

PERSONAL INFORMATION



✉ elena.bonanno@uniroma2.it

Sex Female | Date of birth 10/09/1959 | Nationality Italian

ELENA BONANNO

JOB POSITION

Associate Professor University of Rome Tor Vergata

ARTICLES 89
CITATIONS 2150
H-INDEX 24
H-INDEX EXCLUDING SELF CITATION 23

WORK EXPERIENCE

Main activities and responsibilities

- 23 december 2015 to date** Associate Professor of Anatomic Pathology (SSD 06/A4 MED08)
- 28 may 2015 to date:** Clinical Risk Managment Facilitator at Azienda Ospedaliera Policlinico Tor Vergata
- 8 september 2008 to date:** Director of "UOS Citopatologia e Controllo di Qualità in Anatomia Patologica"
- 1 july 2000 to date:** Researcher at University of Rome Tor Vergata (SSD MED/08 Anatomic Pathology)
- 28 novembre 1989** Researcher assistant at University of Rome Tor Vergata

EDUCATION AND TRAINING

Degree

- January 1990-june 1991 Fellowship at Electron microscopy lab and Cancer assay center of Anatomic Pathology dept of Medical college of Pennsylvania
- September 1990 to date Human Pathology PhD Degree
- 10 december 1984 to date Medicine and Surgery Degree cum laude

PERSONAL SKILLS

Mother tongue Italian

Other language

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 Proficient user
[Common European Framework of Reference for Languages](#)

Communication skills Good communication skills gained through my experience as medical doctor and University professor

- Organisational / managerial skills**
- Coordinator of Anatomic Pathology course (6 CFU; 2 teachers) of Magistral degree in Medical Biotechnology
 - Coordinator of Anatomic Pathology I course (6 CFU; 3 teachers) of degree in Laboratory Technician
 - Coordinator of Anatomic Pathology II course (7 CFU; 5 teachers) of degree in Laboratory Technician
 - Director of Operative Unity at Policlinico Tor Vergata (UOS Citopatologia)
 - Leadership (currently responsible for a research team of 6 people)

- Job-related skills**
- Good practice with animal and in vitro model acquired during the fellowship as researcher assistant at Medical College of Pennsylvania Philadelphia
 - Good command of quality control processes (currently responsible for quality system in Anatomic Pathology section of Policlinico Tor Vergata)
 - Good command of clinical risk management

Digital competence

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent User	Proficient User	Proficient user	Independent user	Proficient user

Levels: Basic user - Independent user - Proficient user
[Digital competences - Self-assessment grid](#)

Replace with name of ICT-certificate(s)

- good command of office suite (word processor and presentation software) gained as advanced user
- good command of photo editing software gained as an amateur photographer

- Other skills**
- tapestry
 - painting
 - cooking

Driving licence Driving licenece: B

PUBLICATIONS

Scimeca M, Pietroiusti A, Milano F, Anemona L, Orlandi A, Marsella LT, Bonanno E. Elemental analysis of histological specimens: a method to unmask nano asbestos fibers. Eur J Histochem. 2016 Feb 1;60(1):2573. doi: 10.4081/ejh.2016.2573.

Scimeca m, Bonanno E, Piccirilli E, Baldi J, Mauriello A, Orlandi A, Tancredi V, Gasbarra E, Tarantino U. Satellite Cells CD44 Positive Drive Muscle Regeneration in Osteoarthritis Patients. Stem Cells Int. 2015;2015:469459. doi: 10.1155/2015/469459. Epub 2015 Jun 1.

Benvenuto M, Masuelli L, De Smaele E, Fantini M, Mattera R, Cucchi D, Bonanno E, Di Stefano E, Frajese GV, Orlandi A, Screpanti I, Gulino A, Modesti A, Bei R. In vitro and in vivo inhibition of breast cancer cell growth by targeting the Hedgehog/GLI pathway with SMO (GDC-0449) or GLI (GANT-61) inhibitors. Oncotarget.

Scimeca M, Antonacci C, Colombo D, Bonfiglio R, Buonomo OC, Bonanno E. Emerging prognostic markers related to mesenchymal characteristics of poorly differentiated breast cancers. Tumour Biol. 2015 Nov 12. [Epub ahead of print] PubMed PMID: 26563370.

Carpentieri A, Cozzoli E, Scimeca M, Bonanno E, Sardaneli AM, Gambacurta A. Differentiation of human neuroblastoma cells toward the osteogenic lineage by mTOR inhibitor. Cell Death Dis. 2015 Nov 12;6:e1974. doi: 10.1038/cddis.2015.244.

Galli F, Rapisarda AS, Stabile H, Malviya G, Manni I, Bonanno E, Piaggio G, Gismondi A, Santoni A, Signore A. In Vivo Imaging of Natural Killer Cell Trafficking in Tumors. *J Nucl Med*. 2015 Oct;56(10):1575-80. doi:

Graziani G, Artuso S, De Luca A, Muzi A, Rotili D, Scimeca M, Atzori MG, Ceci C, Mai A, Leonetti C, Levati L, Bonanno E, Tentori L, Caccuri AM. A new water soluble MAPK activator exerts antitumor activity in melanoma cells resistant to the BRAF inhibitor vemurafenib. *Biochem Pharmacol*. 2015 May 1;95(1):16-27. doi: 10.1016/j.bcp.2015.03.004.

Signore A, Capriotti G, Chianelli M, Bonanno E, Galli F, Catalano C, Quintero AM, De Toma G, Manfrini S, Pozzilli P; Action LADA Group. Detection of insulinitis by pancreatic scintigraphy with ^{99m}Tc-labeled IL-2 and MRI in patients with LADA (Action LADA 10). *Diabetes Care*. 2015 Apr;38(4):652-8. doi: 10.2337/dc14-0580.

De Luca A, Rotili D, Carpanese D, Lenoci A, Calderan L, Scimeca M, Mai A, Bonanno E, Rosato A, Geroni C, Quintieri L, Caccuri AM. A novel orally active water-soluble inhibitor of human glutathione transferase exerts a potent and selective antitumor activity against human melanoma xenografts. *Oncotarget*. 2015 Feb 28;6(6):4126-43. PubMed PMID: 25595904; PubMed Central PMCID: PMC4414177.

Scimeca M, Giannini E, Antonacci C, Pistolese CA, Spagnoli LG, Bonanno E. Microcalcifications in breast cancer: an active phenomenon mediated by epithelial cells with mesenchymal characteristics. *BMC Cancer*. 2014 Apr 23;14:286. doi: 10.1186/1471-2407-14-286. PubMed PMID: 24758513; PubMed Central PMCID: PMC4021315.

Glaudemans AW, Bonanno E, Galli F, Zeebregts CJ, de Vries EF, Koole M, Luurtsema G, Boersma HH, Taurino M, Slart RH, Signore A. In vivo and in vitro evidence that ^{99m}Tc-HYNIC-interleukin-2 is able to detect T lymphocytes in vulnerable atherosclerotic plaques of the carotid artery. *Eur J Nucl Med Mol Imaging*. 2014 Sep;41(9):1710-9. doi: 10.1007/s00259-014-2764-0. Epub 2014 Apr 16. PubMed PMID: 24737117.

Manenti G, Nezzo M, Chegai F, Vasili E, Bonanno E, Simonetti G. DWI of Prostate Cancer: Optimal b-Value in Clinical Practice. *Prostate Cancer*. 2014;2014:868269. doi: 10.1155/2014/868269. Epub 2014 Feb 18. PubMed PMID: 24693438; PubMed Central PMCID: PMC3945287.

Manenti G, Scarano AL, Pistolese CA, Perretta T, Bonanno E, Orlandi A, Simonetti G. Subclinical Breast Cancer: Minimally Invasive Approaches. Our Experience with Percutaneous Radiofrequency Ablation vs. Cryotherapy. *Breast Care (Basel)*. 2013 Oct;8(5):356-60. doi: 10.1159/000355707. PubMed PMID: 24415989; PubMed Central PMCID: PMC3861851.

Amelio I, Lena AM, Bonanno E, Melino G, Candi E. miR-24 affects hair follicle morphogenesis targeting Tcf-3. *Cell Death Dis*. 2013 Nov 14;4:e922. doi: 10.1038/cddis.2013.426. PubMed PMID: 24232098; PubMed Central PMCID: PMC3847310.

Marzocchella L, Sini V, Buonomo O, Orlandi A, Masuelli L, Bonanno E, Lista F, Turriziani M, Manzari V, Roselli M, Modesti A, Bei R. Spontaneous immunogenicity of ribosomal P0 protein in patients with benign and malignant breast lesions and delay of mammary tumor growth in P0-vaccinated mice. *Cancer Sci*. 2011 Mar;102(3):509-15. doi: 10.1111/j.1349-7006.2010.01814.x. Epub 2010 Dec 22.

Pellizzari Tregno F, Sau A, Pezzola S, Geroni C, Lapenta C, Spada M, Filomeni G, Bonanno E, Federici G, Caccuri AM. In vitro and in vivo efficacy of 6-(7-nitro-2,1,3-benzoxadiazol-4-ylthio)hexanol (NBDHEX) on human melanoma. *Eur J Cancer*. 2009 Sep;45(14):2606-17. doi: 10.1016/j.ejca.2009.06.033. Epub 2009 Aug 6. PubMed PMID: 19665369.

Buonomo O, Orsaria P, Contino G, Varvaras D, Gioia A, Bonanno E, Pistolese C, Cossu E, Perretta T, Schillaci O, Del Monte G, Roselli M, Mineo TC, Petrella G. Pathological classification of DCIS and planning of therapeutic management. *Anticancer Res*. 2009 May;29(5):1499-506. PubMed PMID: 19443357.

Manenti G, Bolacchi F, Perretta T, Cossu E, Pistolese CA, Buonomo OC, Bonanno E, Orlandi A, Simonetti G. Small breast cancers: in vivo percutaneous US-guided radiofrequency ablation with dedicated cool-tip radiofrequency system. *Radiology*. 2009 May;251(2):339-46. doi: 10.1148/radiol.2512080905. Epub 2009 Mar 20. PubMed PMID: 19304918.

Mercatelli N, Coppola V, Bonci D, Miele F, Costantini A, Guadagnoli M, Bonanno E, Muto G, Frajese GV, De Maria R, Spagnoli LG, Farace MG, Ciafrè SA. The inhibition of the highly expressed miR-221 and miR-222 impairs the growth of prostate carcinoma xenografts in mice. *PLoS One*. 2008;3(12):e4029. doi: 10.1371/journal.pone.0004029. Epub 2008 Dec 24. PubMed PMID: 19107213; PubMed Central PMCID: PMC2603596.