

## INFORMAZIONI PERSONALI

**Manuel Scimeca**✉ [manuel.scimeca@unicamillus.org](mailto:manuel.scimeca@unicamillus.org)

Sesso M | Data di nascita 23/05/1983 | Nazionalità Italiana

## ESPERIENZE LAVORATIVE

- (da 20/06/2016 a ad oggi) **Assegnista di ricerca per il progetto: “Management of oncological patients”**  
Università di Roma Tor Vergata. 00133, Roma, Italia.
- (da 01/11/2016 – ad oggi) **Culture della Materia presso “Università di Roma Tor Vergata”**  
Corso “Anatomia Patologica e Molecolare”
- (da 01/11/2016 – ad oggi) **Professore a contratto presso “IRCSS San Raffaele Pisana”**  
Corso “Adattamenti dell’apparato muscoloscheletrico all’esercizio fisico”
- (da 22/07/2016 a 22/06/2017) **Borsista di ricerca per il progetto: “Lo studio del recettore della Vitamina D nell’osso e nel muscolo”.**  
Università di Roma Tor Vergata. 00133, Roma, Italia.
- (da 01/11/2016 – ad oggi) **Responsabile di Laboratorio per Orchidea Lab S.r.l.**  
OrchideaLab. S.r.l., via Morlupo 1, 00100, Roma
- (da 01/01/2013 – ad oggi) **Responsabile di Laboratorio per TMALab S.r.l.**  
TMALab s.r.l., spin off, Università di Roma Tor Vergata, Via della ricerca scientifica 1, 00133 Roma, Italia.
- (da 01/02/2015 a 29/02/2016) **Borsista di Ricerca per progetto “Multidisciplinary Study of the Effects of Microgravity on Bone Cells”.**  
Agenzia Spaziale Italiana (ASI); Dipartimento di Biomedicina Spaziale, Università di Roma Tor Vergata.
- (da 01/11/2011 a 31/10/2014) **PhD in Biotecnologie Mediche e Medicina Traslazionale**  
Università di Roma Tor Vergata, Dipartimento di Biomedicina e Prevenzione, 00133, Roma, Italia.

## ISTRUZIONE E FORMAZIONE

- (da 01/11/2011 a 31/10/2014) **PhD in Biotecnologie Mediche e Medicina Traslazionale**

Università di Roma Tor Vergata, Dipartimento di Biomedicina e Prevenzione, 00133, Roma, Italia

(da 01/10/2009 a 16/07/2011) **Laurea Magistrale in “Biotecnologie Mediche”**  
Università di Roma Tor Vergata.

(da 01/10/2007 a 10/09/2009) **Laurea Triennale in “Biologia Cellulare e Molecolare”**  
Università di Roma Tor Vergata.

COMPETENZE PERSONALI

Lingua madre Italiana

Altre lingue

COMPRESIONE		PARLATO		SCRITTURA
Ascolto	Lettura	Produzione orale	Produzione Scritta	
Inglese	Eccellente	Eccellente	Buono	Eccellente

Abilità comunicative Buono

Competenze organizzative/manageriali Buono

Editorial Board  
Journal of Molecular Biology and Biotechnology  
Letters In Health and Biological Sciences  
Contrast Media and Molecular Imaging

Premi  
Grant “GISOOS” 2016 per il progetto: “Il ruolo dell’accumulo dei metalli pesanti nell’osteoporosi” (The Role of Heavy Metal accumulation in osteoporosis).  
Best scientific contribution – ORTOMED Congress – 2017 “Profilo Cellulare e Molecolare della Sarcopenia nei pazienti Osteoporotici e Osteoartrosici”  
Best scientific contribution – ORTOMED Congress – 2016 “PTX3: un nuovo mediatore del metabolismo osseo e del differenziamento osteoblastico”

PARTECIPAZIONE A CONVEGNI

27-29/10/2011 SIAPEC Congress, Palermo – **Comunicazione Orale: “Ultrastructural microanalysis for metal contaminants assessment in pleuro-pulmonary cancer”**

29-30/06/2012 Annual Meeting of the Italian Group for Ultrastructural Pathology Siapec-Gipu, Urbino  
**Comunicazione Orale: “Ultrastructural and microanalytical study of a subcutaneous granuloma HPV Tetravalent vaccine induced: a case report”**

8-12/09/2012 European Congress of Pathology – Praga - **Comunicazione Orale: “Elemental composition of breast microcalcifications: comparative study in benign and malignant lesions”**

26-30/10/2013 SIAPEC Congress – Roma – **Comunicazione orale: “Mammary calcifications: active phenomenon or simple bystanders in breast cancer ?”**

22-25/10/2014 SIAPEC Congress – Firenze – **Comunicazione Orale: “EDX microanalysis of breast cancer: elemental and phenotypic characterization and relationship to radiodensity of microcalcifications”**

- 24-26/09/2015 SIAPEC Congress – Milano - **Comunicazione Orale: “Microcalcifications drive breast cancer occurrence and development.”**
- 24-25/11/2016 Animal House course - Roma - **Invited speaker “Tecniche di Istopatologia”**
- 16/09/2016 I.S.Mu.L.T. Workshop – Roma - **Comunicazione Orale : “ Bone morphogenetic proteins in bone healing”**
- 26/11/2016 SIAPEC Congress – Genova - **Comunicazione Orale: “Breast osteoblast like-cells (bolcs): the “makers” of bone metastatic process?”**
- 01/12/2016 Sport Traumatology & Sport Medicine Meeting – Roma - **Comunicazione Orale: “Muscle for the bone quality”**
- 20-23/10/2017 SIOT Congress – Palermo - **Comunicazione Orale: “Bone Fracture Healing: an Update”**
- 14-16/12/2017 ORTOMED Congress – Firenze - **Comunicazione Orale: “Profilo Cellulare e Molecolare della Sarcopenia nei pazienti Osteoporotici e Osteoartrosici”**
- 14-16/12/2017 ORTOMED Congress – Firenze - **Comunicazione Orale: “PTX3: un nuovo mediatore del metabolismo osseo e dell'osteoporosi”**
- 28-30/06/2018 GISOOS Congress – Trieste- **Invited Speaker- “BMPs and Myostatin in the Sarcopenia”**

## Lista Pubblicazioni

1. Schillaci O, **Scimeca M**, Bonfiglio R, Urbano N, Bonanno E. Combining Diagnostic Imaging and Pathology for Improving Diagnosis and Prognosis of Cancer. *Contrast Media & Molecular Imaging*. Volume 2019, Article ID 9429761, 10 pages
2. Rovella V, **Scimeca M**, Giannini E, D'Ercole A, Giacobbi E, Noce A, D'Urso G, Anselmo A, Bove P, Santeusano G, Bonanno E, Casasco M, Mauriello S, Di Daniele N, Mauriello A, Anemona L. Morphological evaluation of sympathetic renal innervation in patients with autosomal dominant polycystic kidney disease. *J Nephrol*. 2019 Apr 25. doi: 10.1007/s40620-019-00612-3.
3. **Scimeca M**, Pietrolungo F, Bonfiglio R, Bonanno E, Tancredi V. Role of physical activity in onset, prevention and treatment of human neoplasms. *Future Oncol*. 2019 Apr;15(11):1181-1183.
4. **Scimeca M**, Bonfiglio R, Urbano N, Cerroni C, Anemona L, Montanaro M, Fazi S, Schillaci O, Mauriello A, Bonanno E. Programmed death ligand 1 expression in prostate cancer cells is associated with deep changes of the tumor inflammatory infiltrate composition. *Urol Oncol*. 2019 May;37(5):297.e19-297.e31.
5. Schillaci O, **Scimeca M**, Trivigno D, Chiaravalloti A, Facchetti S, Anemona L, Bonfiglio R, Santeusano G, Tancredi V, Bonanno E, Urbano N, Mauriello A. Prostate cancer and inflammation: A new molecular imaging challenge in the era of personalized medicine. *Nucl Med Biol*. 2019 Jan 19. pii: S0969-8051(18)30323-8.
6. **Scimeca M**, Montanaro M, Bonfiglio R, Anemona L, Bonanno E. Electron microscopy in human diseases: diagnostic and research perspectives. *Nanomedicine (Lond)*. 2019 Feb;14(4):371-373.
7. Cardellini M, Rovella V, **Scimeca M**, Anemona L, Bischetti S, Casella S, Saggini A, Bonanno E, Ballanti M, Davato F, Menghini R, Ippoliti A, Santeusano G, Di Daniele N, Federici M, Mauriello A. Chronic Kidney Disease Is Linked to Carotid Nodular Calcification, An Unstable Plaque Not Correlated to Inflammation. *Aging Dis*. 2019 Feb 1;10(1):71-81.
8. **Scimeca M**, Urbano N, Rita B, Mapelli SN, Catapano CV, Carbone GM, Ciuffa S, Tavolozza M, Schillaci O, Mauriello A, Bonanno E. Prostate Osteoblast-Like Cells: A Reliable Prognostic Marker of Bone Metastasis in Prostate Cancer Patients. *Contrast Media Mol Imaging*. 2018 Dec 9;2018:9840962.
9. Urbano N, **Scimeca M**, Bonanno E, Schillaci O. 99mTc sestamibi SPECT: a possible tool for early detection of breast cancer lesions with high bone metastatic potential. *Future Oncol*. 2019 Feb;15(5):455-457.
10. **Scimeca M**, Bonanno E. New highlight in breast cancer development: the key role of hepcidin and iron metabolism. *Ann Transl Med*. 2018 Nov;6(Suppl 1):S56.
11. **Scimeca M**, Centofanti F, Celi M, Gasbarra E, Novelli G, Botta A, Tarantino U. Vitamin D Receptor in Muscle Atrophy of Elderly Patients: A Key Element of Osteoporosis-Sarcopenia Connection. *Aging Dis*. 2018 Dec 4;9(6):952-964.
12. Bruni E, Reichle A, **Scimeca M**, Bonanno E, Ghibelli L. Lowering Etoposide Doses Shifts Cell Demise From Caspase-Dependent to Differentiation and Caspase-3-Independent Apoptosis via DNA Damage Response, Inducing AML Culture Extinction. *Front Pharmacol*. 2018 Nov 13;9:1307.
13. Di Leo L, Vegliante R, Ciccarone F, Salvatori I, **Scimeca M**, Bonanno E, Sagnotta A, Grazi GL, Aquilano K, Ciriolo MR. Forcing ATGL expression in hepatocarcinoma cells imposes glycolytic rewiring through PPAR- $\alpha$ /p300-mediated acetylation of p53. *Oncogene*. 2018 Oct 26. doi: 10.1038/s41388-018-0545-0.
14. Urbano N, **Scimeca M**, Bonanno E, Schillaci O. **Nuclear medicine and Anatomic Pathology in personalized medicine: a challenging alliance** *Per Med*. 2018 Nov;15(6):457-459.
15. **Scimeca M**, Urbano N, Bonfiglio R, Schillaci O, Bonanno E. **Breast Osteoblast-like cells: a new biomarker for the management of breast cancer** *Br J Cancer*. 2018 Oct;119(9):1129-1132.
16. Urbano N, **Scimeca M**, Bonanno E, Schillaci O. **99mTc sestamibi SPECT: a possible tool for early detection of breast cancer lesions with high bone metastatic potential**. *Future Oncology*. INPRESS
17. Bonfiglio R, **Scimeca M**, Urbano N, Bonanno E, Schillaci O. **Breast microcalcifications: Biological and Diagnostic Perspectives**. *Future Oncol*. 2018 Nov 9.

1. Cerroni B, Cicconi R, Oddo L, **Scimeca M**, Bonfiglio R, Bernardini R, Palmieri G, Domenici F, Bonanno E, Mattei M, Paradossi G. **In vivo biological fate of poly(vinylalcohol) microbubbles in mice.** *Heliyon*. 2018 Sep 17;4(9):e00770.
2. Gioia M, Michaletti A, **Scimeca M**, Marini M, Tarantino U, Zolla L, Coletta M. **Simulated microgravity induces a cellular regression of the mature phenotype in human primary osteoblasts.** *Cell Death Discov*. 2018 May 10;4:59. doi: 10.1038/s41420-018-0055-4.
3. Bonfiglio R, **Scimeca M**, Toschi N, Pistolese CA, Giannini E, Antonacci C, Ciuffa S, Tancredi V, Tarantino U, Albonici L, Bonanno E. **Radiological, Histological and Chemical Analysis of Breast Microcalcifications: Diagnostic Value and Biological Significance.** *J Mammary Gland Biol Neoplasia*. 2018 May 9. doi: 10.1007/s10911-018-9396-0.
4. Tarantino U, **Scimeca M**. **Bone Morphogenetic Proteins (BMPs), satellite cells and Sarcopenia: Perspective in translational medicine.** *J Gerontol A Biol Sci Med Sci*. 2018 Apr 12. doi: 10.1093/gerona/gly079.
5. **Scimeca M**, Bonfiglio R, Varone F, Ciuffa S, Mauriello A, Bonanno E. **Calcifications in prostate cancer: An active phenomenon mediated by epithelial cells with osteoblast-phenotype.** *Microsc Res Tech*. 2018 Apr 6. doi: 10.1002/jemt.23031.
6. **Scimeca M**, Urbano N, Bonfiglio R, Schillaci O, Bonanno E. **Management of oncological patients in the digital era: anatomic pathology and nuclear medicine teamwork.** *Future Oncol*. 2018 May;14(11):1013-1015. doi: 10.2217/fon-2017-0698.
7. Rovella V, Anemona L, Cardellini M, **Scimeca M**, Saggini A, Santeusano G, Bonanno E, Montanaro M, Legramante IM, Ippoliti A, Di Daniele N, Federici M, Mauriello A. **The role of obesity in carotid plaque instability: interaction with age, gender, and cardiovascular risk factors.** *Cardiovasc Diabetol*. 2018 Mar 29;17(1):46. doi: 10.1186/s12933-018-0685-0.
8. Cardellini M, Rovella V, **Scimeca M**, Anemona L, Bischetti S, Casella S, Saggini A, Bonanno E, Ballanti M, Davato F, Menghini R, Ippoliti A, Santeusano G, Di Daniele N, Federici M, Mauriello A. **Chronic Kidney Disease Is Linked to Carotid Nodular Calcification, An Unstable Plaque Not Correlated to Inflammation.** *AGING AND DISEASE*, ISSN: 2152-5250, doi: 10.14336/AD.2018.0117
9. **Scimeca M**, Centofanti F, Celi M, Gasbarra E, Novelli G, Botta A, Tarantino U. **Vitamin D Receptor in Muscle Atrophy of Elderly Patients: A Key Element of Osteoporosis-Sarcopenia Connection.** *AGING AND DISEASE*, ISSN: 2152-5250. 10.14336/AD.2018.0215
10. **Scimeca M**, Bischetti S, Lamsira HK, Bonfiglio R, Bonanno E. **Energy Dispersive X-ray (EDX) microanalysis: A powerful tool in biomedical research and diagnosis.** *Eur J Histochem*. 2018 Mar 15;62(1):2841.
11. **Scimeca M**, Antonacci C, Toschi N, Giannini E, Bonfiglio R, Buonomo CO, Pistolese CA, Tarantino U, Bonanno E. **Breast Osteoblast-like Cells: A Reliable Early Marker for Bone Metastases From Breast Cancer.** *Clin Breast Cancer*. 2017 Dec 5. pii: S1526-8209(17)30209-4.
12. **Scimeca M**, Bonfiglio R, Montanaro M, Bonanno E. **Osteoblast-like cells in human cancers: new cell type and reliable markers for bone metastasis.** *Future Oncol*. 2018 Jan;14(1):9-11.
13. Auletta S, Bonfiglio R, Wunder A, Varani M, Galli F, Borri F, **Scimeca M**, Niessen HG, Schönberger T, Bonanno E. **Animal models for studying inflammatory bowel diseases (IBD): a meta-analysis on modalities for imaging inflammatory lesions.** *Q J Nucl Med Mol Imaging*. 2017 Nov 30.
14. Atzori MG, Tentori L, Ruffini F, Ceci C, Bonanno E, **Scimeca M**, Lacial PM, Graziani G. **The Anti-Vascular Endothelial Growth Factor Receptor-1 Monoclonal Antibody D16F7 Inhibits Glioma Growth and Angiogenesis In Vivo.** *J Pharmacol Exp Ther*. 2018 Jan;364(1):77-86.
15. **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. **Impairment of PTX3 expression in osteoblasts: a key element for osteoporosis.** *Cell Death Dis*. 2017 Oct 12;8(10):e3125.
16. Bonfiglio R, Nardozi D, **Scimeca M**, Cerroni C, Mauriello A, Bonanno E. **PD-L1 in immune-escape of breast and prostate cancers: from biology to therapy.** *Future Oncol*. 2017 Oct;13(24):2129-2131.
17. Carpentieri A, Cozzoli E, Aciri F, Ranalli M, Diedenhofen G, **Scimeca M**, Bonanno E, Gambacurta A. **Rapid Rapamycin-**

- Only Induced Osteogenic Differentiation of Blood-Derived Stem Cells and Their Adhesion to Natural and Artificial Scaffolds.** Stem Cells International 2017. doi.org/10.1155/2017/2976541.
18. **Scimeca M**, Starace F, Gratti D, Sapia VB, Bonfiglio R, Bonfiglio R, Bonanno E. **Osteotropism of Breast and Prostate Cancer: Clinical and Experimental Perspective.** Int J Immunother Cancer Res 2017 3(2): 032-033.
  19. 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, Bjerkgvig R, D'Atri S, Lacal PM, Graziani G. **The anti-vascular endothelial growth factor receptor-1 monoclonal antibody D16F7 inhibits invasiveness of human glioblastoma and glioblastoma stem cells.** J Exp Clin Cancer Res. 2017 Aug 10;36(1):106.
  20. Tarantino U, Feola M, Celi M, **Scimeca M**. **PTX3, a new kingmaker between bone metabolism and osteoporosis.** Muscle, Ligaments and Tendons Journal 2017;7 (1):200-201. doi: 10.11138/mltj/2017.7.1.200.
  21. 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. **Silver nanoparticles inhaled during pregnancy reach and affect the placenta and the foetus.** Nanotoxicology. 2017 Jun;11(5):687-698.
  22. Bischetti S, **Scimeca M\***, Bonanno E, Federici M, Anemona L, Menghini R, Casella S, Cardellini M, Ippoliti A, Mauriello A. **Carotid plaque instability is not related to quantity but to elemental composition of calcification.** Nutr Metab Cardiovasc Dis. 2017 Sep;27(9):768-774. **\*Equally contributed**
  23. Catinari M, **Scimeca M\***, Amorosino M, Marini M, Bonanno E, Tancredi V. **Mandibular regeneration after immediate load dental implant in a periodontitis patient: A clinical and ultrastructural case report.** Medicine (Baltimore). 2017 Apr;96(15):e6600. **\*Equally contributed**
  24. Rita Bonfiglio, Virginia Tancredi, Mario Marini, Annamaria Rinaldi, **Manuel Scimeca**, Elena Bonanno. **Pluripotent Stem Cells: the Hidden Treasure of the Human Milk.** 2017. Lett Health Biol Sci 2(1):1- 2.
  25. **Scimeca M**, Piccirilli E, Mastrangeli F, Rao C, Feola M, Orlandi A, Gasbarra E, Bonanno E, Tarantino U. **Bone Morphogenetic Proteins and myostatin pathways: key mediator of human sarcopenia.** J Transl Med. 2017 Feb 15;15(1):34.
  26. Ceci C, Tentori L, Atzori MG, Lacal PM, Bonanno E, **Scimeca M**, Cicconi R, et al. **Ellagic Acid Inhibits Bladder Cancer Invasiveness and In Vivo Tumor Growth.** Nutrients 2016, 8(11), 744; doi:10.3390/nu811074
  27. Graziani G, Ruffini F, Tentori L, **Scimeca M**, Dorio AS, Atzori MG, Failla CM, Morea V, Bonanno E, D'Atri S, Lacal PM. **Antitumor activity of a novel anti-vascular endothelial growth factor receptor-1 monoclonal antibody that does not interfere with ligand binding.** Oncotarget. 2016 Sep 19. doi: 10.18632/oncotarget.12108.
  28. Tarantino U, Baldi J, **Scimeca M**, Piccirilli E, Piccioli A, Bonanno E, Gasbarra E. **The role of sarcopenia with and without fracture.** Injury. 2016 Aug 2. pii: S0020-1383(16)30365-5. doi: 10.1016/j.injury.2016.07.057.
  29. **Scimeca M**, Feola M, Romano L, Rao C, Gasbarra E, Bonanno E, Brandi ML, Tarantino U. **Heavy metals accumulation affects bone microarchitecture in osteoporotic patients.** Environ Toxicol. 2016 Jul 27. doi: 10.1002/tox.22327.
  30. **Scimeca M**, Bischetti S, Bonanno E. **Energy Dispersive X-ray (EDX) Microanalysis in Biomedical Research.** (2016) Lett Health Biol Sci 1(1): 1- 2
  31. Di Pietro G, Manenti G, Vinicola V, Fusco A, Baldi J, **Scimeca M**, Hagberg G, Bozzali M, Simonetti G, Tarantino U. **Bone-marrow lipid profiles from peripheral skeleton as potential biomarkers for osteoporosis: a 1H-MR Spectroscopy study.** Acad Radiol. 2016 Mar;23(3):273-83.
  32. **Scimeca M**, Antonacci C, Bonanno E. **Breast Microcalcifications: A Focus.** J Cell Sci Ther 2015, S8.
  33. **Scimeca M**, Antonacci C, Colombo D, Bonfiglio R, Buonanno OC, Bonanno E. **Emerging prognostic markers related to mesenchymal characteristics of poorly differentiated breast cancers.** Tumour Biol. 2015 Nov 12.
  34. Gambacurta A, Carpentieri A, Cozzoli E, **Scimeca M**, Bonanno E, and Sardanelli AM. **Differentiation of human neuroblastoma cells towards the osteogenic lineage by mTor inhibitor.** Cell Death Dis. 2015 Nov 12;6:e1974



35. Tarantino U, **Scimeca M**, Piccirilli E, Tancredi V, Baldi J, Gasbarra E, Bonanno E. **Sarcopenia: a histological and immunohistochemical study on age-related muscle impairment.** Aging Clin Exp Res. 2015 Jul 22.
36. **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.
37. 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.
38. **Scimeca M**, Pietroiusti A, Milano F, Anemona L, Orlandi A, Marsella LT, Bonanno A. **Elemental analysis of histological specimens: a method to unmask nano asbestos fibers.** European Journal of Histochemistry 2014; 2573. <http://dx.doi.org/10.4081/ejh.2016.2573>
39. 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. 2014 Dec 18.
40. **Scimeca M**, Orlandi A, Terrenato I, Bischetti S, Bonanno. **Assessment of metal contaminants in non-small cell lung cancer by EDX microanalysis.** European Journal of Histochemistry 2014; volume 58:2403
41. Di Marco G, Gismondi A, Canuti L, **Scimeca M**, Volpe A, Canini A. **Tetracycline accumulates in Iberis sempervirens L. through apoplastic transport inducing oxidative stress and growth inhibition.** PLANT BIOLOGY, vol. 14; p. 286-286, ISSN: 1438-8677, doi: 10.1111/plb.12102
42. **Scimeca M.**, Giannini E, Antonacci C, Pistolese CA, Spagnoli LG, Bonanno E (2014). **Microcalcifications in breast cancer: an active phenomenon mediated by epithelial cells with mesenchymal characteristics.** BMC CANCER, vol. 14; p. 286-286, ISSN: 1471-2407, doi: 10.1186/1471-2407-14-286.
43. **Scimeca M.**, Anemona A, Colantoni A, Bonanno E (2013). **Ultrastructural and Microanalytical Study of a Subcutaneous Granuloma HPV Tetraivalent Vaccine Induced: A Case Report and Review of Literature.** JOURNAL OF MEDICAL CASES, vol. 14; p. 286-286, ISSN: 1923-4155, doi: 10.4021/jmc1193w.

#### Lavori Sottomessi

1. Urbano N, **Scimeca M**, Bonanno E, Schilaci O. **Nuclear medicine and Anatomic Pathology in personalized medicine: a challenging alliance** Personalized medicine journal
2. **Scimeca M**, Urbano N, Bonfiglio R, Schilaci O, Bonanno E. **Breast Osteoblast-like cells: a new biomarker for the management of breast cancer.** BJC
3. **Scimeca M**, Bonfiglio R, Urbano N et al. **PD-L1 expression in prostate cancer cells is associated with deep changes of the tumor inflammatory infiltrate composition.** The prostate journal

#### Capitoli di Libri

Luigi Giusto Spagnoli, Alessandro Mauriello, Augusto Orlandi, **Manuel Scimeca**, Antonio Volpe, and Elena Bonanno. Aging. MUSCLE Fundamental Biology and Mechanisms of Disease. vol. II, p. 2012 1371-1382.

**Scimeca M**, Piccirilli E, Gasbarra E, Bonanno E and Tarantino U. Bone Metabolism and Bone Healing. Bone healing: an update. Benazzo, Mosconi (Eds.). 2017 (in press)

Autorizzo il trattamento dei miei dati personali ai sensi del Decreto Legislativo 30 giugno 2003, n. 196  
"Codice in materia di protezione dei dati personali.

A handwritten signature in black ink, appearing to read "Manuel Scimeca".