

CURRICULUM DIDATTICO-SCIENTIFICO DEL PROF.SSA ELENA BONANNO

DATI PERSONALI

Nome e Cognome: ELENA BONANNO

Luogo e data di nascita: ROMA 10/09/1959

ATTUALE POSIZIONE: PROFESSORE ASSOCIATO
MED/08

Dipartimento: Medicina Sperimentale e Chirurgia

Indirizzo: Via Montpellier 1

Numero studio: 0620903956

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Orario ricevimento: lunedì 9-12 (confermare via mail)

Settore scientifico-disciplinare: MED/08



ATTIVITA' DIDATTICA - SCIENTIFICA

Titoli accademici e di studio: Professore associato Anatomia Patologica; Medico chirurgo; Dottore di ricerca in patologia umana.

Formazione post-laurea presso istituzioni italiane ed estere ed incarichi professionali (didattici e di ricerca):

Nel periodo gennaio 1990-gennaio 1991 ha collaborato con il dott. Roberto F. Nicosia (responsabile dei laboratori di microscopia elettronica e di biologia cellulare) presso il Department of Pathology del Medical College of Pennsylvania (Philadelphia, PA, USA) approfondendo e apprendendo metodiche di microscopia elettronica a trasmissione, di colture in vitro, in particolare di organo-cultura, di morfologia, di immunoistochimica.

INSEGNAMENTI

- insegnamento anatomia patologica corso di laurea in medicina e chirurgia Università di Roma Tor Vergata (1CFU)
- insegnamento anatomia patologica corso di laurea in medicina e chirurgia in lingua inglese Università di Roma Tor Vergata (3CFU)
- insegnamento anatomia patologica corso di laurea magistrale in biotecnologie mediche Università di Roma Tor Vergata (5 CFU)
- insegnamento fondamenti di cito-istopatologia corso di laurea triennale Tecnico di laboratorio biomedico Università di Roma Tor Vergata (4CFU)
- insegnamento di Istopatologia speciale corso di laurea triennale Tecnico di laboratorio biomedico Università di Roma Tor Vergata (2CFU)
- insegnamento di Elementi di Diagnostica Citopatologica corso di laurea triennale Tecnico di laboratorio biomedico Università di Roma Tor Vergata (1CFU)

Finanziamenti e premi ricevuti per attività di ricerca:

Consolidate the foundation 2016

Attività di ricerca: 15 pubblicazioni selezionate

1. Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer.

- Scimeca M, Antonacci C, Toschi N, Giannini E, Bonfiglio R, Buonomo CO, Pistolese CA, Tarantino U, **BONANNO E**. Clin Breast Cancer. 2017 Dec 5. [Epub ahead of print], "Clin Breast Cancer.
2. Animal models for the study of inflammatory bowel diseases: a meta-analysis on modalities for imaging inflammatory lesions. Auletta S, Bonfiglio R, Wunder A, Varani M, Galli F, Borri F, Scimeca M, Niessen HG, Schanberger T, **BONANNO E**. Q J Nucl Med Mol Imaging. 2018 Mar
 3. Impairment of PTX3 expression in osteoblasts: a key element for osteoporosis. Scimeca M*, Salustri A*, **BONANNO E***, Nardozi D, Rao C, Piccirilli E, Feola M, Tancredi V, Rinaldi A, Iolascon G, Orlandi A, Gasbarra E, Maffulli N, Brandi ML, Tarantino U. (* equally contributed) Cell Death Dis. 2017 Oct 12
 4. The anti-vascular endothelial growth factor receptor-1 monoclonal antibody D16F7 inhibits invasiveness of human glioblastoma and glioblastoma stem cells. Atzori MG, Tentori L, Ruffini F, Ceci C, Lisi L, **BONANNO E**, Scimeca M, Eskilsson E, Daubon T, Miletic H, Ricci Vitiani L, Pallini R, Navarra P, Bjerkvig R, D'Atri S, Lacal PM, Graziani G. J Exp Clin Cancer Res. 2017 Aug 10
 5. Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus. Campagnolo L, Massimiani M, Vecchione L, Piccirilli D, Toschi N, Magrini A, **BONANNO E**, Scimeca M, Castagnozzi L, Buonanno G, Stabile L, Cubadda F, Aureli F, Fokkens PH, Kreyling WG, Cassee FR, Pietroiusti A. Nanotoxicology. 2017 Jun
 6. Elemental analysis of histological specimens: a method to unmask nano asbestos fibers. Scimeca M, Pietroiusti A, Milano F, Anemona L, Orlandi A, Marsella LT, **BONANNO E**. Eur J Histochem. 2016 Feb 1
 7. Emerging prognostic markers related to mesenchymal characteristics of poorly differentiated breast cancers. Scimeca M, Antonacci C, Colombo D, Bonfiglio R, Buonomo OC, **BONANNO E**. Tumour Biol. 2016 Apr
 8. Microcalcifications in breast cancer: an active phenomenon mediated by epithelial cells with mesenchymal characteristics. Scimeca M, Giannini E, Antonacci C, Pistolese CA, Spagnoli LG, **BONANNO E**. BMC Cancer. 2014 Apr 23
 9. miR-24 affects hair follicle morphogenesis targeting Tcf-3. Amelio I, Lena AM, **BONANNO E**, Melino G, Candi E. Cell Death Dis. 2013 Nov 14
 10. Role of inflammation in atherosclerosis. Spagnoli LG, **BONANNO E**, Sangiorgi G, Mauriello A. J Nucl Med. 2007 Nov
 11. Persistent Chlamydia pneumoniae infection of cardiomyocytes is correlated with fatal myocardial infarction. Spagnoli LG, Pucci S, **BONANNO E**, Cassone A, Sesti F, Ciervo A, Mauriello A. Am J Pathol. 2007 Jan
 12. Extracranial thrombotically active carotid plaque as a risk factor for ischemic stroke. Spagnoli LG, Mauriello A, Sangiorgi G, Fratoni S, **BONANNO E**, Schwartz RS, Piepgras DG, Pistolese R, Ippoliti A, Holmes DR Jr JAMA. 2004 Oct 20
 13. Widespread myocardial inflammation and infarct-related artery patency., Abbate A, **BONANNO E**, Mauriello A, Bussani R, Biondi-Zoccai GG, Liuzzo G, Leone AM, Silvestri F, Dobrina A, Baldi F, Pandolfi F, Biasucci LM, Baldi A, Spagnoli LG, Crea F. Circulation. 2004 Jul 6
 14. Flow cytometry analysis of atherosclerotic plaque cells from human carotids: a validation study. **BONANNO E**, Mauriello A, Partenzi A, Anemona L, Spagnoli LG. Cytometry. 2000
 15. Inhibition of angiogenesis in vitro by Arg-Gly-Asp-containing synthetic peptide. Nicosia RF, **BONANNO E**. Am J Pathol. 1991 Apr.

ACADEMIC AND SCIENTIFIC CURRICULUM OF PROF. ELENA BONANNO

PERSONAL DATA

Name and Surname: ELENA BONANNO

Place and date of birth: ROME, September 10th 1959

CURRENT POSITION: Associate Professor of Pathology (SSD MED08)

Department: Experimental medicine and surgery

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Consulting hours: Monday 9-12 (by mail appointment)

Italian Ministry of Education Academic-Scientific sector: MED08



SCIENTIFIC AND DIDACTIC ACTIVITY

Education and academic positions: Medicine doctor, PhD

Professional and didactic activities in Italian and Foreign Institutions:

Post-doctoral Fellowship for a research project supported by the National Institutes of Health (USA) to study the function of the extracellular matrix in angiogenesis (January 1990 - January 1991)

In charge of the module "Molecular Biology applied to Pathology" from the academic year 2002-2003 to date (academic year 2012-2013);

MEDICAL BIOTECHNOLOGY SCHOOL

- Coordinator of the course of molecular and cellular biotechnology (aa 2003-04, 2004-05, 2005-06, 2006-07, 2007-08, 2008-2009)
- Coordinator of the course of Biotechnology Diagnostics (aa2009-10, 2010-11)
- Coordinator of the course of Pathology and Molecular Pathology (aa 2011-12, 2012-13)
- Coordinator of the course of Anatomic Pathology (aa 2013-14 to date)

FIRST LEVEL DEGREE FOR BIOMEDICAL LABORATORY TECHNICIANS

Coordinator of the Anatomic Pathology I course from the academic year 2002-2003 to date (academic year 2017-2018);

Coordinator of the Anatomic Pathology II from the academic year 2012-13 to date

Awards and funding: Consolidate the foundation 2016

Research activity: 15 selected publications

1. Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer.

- Scimeca M, Antonacci C, Toschi N, Giannini E, Bonfiglio R, Buonomo CO, Pistolese CA, Tarantino U, **BONANNO E**. Clin Breast Cancer. 2017 Dec 5. [Epub ahead of print], "Clin Breast Cancer.
2. Animal models for the study of inflammatory bowel diseases: a meta-analysis on modalities for imaging inflammatory lesions. Auletta S, Bonfiglio R, Wunder A, Varani M, Galli F, Borri F, Scimeca M, Niessen HG, Schanberger T, **BONANNO E**. Q J Nucl Med Mol Imaging. 2018 Mar
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 15. Inhibition of angiogenesis in vitro by Arg-Gly-Asp-containing synthetic peptide. Nicosia RF, **BONANNO E**. Am J Pathol. 1991 Apr.