università di Genova - Genova - IT

Academic experience

2016 - Today

Associate Professor

University of Genova - Genova - IT

2013 - 2016

Researcher (RTD-B)

University of Genova - Genova - IT

2011 - 2013

Contract Professor

University of Genova - Genova - IT

1999 - 2001

Post-doctoral fellow

University of Bern - Bern - CH

1994 - 1996

Post-doctoral fellow

University of Genova - Genova - IT

1988 - 1992

PhD Student

University of Genova - Genova - IT

Professional experience

2007 - 2012

Research Contractor

Stem Cell Laboratory; Advanced biotechnology Center - Genova - IT

2003 - 2007

Scientific manager

Biorigen s.r.l. - Genova - IT

2001 - 2003

Research Contractor

Regenerative Medicine Laboratory; I.R.C.C.S. Ospedale San Martino - Genova - IT

1996 - 1999

Research Contractor

Cell Differentiation Laboratory; I.R.C.C.S. Ospedale San Martino - Genova - IT

Language skills

English

Expert

High School Diploma

Skyline High School; Oakland CA; USA

June 11th, 1981.

Educational activity

- 1992-1996: Teaching member of the “Practical courses in molecular biology and physiology”; Faculty of Mathematical, Physical and Natural Sciences, University of Genova.
- 1994-1996: Member of the exam committees for the teaching unit “Laboratory of Physiology Methods”; Faculty of Mathematical, Physical and Natural Sciences, University of Genova.
- 1997-1998: Contract professor for the “Integrated Course of Cell Biology and Genetics”; Faculty of Medicine, University of Genova.
- Since 2011: Contract professor for the inter-faculty course “Molecular bases of pathologies and Gene Therapy”, Degree in Medical and Pharmaceutical Biotechnologies, code #80818, University of Genova
- 2012-2015: Contract professor for the teaching unit “Cell Biology II and Laboratory”, Degree in Medical and Pharmaceutical Biotechnologies, code #61395, University of Genova.

- Since 2013: Teaching unit of “Animal Biology” (code #55417/#11673), Degree in Pharmacy, University of Genova.
- Since 2016: Teaching unit of “Biology and Genetics” (code #80755”) Degree in Medical and Pharmaceutical Biotechnologies, University of Genova
- Since 2017: Teaching unit of “Cell and Gene Therapy” (code #86844) Degree in Pharmacy, University of Genova
- Since 2017: Teaching units of “General Biology” (code #72707) e “General Genetics” (code #72711), for the Degree in Nursing Sciences and for the Degree in Physiotherapy, University of Genova.

Teaching and research activity in higher education

Master thesis students-, PhD students-, Post-doc fellows supervision

-Since 2016 Teaching unit “Multidisciplinary in biomedical research” for the Superior Studies Institute of the University of Genova, IANUA-ISSUGE, Module 1.1, Master in Biomedical Sciences, First Level.

Member of the teaching staff of the Doctorates accredited by the Ministry of University and Research

Since 2013: Member of the teaching staff of the Doctorate in Biotechnology and Translational Medicine, University of Genova.

Research interests

- role and functions of the stromal micro-environment, in normal and pathological conditions; correlations and cross-talk among stromal and hematopoietic cells.
- human and animal stromal cell osteogenic differentiation in in vitro and in vivo systems;
- engineering and bioactivation of materials for medical use by specific peptides;
- analysis of the donor’s age effects on proliferation and differentiation potentials of human chondrocytes to widen the exploitability of the cells in cell therapy-based approaches;
- analysis of mechanical stimulations on cartilage and on chondrocytes metabolism and gene expression;
- analysis of factors directing the expression of proteins involved in inflammation and/or acute phase onset

Research projects

2023

Immunocyto/immuno-histochemical analyses on epithelial tissue samples by hematoxylin-eosin and anti-CD44/anti-aquaporin staining.

React4Life S.r.l.-University of Genova -IT

Principal Investigator

2019-2020

In vitro evaluation of the pro-regenerative effects of a solution of hydrolyzed collagen peptides and vitamin C on intra/peri-articular and/or dermal lesions

Tiss'You S.r.l.-University of Genova – IT

Principal Investigator

2014 - 2016

Transcriptional control of the Hepatocyte Growth Factor (HGF) and its relevance in the stromal microenvironment in physiological and pathological conditions.

University of Genova - IT

Principal Investigator

2014

Human osteosarcoma cells loaded by imbibition onto demineralized bone–derived bio-matrices

Sirius-Biotech S.r.l. – University of Genova - IT

Principal Investigator

2013 - 2015

Role of factors secreted by stromal mesenchymal cells in chronic lymphocytic leukemia

University of Genova - IT

Principal Investigator

2010 - 2011

Innovative materials for the development of artificial bioprosthesis

Italian Ministry of the University and Research - IT

Participant

2007 - 2010

National Research Net “Tissunet”: Engineering bioactive scaffolds for bone and cartilage regeneration

Italian Ministry of the University and Research - IT

Participant

Tissue engineering for regenerative therapies of cartilage and bone

Italian Ministry of the University and Research - IT

Participant

Editorial activity

-Since 2011 is a member of the Projects Evaluating Committee of the AO Foundation, Clavadelerstrasse 8, 7270-Davos, Switzerland, relating to the Regenerative medicine and musculo-skeletal tissues field.

-Since 2013 is a member of the external reviewer board of the “Alessandro Liberati” Foundation, Regional Health Agency - Emilia Romagna Region, Research Governance, Viale A. Moro 21, 40127, Bologna, Italy.

-Currently works as a free reviewer for several scientific journals in his fields of interests, such as: *Biomaterials*, *Tissue Engineering*, *Journal of Cellular Physiology*, *Journal of Cell Transplantation*, *Journal of Tissue Engineering and Regenerative Medicine*, *Cells Tissue Organs*, *Current Biotechnology*, *Journal of Cellular and Molecular Medicine*, *International Journal of Artificial Organs*, *Journal of Orthopaedic Trauma*, *Histology and Histopathology*, *Materials Science and Engineering C*, *Cytotherapy*, *Journal of Applied Biomaterials and Biomechanics*, *Cell Communication and Signaling*.