

**EUROPEAN
CURRICULUM VITAE
FORMAT**



PERSONAL INFORMATION

Name **DOLCI SUSANNA**

E-mail **dolci@uniroma2.it**

Nationality Italian

Gender F

WORK EXPERIENCE

- Dates (from - to) 2019-to date
- Name and address of the employer University of Rome Tor Vergata
- Type of business or sector Academia
- Occupation or position held Full Professor
 - Main activities and responsibilities Teaching, Basic Research, PhD school Coordination

- Dates (from - to) 2000-2019
- Name and address of the employer University of Rome Tor Vergata
- Type of business or sector Academia
- Occupation or position held Associate Professor
 - Main activities and responsibilities Teaching, Basic Research,

- Dates (from - to) 1993-2000
- Name and address of the employer University of Rome Tor Vergata
- Type of business or sector Academia
- Occupation or position held Assistant Professor
 - Main activities and responsibilities Teaching, Basic Research,

- Dates (from - to) 1991-1993
- Name and address of the employer National Cancer Institute, Frederick, Maryland USA

- Type of business or sector Basic Research
- Occupation or position held Visiting Scientist
 - Main activities and responsibilities Basic Research

- Dates (from - to) 1998
- Name and address of the employer Gurdon Institute, The Wellcome Trust, Cambridge, UK
- Type of business or sector Basic Research
- Occupation or position held Associate Researcher
 - Main activities and responsibilities Basic Research

EDUCATION AND TRAINING

- Dates (from - to) 1987-1991
- Name and type of organisation providing education and training University of Rome La Sapienza
 - Principal subjects/occupational skills covered Basic Research
- Title of qualification awarded PhD in Embryology
 - Level in national or international classification (if relevant)

- Dates (from - to) 1979-1985
- Name and type of organisation providing education and training University of Rome La Sapienza
 - Principal subjects/occupational skills covered Medical activity
- Title of qualification awarded Medical Doctor Degree
 - Level in national or international classification (if relevant)

MADRELINGUA

ITALIAN

ALTRE LINGUA

- | | | |
|---------------------------------|----------------|---------------|
| • Capacità di lettura | ENGLISH | GERMAN |
| • Capacità di scrittura | Excellent | Basic |
| • Capacità di espressione orale | Excellent | Basic |

SOCIAL SKILLS

Experience of working in a team within a laboratory project;collaboration with

AND COMPETENCES other teamsSports:swimming, fencing.. Sociable and communicative person.

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

ORGANISATIONAL SKILLS

AND COMPETENCES
Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

Experience in planning, collaborators coordination, ongoing evaluation of research project activities, and attendance to national/international conferences. Tutorial activity for Ph.D. students.
Coordination of the PhD school in Biotechnology and Translational Medicine (University of Rome Tor Vergata)

TECHNICAL SKILLS

AND COMPETENCES
With computers, specific kinds of equipment, machinery, etc.

Expertise in several fields as Cellular and Molecular Biology and Biochemistry, with a strong background in regulation of gene expression and animal modeling (transgenic and homologous recombinants). Isolation and specification in vitro of male and female mammalian germ cells. processing regulation.

**OTHER SKILLS
AND COMPETENCES**

Competences not mentioned above.

GENERAL PRATICIONER

ADDITIONAL INFORMATION

Indexed Full papers: 96

Last 10 years:: 33

Total citations: >4000

H-index: 38 scopus

Scientific activity: The original contributions made concern the Biology of Development and Reproduction, and the Endocrinology of Reproduction. Prof. Dolci has produced the following original research lines for which she is cited in the international scientific field and which may contain her scientific profile:

- Characterization and role of growth factors and transcription factors for germ cells in the fetal gonad
- Characterization of genes for gonad development
- Characterization and role of growth factors for male germ cells

Reviewer of basic and applied scientific research papers submitted to international journals of development, andrology and pathophysiology of reproduction and oncology (Oncogene, Development, Cell Cycle, Reproduction, Stem Cells, JBC) (Co-Editor of the special Issue Male Germ Cells in Development & Tumors, Int. J. Dev. Biol.)

Coordinator of Co-financed Research Projects of National Interest Unit (COFIN / PRIN) a) 2003

b) 2008

c) 2011

d) 2013

e) 2015

f) 2017

g) 2020

Local Coordinator of Co-financed Research Projects of National Interest Unit (COFIN / PRIN): a) 2005

FIRB project local coordinator a)

2001

Didactic Activity:

Teachers for the following subjects at the University of Rome Tor Vergata:

Human Anatomy (Biotechnology)

Human Anatomy: Neuroanatomy, Splanchnology (CL Medicine and Surgery italian and english)

Coordinator of the PhD in Biotechnology and Translational Medicine (University of Rome Tor Vergata)

- 1) Di Siena S, Campolo F, Rossi P, Jannini EA, Dolci S, Pellegrini M. UV and genotoxic stress induce ATR relocalization in mouse spermatocytes. *Int J Dev Biol.* 2013;57(2-4):281-7
- 2) De Felici M, Dolci S. (2013) From testis to teratomas: a brief history of male germ cells in mammals. *Int J Dev Biol.* 57:115-21. 2
- 3) De Felici M, Dolci S. (2013) Preface. Male germ cells and cancer: a connection among pluripotency, differentiation and stem cell biology. *Int J Dev Biol.* 57:101-3. 2.3
- 4) Rossi P, Dolci S. (2013) Paracrine mechanisms involved in the control of early stages of Mammalian spermatogenesis. *Front Endocrinol (Lausanne).* 4:181.
- 5) Tentori L, Leonetti C, Muzi A, Dorio AS, Porru M, Dolci S, Campolo F, Vernole P, Lacal PM, Praz F, Graziani G. (2013) Influence of MLH1 on colon cancer sensitivity to poly(ADP-ribose) polymerase inhibitor combined with irinotecan. *Int J Oncol.* 43:210-8. 2.3
- 6) Tentori L, Muzi A, Dorio AS, Dolci S, Campolo F, Vernole P, Lacal PM, Praz F, Graziani G. (2013) MSH3 expression does not influence the sensitivity of colon cancer HCT116 cell line to oxaliplatin and poly(ADPribose) polymerase (PARP) inhibitor as monotherapy or in combination. *Cancer Chemother Pharmacol.* 72:117-25. 2.7
- 7) Campolo F, Gori M, Favaro R, Nicolis S, Pellegrini M, Botti F, Rossi P, Jannini EA, Dolci S (2013) Essential role of Sox2 for the establishment and maintenance of the germ cell line. *Stem Cells.* 31:1408-21. 7.8
- 8) Carosa E, Castri A, Forcella C, Sebastiani G, Di Sante S, Gravina GL, Ronchi P, Cesarini V, Dolci S, Di Stasi S, Lenzi A, Jannini EA. (2014) Platelet-derived growth factor regulation of type-5 phosphodiesterase in human and rat penile smooth muscle cells. *J Sex Med.* 11:1675-84. 3.1
- 9) Faraoni I, Compagnone M, Lavorgna S, Angelini DF, Cencioni MT, Piras E, Panetta P, Ottone T, Dolci S, Venditti A, Graziani G, Lo-Coco F. (2015) BRCA1, PARP1 and γ H2AX in acute myeloid leukemia: Role as biomarkers of response to the PARP inhibitor olaparib. *Biochem Biophys Acta.* 1852:462-72. 4,9
- 10) Tassinari V, Campolo F, Cesarini V, Todaro F, Dolci S, Rossi P. (2015) Fgf9 inhibition of meiotic differentiation in spermatogonia is mediated by Erk-dependent activation of Nodal-Smad2/3 signaling and is antagonized by Kit Ligand. *Cell Death Dis.* 12;6:e1688 5.2
- 11) Desimio MG, Campolo F, Dolci S, De Felici M, Farini D (2015) SOHLH1 and SOHLH2 directly down-regulate stimulated by retinoic acid 8 (STRA8) expression. *Cell Cycle.* 14:1036-45. 4.
- 12) Dolci S, Campolo F, De Felici M. (2015) Gonadal development and germ cell tumors in mouse and humans. *Semin Cell Dev Biol.* 45:114-23. 5.9
- 13) Cesarini V., Martini M., Ricci Vitiani L., Gravina GG., Di Agostino S., Graziani G., D'Alessandris Q.A., Pallini P., Larocca L.M., Rossi P., Jannini E.A., and S. Dolci (2016). Type 5 phosphodiesterase regulates glioblastoma multiforme aggressiveness and clinical outcome. *Oncotarget*, in press.
- 14) Cesarini V, Guida E, Todaro F, Di Agostino S, Tassinari V, Nicolis S, Favaro R, Caporali S, Lacal PM, Botti E, Costanzo A, Rossi P, Jannini EA, Dolci S. Sox2 is not required for melanomagenesis, melanoma growth and melanoma metastasis in vivo. *Oncogene.* 2017 Aug;36(31):4508-4515. doi: 10.1038/onc.2017.53.
- 15) De Domenico E, Todaro F, Rossi G, Dolci S, Geremia R, Rossi P, Grimaldi P.
Overactive type 2 cannabinoid receptor induces meiosis in fetal gonads and impairs ovarian reserve. *Cell Death Dis.* 2017 Oct 5;8(10):e3085. doi: 10.1038/cddis.2017.496.
- 16) Di Siena S, Campolo F, Gimmelli R, Di Pietro C, Marazziti D, Dolci S, Lenzi A, Nussenzweig A, Pellegrini M. Atm reactivation reverses ataxia

- telangiectasia phenotypes in vivo *Cell Death Dis.* 2018 Feb 22;9(3):314. doi: 10.1038/s41419-018-0357-
- 17) Gravina GL, Marampon F, Sanità P, Festuccia C, Forcella C, Scarsella L, Jitariuc A, Vetuschi A, Sferra R, Colapietro A, Carosa E, Dolci S, Lenzi A, Jannini EA.
Episode-like pulse testosterone supplementation induces tumor senescence and growth arrest down-modulating androgen receptor through modulation of p-ERK1/2, pARser81 and CDK1 signaling: biological implications for men treated with testosterone replacement therapy. *Oncotarget.* 2017 Nov 30;8(69):113792-113806.
 - 18) Balistreri CR, Pisano C, Bertoldo F, Massoud R, Dolci S, Ruvolo G.
Rejuvenation Res. Red Blood Cell Distribution Width, Vascular Aging Biomarkers, and Endothelial Progenitor Cells for Predicting Vascular Aging and Diagnosing/Prognosing Age-Related Degenerative Arterial Diseases. 2019 Oct;22(5):399-408. doi: 10.1089/rej.2018.2144.
 - 19) Todaro F, Campolo F, Barrios F, Pellegrini M, Di Cesare S, Tessarollo L, Rossi P, Jannini EA, Dolci S. Regulation of Kit Expression in Early Mouse Embryos and ES Cells. *Stem Cells.* 2019 Mar;37(3):332-344. doi: 10.1002/stem.2960.
 - 20) Cesarini V, Pisano C, Rossi G, Balistreri CR, Botti F, Antonelli G, Ruvolo G, Jannini EA, Dolci S.
Regulation of PDE5 expression in human aorta and thoracic aortic aneurysms. *Sci Rep.* 2019 Aug 21;9(1):12206. doi: 10.1038/s41598-019-48432-6.
 - 21) Bisegna C, Gravina GL, Pierconti F, Martini M, Larocca L, Rossi P, Grimaldi P, Dolci S, Di Stasi S, Jannini EA. Regulation of PDE5 expression in normal prostate, benign prostatic hyperplasia, and adenocarcinoma. *Andrology.* 2020 Mar;8(2):427-433. doi: 10.1111/andr.12695.
 - 22) Barchi M, Innocenzi E, Giannattasio T, Dolci S, Rossi P, Grimaldi P. Cannabinoid Receptors Signaling in the Development, Epigenetics, and Tumours of Male Germ Cells. *Int J Mol Sci.* 2019 Dec 18;21(1):25. doi: 10.3390/ijms2101025.
 - 23) Gaggi G, Di Credico A, Izzicupo P, Sancilio S, Di Mauro M, Iannetti G, Dolci S, Amabile G, Di Baldassarre A, Ghinassi B. Decellularized Extracellular Matrices and Cardiac Differentiation: Study on Human Amniotic Fluid-Stem Cells. Decellularized Extracellular Matrices and Cardiac Differentiation: Study on Human Amniotic Fluid-Stem Cells. *Int J Mol Sci.* 2020 Aug 31;21(17):6317. doi: 10.3390/ijms21176317.
 - 24) Cesarini V, Guida E, Campolo F, Crescioli C, Di Baldassarre A, Pisano C, Balistreri CR, Ruvolo G, Jannini EA, Dolci S. Type 5 phosphodiesterase (PDE5) and the vascular tree: From embryogenesis to aging and disease. *Mech Ageing Dev.* 2020 Sep;190:111311. doi: 10.1016/j.mad.2020.111311. Epub 2020 Jul 3.
 - 25) Caggiano C., Guida E., Todaro F., Bielli P., Mori M., Ghirga F., Quaglio D., Botta B., Moretti F., Grimaldi P., Jannini E.A., Barchi M., Dolci S. Sempervirine inhibits RNA polymerase I transcription independently from p53 in tumor cells. *Cell Death Discov.* 2020 Oct 28;6(1):111. doi: 10.1038/s41420-020-00345-4.
 - 26) Gaggi, G., Di Credico, A., Izzicupo, P., Di Baldassarre, A., Ghinassi, B. Decellularized extracellular matrices and cardiac differentiation: Study on human amniotic fluid-stem cells, *International Journal of Molecular Sciences*, 2020, 21(17), pp. 1–14, 6317
 - 27) Barchi, M., Bielli, P., Dolci, S., Rossi, P., Grimaldi, P. Non-coding RNAs and splicing activity in testicular germ cell tumors. *Life*, 2021, 11(8), 736
 - 28) De Felici, M., Klinger, F.G., Campolo, F., Barchi, M., Dolci, S. To be or not to be a germ cell: The extragonadal germ cell tumor paradigm. *International Journal of Molecular Sciences*, 2021, 22(11), 5982

- 29) Guida E, Tassinari V, Colopi A, Todaro F, Cesarini V, Jannini B, Pellegrini M, Botti F, Rossi G, Rossi P, Jannini EA, Dolci S. Mapk activation drives male and female mouse teratocarcinomas from late PGCs. J Cell Sci. 2022 Mar 17;jcs.259375.
- 30) Sansone A, Jannini TB, Dolci S, Jannini EA. Castration and emasculation in the middle age. The andrological conundrum of Peter Abelard. Andrology. 2022 Mar 30.
- 31) Sansone A, Reisman Y, Meto S, Dolci S, Jannini EA. The Role of the "Anti-Inflammatory" Couple for the Management of Hyperuricemia With Deposition. Sex Med. 2022 Oct;10(5):100562.
- 32) Salvatore G, De Felici M, **Dolci S**, Tudisco C, Cicconi R, Campagnolo L, Camaioni A, Klinger FG Human adipose-derived stromal cells transplantation prolongs reproductive lifespan on mouse models of mild and severe premature ovarian insufficiency. Stem Cell Res Ther. 2021 Oct 10;12(1):537.
- 33) Da Ros V, Oddo L, Toumia Y, Guida E, Minosse S, Strigari L, Strolin S, Paolani G, Di Giuliano F, Floris R, Garaci F, Dolci S, Paradossi G, Domenici
[PVA- Microbubbles as a Radioembolization Platform: Formulation and the In Vitro Proof of Concept.](#) Pharmaceutics. 2023 Jan 8;15(1):217.

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV

Pagina 1 - Curriculum vitae di
[COGNOME, Nome]

Per ulteriori informazioni:

www.cedefop.eu.int/transparency
www.europa.eu.int/comm/education/index_it.html
www.eurescv-search.com