


INFORMAZIONI PERSONALI



Manuel Scimeca

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GENERE M | DATA DI NASCITA 23/05/1983 | NAZIONALITA' Italiana

INDICI BIBLIOMETRICI

Scopus

Numero Lavori: 103

H-Index: 23

Citazioni: 1473

ESPERIENZE AVORATIVE

- (dal 2022) **Ricercatore tipo ai sensi dell'art. 24, comma 3, lettera B tempo pieno (SSD MED/46)**
Università degli studi di Roma Tor Vergata, via Montpellier, 01, 00133, Roma
- (Dal 2019) **Professore a contratto "Saint Camillus International University of Health Sciences"**
Laurea professionalizzante in Tecnici di Laboratorio Biomedico - Corso "Fondamenti di Istopatologia e Istologia Speciale"
- (dal 2016) **Professore a contratto "Università Telematica San Raffaele"**
Laure Magistrale in Scienze e Tecniche delle Attività Motorie Preventive e Adattate – Corso "Adattamenti dell'apparato muscoloscheletrico all'esercizio fisico"
- (dal 2015 al 2019) **Attività di Ricerca Post-Dottorato.**
Università degli studi di Roma Tor Vergata, via Montpellier, 01, 00133, Roma .
- (dal 2016) **Socio Fondatore e Biologo presso Orchidea Lab S.r.l.**
OrchideaLab. S.r.l., via Morlupo 1, 00100, Roma
- (dal 2013 al 2016) **Socio Fondatore e Biologo presso lo spin-off universitario TMALab S.r.l.**
Università degli studi di Roma Tor Vergata, via Montpellier, 01, 00133, Roma.
- (dal 2011 al 2014) **PhD in Biotecnologie Mediche e Medicina Traslazionale**
Università degli studi di Roma Tor Vergata, via Montpellier, 01, 00133, Roma.

TITOLI DI STUDIO

- (31/10/2014) **PhD in Biotecnologie Mediche e Medicina Traslazionale**
Università degli studi di Roma Tor Vergata, via Montpellier, 01, 00133, Roma.
- (16/07/2011) **Laurea Magistrale in Biotecnologie Mediche**
Università degli studi di Roma Tor Vergata, via Montpellier, 01, 00133, Roma.
- (10/09/2009) **Laurea Triennale in Biologia Cellulare e Molecolare**
Università degli studi di Roma Tor Vergata, via Montpellier, 01, 00133, Roma.

COMPETENZE

Lingua Madre Italiano

ALTRA LINGUA

	COMPRESIONE		CONVERSAZIONE	SCRITTURA
	Ascolto	Lettura		
English	Eccellente	Eccellente	Buono	Eccellente

Comunicazione ▪ Ottimo

Organizzazione Ottimo

Editorial Board International Journal of Molecular Sciences MDPI group
Diagnostics MDPI group
Biomedicine MDPI group
Journal of Molecular Biology and Biotechnology
Letters In Health and Biological Sciences
Contrast Media and Molecular Imaging
Gest Editor "Seminars In Cancer Biology" Special Issue "Precision Medicine in Breast Cancer"

Premi Grant "Post-doctoral Fellowships 2019" – Fondazione Veronesi
Grant "GISOOS" 2016 pre il Progetto "The Role of Heavy Metal accumulation in osteoporosis".
Miglior contributo scientifico – ORTOMED Congress – 2017 "Profilo Cellulare e Molecolare della Sarcopenia nei pazienti Osteoporotici e Osteoartrosici"
Miglior contributo scientifico – ORTOMED Congress – 2016 "PTX3: un nuovo mediatore del metabolismo osseo e del differenziamento osteoblastico"

CONGRESSI

- 27-29/10/2011 SIAPEC Congress, Palermo - **Oral communication "Ultrastructural microanalysis for metal contaminants assessment in pleuro-pulmonary cancer"**
- 29-30/06/2012 Annual Meeting of the Italian Group for Ultrastructural Pathology Siaepec-Gipu, Urbino
Oral Communication "Ultrastructural and microanalytical study of a subcutaneous granuloma HPV Tetraivalent vaccine induced: a case report"
- 8-12/09/2012 European Congress of Pathology – Prague - **Oral Communication "Elemental composition of breast microcalcifications: comparative study in benign and malignant lesions"**

- 26-30/10/2013 SIAPEC Congress – Rome - **Oral Communication** “*Mammary calcifications: active phenomenon or simple bystanders in breast cancer?*”
- 22-25/10/2014 SIAPEC Congress – Firenze - **Oral Communication** “*EDX microanalysis of breast cancer: elemental and phenotypic characterization and relationship to radiodensity of microcalcifications*”
- 24-26/09/2015 SIAPEC Congress – Milan - **Oral Communication** “*Microcalcifications drive breast cancer occurrence and development.*”
- 24-25/11/2016 Animal House course - Rome - **Invited speaker** “*Tecniche di Istopatologia*”
- 16/09/2016 I.S.Mu.L.T. Workshop – Rome - **Oral Communication** “*bone morphogenetic proteins in bone healing*”
- 26/11/2016 SIAPEC Congress – Genova - **Oral Communication** “*Breast osteoblast like-cells (bolcs): the “makers” of bone metastatic process?*”
- 01/12/2016 Sport Traumatology & Sport Medicine Meeting – Rome - **Oral Communication** “*Muscle for the bone quality*”
- 20-23/10/2017 SIOT Congress – Palermo - **Oral Communication** “*Bone Fracture Healing: an Update*”
- 14-16/12/2017 ORTOMED Congress – Firenze - **Oral Communication** “*Profilo Cellulare e Molecolare della Sarcopenia nei pazienti Osteoporotici e Osteoartrosici*”
- 14-16/12/2017 ORTOMED Congress – Firenze - **Oral Communication** “*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*”
- 17/10/2019 SIAPEC Congress - Torino - **Oral Communication** “*COMBINING MOLECULAR IMAGING AND PATHOLOGY FOR DETECTION OF HIGH GRADE CANCER LESIONS EXPRESSING BONE BIOMARKERS*”
- 18/10/2019 SIAPEC Congress - Torino - **Oral Communication** “*RANKL, BMP2 AND PTX3 AS BONE METASTASIS MARKERS IN INFILTRATING LOBULAR BREAST CARCINOMA: PRELIMINARY RESULTS.*”
- 19/10/2019 SIAPEC Congress - Torino - **Oral Communication** “*MICROCALCIFICATIONS DRIVE BREAST CANCER OCCURRENCE AND DEVELOPMENT BY MACROPHAGES-MEDIATED EPITHELIAL TO MESENCHYMAL TRANSITION.*”

PUBBLICAZIONI

1. Cariati I, **Scimeca M**, Bonanni R, Triolo R, Naldi V, Toro G, Marini M, Tancredi V, Iundusi R, Gasbarra E, Tarantino U. *Role of Myostatin in Muscle Degeneration by Random Positioning Machine Exposure: An in vitro Study for the Treatment of Sarcopenia*. Front Physiol. 2022 Feb 3;13:782000.
2. Menghini R, Hoyles L, Cardellini M, Casagrande V, Marino A, Gentileschi P, Davato F, Mavilio M, Arisi I, Mauriello A, Montanaro M, **Scimeca M**, Barton RH, Rappa F, Cappello F, Vinciguerra M, Moreno-Navarrete JM, Ricart W, Porzio O, Fernández-Real JM, Burcelin R, Dumas ME, Federici M. *ITCH E3 ubiquitin ligase downregulation compromises hepatic degradation of branched-chain amino acids*. Mol Metab. 2022 Feb 9;59:101454.
3. Cariati I, Bonanni R, Pallone G, **Scimeca M**, Frank C, Tancredi V, D'Arcangelo G. *Hippocampal Adaptations to Continuous Aerobic Training: A Functional and Ultrastructural Evaluation in a Young Murine Model*. J Funct Morphol Kinesiol. 2021 Dec 8;6(4):101. doi: 10.3390/jfmk6040101.
4. Urbano N, **Scimeca M**, Bonanno E, Schillaci O. *Radiopharmaceutical preclinical investigation: an accurate and multidisciplinary approach*. Curr Radiopharm. 2021 Dec 9. doi: 10.2174/1874471014666211209154317.
5. **Scimeca M**, Montanaro M, Cardellini M, Bonfiglio R, Anemona L, Urbano N, Bonanno E, Menghini R, Casagrande V, Martelli E, Servadei F, Giacobbi E, Ippoliti A, Bei R, Manzari V, Federici M, Schillaci O, Mauriello A. *High Sensitivity C-Reactive Protein Increases the Risk of Carotid Plaque Instability in Male Dyslipidemic Patients*. Diagnostics (Basel). 2021 Nov 15;11(11):2117.
6. Urbano N, **Scimeca M**, Tolomeo A, Dimiccoli V, Bonanno E, Schillaci O. *Novel Biological and Molecular Characterization in Radiopharmaceutical Preclinical Design*. J Clin Med. 2021 Oct 21;10(21):4850.
7. Montanaro M, **Scimeca M**, Toschi N, Bonanno E, Giacobbi E, Servadei F, Ippoliti A, Santeusanio G, Mauriello A, Anemona L. *Effects of Risk Factors on In Situ Expression of Proinflammatory Markers Correlated to Carotid Plaque Instability*. Appl Immunohistochem Mol Morphol. 2021 May 26. doi: 10.1097/PAI.0000000000000947. **Equally first author IF 1.863**
8. Greggi G, Cariati I, Onorato F, Iundusi R, **Scimeca M**, Tarantino U. *PTX3 Effects on Osteogenic Differentiation in Osteoporosis: An In Vitro Study*. Int. J. Mol. Sci. 2021, 22(11), 5944 **IF 4.152**
9. Urbano N, Scimeca M, Tavolozza M, Bonanno E, Mauriello A, Schillaci O. *18F-FDG-PET/CT analysis in hospitalized patients affected by pulmonary disease*. Nuclear Medicine Communications: May 19, 2021 doi: 10.1097/MNM.0000000000001444 **IF 1.334**
10. Servadei F, Anemona L, Cardellini M, **Scimeca M**, Montanaro M, Rovella V, Di Daniele F, Giacobbi E, Legramante IM, Noce A, Bonfiglio R, Borboni P, Di Daniele N, Ippoliti A, Federici M, Mauriello A. *The risk of carotid plaque instability in patients with metabolic syndrome is higher in women with hypertriglyceridemia*. Cardiovasc Diabetol. 2021 May 6;20(1):98. **IF 7.332**
11. **Scimeca M**, Urbano N, Toschi N, Bonanno E, Schillaci O. *Precision medicine in breast cancer: From biological imaging to artificial intelligence*. Semin Cancer Biol. 2021 Apr 29:S1044-579X(21)00120-6. **IF 11.090**

12. Servadei F, Mauriello S, **Scimeca M**, Caggiano B, Ciotti M, Anemona L, Montanaro M, Giacobbi E, Treglia M, Bernardini S, Marsella LT, Urbano N, Schillaci O, Mauriello A. ***Persistence of SARS-CoV-2 Viral RNA in Nasopharyngeal Swabs after Death: An Observational Study.*** *Microorganisms*. 2021 Apr 10;9(4):800. **Equally first author IF 4.152**
13. Bonfiglio R, Galli F, Varani M, **Scimeca M**, Borri F, Fazi S, Cicconi R, Mattei M, Campagna G, Schönberger T, Raymond E, Wunder A, Signore A, Bonanno E. ***Extensive Histopathological Characterization of Inflamed Bowel in the Dextran Sulfate Sodium Mouse Model with Emphasis on Clinically Relevant Biomarkers and Targets for Drug Development.*** *Int J Mol Sci*. 2021 Feb 18;22(4):2028. **IF 4.556**
14. **Scimeca M**, Mauriello S, Servadei F, Caggiano B, Ciotti M, Anemona L, Montanaro M, Giacobbi E, Treglia M, Bernardini S, Marsella LT, Schillaci O, Mauriello A. ***Persistence of SARS-CoV-2 viral RNA in nasopharyngeal swabs after death.*** *J Infect*. 2021 May;82(5):e3–e5. **IF 4.842**
15. Vizzi L, Padua E, D'Amico AG, Tancredi V, D'Arcangelo G, Cariati I, **Scimeca M**, Maugeri G, D'Agata V, Montorsi M. ***Beneficial Effects of Physical Activity on Subjects with Neurodegenerative Disease.*** *J Funct Morphol Kinesiol*. 2020 Dec 16;5(4):94.
16. Tarantino U, Greggi G, Cariati I, Visconti VV, Gasparini M, Cateni M, Gasbarra E, Botta A, Salustri A and **Scimeca M**. ***The Role of PTX3 in Mineralization Processes and Aging-related Bone Diseases.*** *Front. Immunol*. 11:622772. doi: 10.3389/fimmu.2020.622772 **IF 5.085**
17. Montanaro M, **Scimeca M**, Anemona L, Servadei F, Giacobbi E, Bonfiglio R, Bonanno E, Urbano N, Ippoliti A, Santeusano G, Schillaci O, Mauriello A. ***The Paradox Effect of Calcification in Carotid Atherosclerosis: Microcalcification Is Correlated with Plaque Instability.*** *International Journal of Molecular Sciences*. 2021; 22(1):395. ***equally first author IF 4.556**
18. Bonfiglio R, Granaglia A, Giocondo R, **Scimeca M**, Bonanno E. ***Molecular Aspects and Prognostic Significance of Microcalcifications in Human Pathology: A Narrative Review.*** *Int J Mol Sci*. 2020 Dec 24;22(1):E120. **IF 4.556**
19. **Scimeca M**, Urbano N, Bonfiglio R, Montanaro M, Bonanno E, Schillaci O, Mauriello A. ***Imaging Diagnostics and Pathology in SARS-CoV-2-Related Diseases.*** *Int J Mol Sci*. 2020 Sep 22;21(18):6960. **IF 4.556**
20. Mauriello S, Montanaro M, **Scimeca M**, Milano F, Servadei F, Giacobbi E, Marella GL, Marsella LT, Potenza S. ***Use of a new fixative for histopathological studies based on methyl-ethylketone peroxide in order to eliminate the carcinogenic risk of formaldehyde.*** *Acta Medica Mediterranea*, 2020, 36: 3383
21. Spugnini EP, **Scimeca M**, Amadio B, Cortese G, Fanciulli M, Vincenzi B, De Luca A, Baldi A. ***Definition of a Novel Plasmid-Based Gene Transfection Protocol of Mammalian Skeletal Muscles by Means of In Vivo Electroporation.*** *Int J Mol Sci*. 2020 Sep 5;21(18):E6494. **IF 4.556**
22. Montanaro M, Meloni M, Anemona L, Giurato L, **Scimeca M**, Izzo V, Servadei F, Smirnov A, Candi E, Mauriello A, Uccioli L. ***Macrophage Activation and M2 Polarization in Wound Bed of Diabetic Patients Treated by Dermal/Epidermal Substitute Nevelia.*** *Int J Low Extrem Wounds*. 2020 Aug 20:1534734620945559. **IF 1.380**
23. Sandonà M, Consalvi S, Tucciarone L, De Bardi M, **Scimeca M**, Angelini DF, Buffa V, D'Amico A, Bertini ES, Cazzaniga S, Bettica P, Bouché M, Bongiovanni A, Puri PL, Saccone V. ***HDAC inhibitors***

- tune miRNAs in extracellular vesicles of dystrophic muscle-resident mesenchymal cells.* EMBO Rep. 2020 Sep 3;21(9):e50863. **IF 7.500**
24. Tarantino U, Cariati I, Marini M, D'Arcangelo G, Tancredi V, Primavera M, Iundusi R, Gasbarra E, **Scimeca M.** *Effects of Simulated Microgravity on Muscle Stem Cells Activity.* Cell Physiol Biochem. 2020 Aug 5;54(4):736-747. **IF 5.500**
25. Urbano N, **Scimeca M**, Di Russo C, Mauriello A, Bonanno E, Schillaci O. *[99mTc]Sestamibi SPECT Can Predict Proliferation Index, Angiogenesis, and Vascular Invasion in Parathyroid Patients: A Retrospective Study.* J Clin Med. 2020 Jul 13;9(7):2213. **IF 3.303**
26. **Scimeca M**, Giocondo R, Montanaro M, Granaglia A, Bonfiglio R, Tancredi V, Mauriello A, Urbano N, Schillaci O, Bonanno E. *BMP-2 Variants in Breast Epithelial to Mesenchymal Transition and Microcalcifications Origin.* Cells. 2020 Jun 2;9(6):E1381. **IF 4.366**
27. Lacal PM, Atzori MG, Ruffini F, **Scimeca M**, Bonanno E, Cicconi R, Mattei M, Bernardini R, D'Atri S, Tentori L, Graziani G. *Targeting the vascular endothelial growth factor receptor-1 by the monoclonal antibody D16F7 to increase the activity of immune checkpoint inhibitors against cutaneous melanoma.* Pharmacol Res. 2020 May 30:104957. **IF 5.893**
28. Di Paolo V, Fulci C, Rotili D, De Luca A, Tomassi S, Serra M, **Scimeca M**, Geroni C, Quintieri L, Caccuri AM. *Characterization of water-soluble esters of nitrobenzoxadiazole-based GSTP1-1 inhibitors for cancer treatment.* Biochem Pharmacol. 2020 May 29;178:114060. **IF 5.009**
29. Focaccetti C, Benvenuto M, Ciuffa S, Fazi S, **Scimeca M**, Nardi A, Miele MT, Battisti A, Bonanno E, Modesti A, Masuelli L, Bei R. *Curcumin Enhances the Antitumoral Effect Induced by the Recombinant Vaccinia Neu Vaccine (rV-neuT) in Mice with Transplanted Salivary Gland Carcinoma Cells.* Nutrients. 2020 May 14;12(5):E1417. **IF 4.546**
30. Urbano N, **Scimeca M**, Di Russo C, Bonanno E, Schillaci O. *Breast-Specific Gamma Imaging with [99mTc]Tc-Sestamibi: An In Vivo Analysis for Early Identification of Breast Cancer Lesions Expressing Bone Biomarkers.* J Clin Med. 2020 Mar 10;9(3):747. **IF 3.303**
31. **Scimeca M**, Bonfiglio R, Urbano N, Schillaci O, Bonanno E. *Adjuvant denosumab in early breast cancer.* Lancet Oncol. 2020 Mar;21(3):e122. **IF 33.752**
32. **Scimeca M**, Trivigno D, Bonfiglio R, Ciuffa S, Urbano N, Schillaci O, Bonanno E. *Breast cancer metastasis to bone: From epithelial to mesenchymal transition to breast osteoblast-like cells.* Semin Cancer Biol. 2020 Feb 8:S1044-579X(20)30005-5. **IF 11.090**
33. Di Pietro G, **Scimeca M**, Iundusi R, Celi M, Gasbarra E, Tarantino U, Capuani S. *Differences between muscle from osteoporotic and osteoarthritic subjects: in vitro study by diffusion-tensor MRI and histological findings.* Aging Clin Exp Res. 2020 Feb 6. doi: 10.1007/s40520-020-01483-6. **IF 2.697**
34. Urbano N, **Scimeca M**, Tancredi V, Bonanno E, Schillaci O. *99mTC-sestamibi breast imaging: Current status, new ideas and future perspectives.* Semin Cancer Biol. 2020 Jan 23:S1044-579X(20)30008-0. **IF 11.090**
35. Duggento A, Guerrisi M, Toschi N, **Scimeca M**, Urbano N, Bonanno E, Aiello M, Cavaliere C, Cascella GL, Cascella D, Conte G. *A random initialization deep neural network for discriminating malignant breast cancer lesions.* Conf Proc IEEE Eng Med Biol Soc. 2019 Jul;2019:912-915.

36. Mapelli SN, Albino D, Mello-Grand M, Shinde D, **Scimeca M**, Bonfiglio R, Bonanno E, Chiorino G, Garcia-Escudero R, Catapano CV, Carbone GM. *A Novel Prostate Cell Type-Specific Gene Signature to Interrogate Prostate Tumor Differentiation Status and Monitor Therapeutic Response (Running Title: Phenotypic Classification of Prostate Tumors)*. *Cancers (Basel)*. 2020 Jan 10;12(1):176. **IF 6.126**
37. Palmieri M, Cariati I, **Scimeca M**, Pallone G, Bonanno E, Tancredi V, D'Arcangelo G, Frank C. *Effects of short-term aerobic exercise in a mouse model of Niemann-Pick type C disease on synaptic and muscle plasticity*. *Ann Ist Super Sanita*. 2019 Oct-Dec;55(4):330-337. **IF 1.370**
38. **Scimeca M**, Bonfiglio R, Menichini E, Albonici L, Urbano N, De Caro MT, Mauriello A, Schillaci O, Gambacurta A, Bonanno E. *Microcalcifications Drive Breast Cancer Occurrence and Development by Macrophage-Mediated Epithelial to Mesenchymal Transition*. *Int J Mol Sci*. 2019 Nov 11;20(22). **IF 4.556**
39. **Scimeca M**, Anemona L, Granaglia A, Bonfiglio R, Urbano N, Toschi N, Santeusano G, Schiaroli S, Mauriello S, Tancredi V, Schillaci O, Bonanno E, Mauriello A. *Plaques calcification is driven by different mechanisms of mineralization associated with specific cardiovascular risk factors*. *Nutr Metab Cardiovasc Dis*. 2019 Dec;29(12):1330-1336. **IF 3.700**
40. Urbano N, **Scimeca M**, Crocco A, Mauriello A, Bonanno E, Schillaci O. *18F-Choline PET/CT Identifies High-Grade Prostate Cancer Lesions Expressing Bone Biomarkers*. *J Clin Med*. 2019 Oct 11;8(10). **IF 3.303**
41. Bonfiglio R, Milano F, Cranga A, De Caro MT, Kaur Lamsira H, Trivigno D, Urso S, **Scimeca M**, Bonanno E. *Negative prognostic value of intra-ductal fat infiltrate in breast cancer. Negative prognostic value of intra-ductal fat infiltrate in breast cancer*. *Pathol Res Pract*. 2019 Nov;215(11):152634. **IF 2.050**
42. 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. Contrast Media Mol Imaging*. 2019 Jul 1;2019:9429761. **IF 1.984**
43. **Scimeca M**, Urbano N, Bonfiglio R, Duggento A, Toschi N, Schillaci O, Bonanno E. *Novel insights into breast cancer progression and metastasis: A multidisciplinary opportunity to transition from biology to clinical oncology*. *Biochim Biophys Acta Rev Cancer*. 2019 Aug;1872(1):138-148. **IF 7.365**
44. Urbano N, **Scimeca M**, Bonfiglio R, Bonanno E, Schillaci O. *New advance in breast cancer pathology and imaging*. *Future Oncol*. 2019 Aug;15(23):2707-2722. **IF 2.660**
45. 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. **IF 3.484**
46. **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. **IF 2.660**
47. **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. **IF 2.882**

48. Schillaci O, **Scimeca M**, Trivigno D, Chiaravalloti A, Facchetti S, Anemona L, Bonfiglio R, Santeusanio 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. **IF 2.396**
49. **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. **IF 4.300**
50. Cardellini M, Rovella V, **Scimeca M**, Anemona L, Bischetti S, Casella S, Saggini A, Bonanno E, Ballanti M, Davato F, Menghini R, Ippoliti A, Santeusanio 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. **IF 5.402**
51. **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. **IF 1.984**
52. 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. **IF 2.660**
53. **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. **IF 3.297**
54. **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. **IF 5.402**
55. 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. **IF 4.225**
56. 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- α /p300-mediated acetylation of p53.*** Oncogene. 2019 Mar;38(11):1860-1875. **IF 7.971**
57. Urbano N, **Scimeca M**, Bonanno E, Schilaci O. ***Nuclear medicine and Anatomic Pathology in personalized medicine: a challenging alliance*** Per Med. 2018 Nov;15(6):457-459. **IF 2.318**
58. **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. **IF 5.791**
59. Bonfiglio R, **Scimeca M**, Urbano N, Bonanno E, Schillaci O. ***Breast microcalcifications: Biological and Diagnostic Perspectives.*** Future Oncol. 2018 Nov 9. **IF 2.660**
60. 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.
61. 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. **IF 4.114**
62. 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. **IF 3.293**
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Quanto qui dichiarato corrisponde a verità, ai sensi degli articoli 46 e 47 del D.P.R. 445 del 2000

Roma, Marzo 2022

Manuel Scimeca

