

## PERSONAL INFORMATION

## Umberto Galderisi

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Sex M | Date of birth 10/09/1963 | Nationality Italian

## POSITION

- Professor of Molecular Biology at the School of Medicine, University of Campania “Luigi Vanvitelli”, Naples, Italy.
- Adjunct Professor, Sbarro Inst. for Cancer Research and Mol. Medicine, Temple Univ, Philadelphia, PA, USA.
- Visiting Scientist at Genkok (Genome and Stem Center) of Erciyes University, Kaiseri, Turkey

## WORK EXPERIENCE

2001 - 2007

**Assistant Professor**

Second University of Naples, Naples, Italy

- Researcher in Molecular Biology

2006, 2008, 2011

**Visiting Scientist**

“Heinrich Pette” Institute of Hamburg University, Germany.

- Research on cell cycle regulation and anti-oncogenes

2003

**Visiting Scientist**

Tulane University, New Orleans, LA, USA

- Research on mesenchymal stem cells

2001 to present

**Adjunct Associate Professor**

College of Science, Temple University, Philadelphia, PA, USA

- Research on cell cycle regulation and anti-oncogenes

1998, 1999

**Visiting Scientist**

Faculty of Medicine, Thomas Jefferson University, Philadelphia, PA, USA

- Research on cell cycle regulation and anti-oncogenes

1997 - 1999

**Senior Scientist**

CEINGE, Naples, Italy

- Research in molecular and cellular biology

1996

**Post Doc**

“Museum National d’Histoire Naturelle”, Paris, France

- Research in molecular biology

## EDUCATION AND TRAINING

- 1992 **PhD**  
University "Federico II", Naples, Italy
- PhD in Embryology and Histology
- 1987 **Master of Science**  
University "Federico II", Naples, Italy
- Degree in Biological Science

## ADDITIONAL INFORMATION

- Memberships**
- National Association of Italian Biologist
  - International Society for Cellular Therapy (ISCT)
  - International Society for Cellular Therapy (ISCT)
  - ECSA (European Cellular Senescence Association)
  - Founder and President of Stem Cell Research Italy ([www.stemcellitaly.org](http://www.stemcellitaly.org))
- Editorial Board**
- World Journal of Stem Cells
  - World Journal of Experimental Medicine
  - Stem Cell Discovery
  - Stem Cell Review and Reports
  - ISRN Stem Cells
  - Cancer & Clinical Research Journal
  - Frontier in Stem Cell Treatment
  - Journal of Cardiology and Therapy
  - Archives of Cytology
  - Imaging Journal of Clinical and Medical Sciences
  - Austin Journal of Molecular and Cellular Biology
  - Journal of Cancer Metastasis and Treatment
  - Interdisciplinary Journal of Bone Marrow & Research (JBMR)
- Scientific Interests**
- Basic and applied researches on normal and cancer stem cells.
  - Analysis of senescence processes that affect stem cell properties.
  - Effect of low dose radiations on the biology of normal and cancer stem cells.

Publications ▪ Co-author of more than 126 articles (H-index 31)

Selected publications

- 1: Özcan S, Alessio N, Acar MB, Mert E, Omerli F, Peluso G, Galderisi U. Unbiased analysis of senescence associated secretory phenotype (SASP) to identify common components following different genotoxic stresses. *Aging (Albany NY)*. 2016 Jul;8(7):1316-29. doi: 10.18632/aging.100971.
- 2: Alessio N, Capasso S, Di Bernardo G, Cappabianca S, Casale F, Calarco A, Cipollaro M, Peluso G, Galderisi U. Mesenchymal stromal cells having inactivated RB1 survive following low irradiation and accumulate damaged DNA: hints for side effects following radiotherapy. *Cell Cycle*. 2016 Apr 28:0. [Epub ahead of print] PubMed PMID: 27124644.
- 3: Capasso S, Alessio N, Squillaro T, Di Bernardo G, Melone MA, Cipollaro M, Peluso G, Galderisi U. Changes in autophagy, proteasome activity and metabolism to determine a specific signature for acute and chronic senescent mesenchymal stromal cells. *Oncotarget*. 2015 Nov 24;6(37):39457-68. doi: 10.18632/oncotarget.6277.
- 4: Squillaro T, Severino V, Alessio N, Farina A, Di Bernardo G, Cipollaro M, Peluso G, Chambery A, Galderisi U. De-regulated expression of the BRG1 chromatin remodeling factor in bone marrow mesenchymal stromal cells induces senescence associated with the silencing of NANOG and changes in the levels of chromatin proteins. *Cell Cycle*. 2015;14(8):1315-26. doi: 10.4161/15384101.2014.995053.
- 5: Alessio N, Del Gaudio S, Capasso S, Di Bernardo G, Cappabianca S, Cipollaro M, Peluso G, Galderisi U. Low dose radiation induced senescence of human mesenchymal stromal cells and impaired the autophagy process. *Oncotarget*. 2015 Apr 10;6(10):8155-66.
- 6: Zanichelli F, Capasso S, Di Bernardo G, Cipollaro M, Pagnotta E, Carteni M, Casale F, Iori R, Giordano A, Galderisi U. Low concentrations of isothiocyanates protect mesenchymal stem cells from oxidative injuries, while high concentrations exacerbate DNA damage. *Apoptosis*. 2012 Sep;17(9):964-74. doi: 10.1007/s10495-012-0740-3.
- 7: Özcan S, Alessio N, Acar MB, Toprak G, Gönen ZB, Peluso G, Galderisi U. Myeloma cells can corrupt senescent mesenchymal stromal cells and impair their anti-tumor activity. *Oncotarget*. 2015 Nov 24;6(37):39482-92. doi: 10.18632/oncotarget.5430.