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CURRICULUM VITAE

PERSONAL INFORMATION	Anna Maria Teti Department of Biotechnological and Applied Clinical Sciences Via Vetoio – Coppito 2 L'Aquila, 67100, Italy bonesecr@strutture.univaq.it

CURRENT POSITION	Full Professor

EDUCATION OTHER QUALIFICATIONS	1977	University Degree in Biology, with honour

ACADEMIC APPOINTMENTS	1979	Assistant Professor of Anatomy, University of Bari School of Medicine, Bari, Italy
	1981	Fellowship, National Council of Research, University of Bari, Bari, Italy
	1981-1987	Assistant Professor of Anatomy, University of Bari School of Medicine, Bari, Italy
	1987-1993	Associate Professor of Anatomy, University of Bari School of Pharmacy, Bari, Italy
	1993-2000	Associate Professor of Histology, University of L'Aquila School of Medicine, L'Aquila, Italy
	2000-2005	Full Professor of Histology, University of L'Aquila School of Medicine, L'Aquila, Italy
	2005-present	Full Professor of Histology, University of L'Aquila School of Biotechnology, L'Aquila, Italy

CLINIC APPOINTMENTS	

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TEACHING EXPERIENCE	1977-1987	Collaboration course of Histology and Embryology, University of Bari Schools of Medicine and Biology, Bari, Italy
	1987-1993	Course of Anatomy, University of Bari School of Pharmacy; Collaboration course of Histology and Embryology, University of Bari School of Medicine, Bari, Italy
	1993-2005	Course of Histology and Embryology, University of L'Aquila Dental School and Specialization Schools; Collaboration course of Histology and Embryology, University of L'Aquila School of Medicine, L'Aquila, Italy
	2005-2011	Courses of 'Histology', 'Human Anatomy', 'Stem cells and tissue regeneration', 'Molecular imaging', 'Animal models of diseases', and 'Bone biotechnology', University of L'Aquila School of Biotechnology, L'Aquila, Italy
	2005-present	Course of 'Cytology, Histology and Human Embryology', University of L'Aquila School of Biotechnology, L'Aquila, Italy
	2000-present	Doctoral School in Experimental Medicine, University of L'Aquila, L'Aquila, Italy

RESEARCH ACTIVITIES	1. Manipulation of the αVβ3 integrin signal as a tool to reduce the incidence of osteolytic bone metastases (Italian Association for Cancer Research) 2. The biology of multipotent stem cells. A tool to improve tissue regeneration and recovery from micro-gravity induced hypotopic changes in solid mesoderm (Italian Space Agency) 3. Microgravity effects on the development of bone and muscular tissues (Italian Space Agency) 4. Regulation and intracellular signals in locomotor apparatus cells subjected to microgravity (Italian Space Agency) 5. Intracellular signals in musculoskeletal cells subjected to microgravity (Italian Space Agency) 6. Cellular and molecular mechanisms in osteopetrosis (University of L'Aquila) 7. Celiac disease: development of guidelines for the screening, diagnosis and evaluation of pathogenetic mechanisms (Italian Ministry of Health) 8. Calcium and protein kinase-mediated intracellular signals in cellular differentiation and apoptosis – Role of Protein Kinase C (PKC) in osteogenic cell differentiation and function (National Research Council) 9. Altered bone cell function in osteopetrosis (Telethon and Ministry of University) 10. Estrogen receptor signals in osteoblasts (GENOSPORA, Dompè S.p.A. within Fifth Framework Programme of European Commission) 11. In vivo models for investigating the cellular and molecular mechanisms of bone (re)modeling (Ministry of University) 12. Multilineage reconstitution with haematopoietic stem cells of foetuses and infants with severe osteopetrosis: generation of osteoclasts from stem/progenitor haematopoietic (Ministry of Health, collaboration with the Bambino Gesù Children's Hospital in Rome) 13. Molecular mechanisms of bone homeostasis (OSTEOGENE, Sixth Framework Programme of European Commission) 14. Molecular mechanisms involved in organ-specific metastatic growth

	processes in breast cancer (METABRE, Sixth Framework Programme of European Commission) 15. Molecular mechanisms involved in skeletal-specific metastatic growth in breast cancer (Italian Association for Cancer Research) 16. Multigenic osteoclast-mimicry programme mediating breast cancer metastases to bone (ASBMR 2006 Bridge Funding Grant Award) 17. Gene expression in bone cells under microgravity condition (Italian Space Agency) 18. In vitro tests of anti-osteoporosis molecules (Italian Space Agency) 19. New Therapeutic Approaches to Osteopetrosis (Telethon) 2006-2008 20. Bone metastases: identification of novel molecular targets for the development of innovative therapeutic and diagnostic tools (Ministry of Health) 21. New cell therapy approach for infantile malignant osteopetrosis. (Programme Italy-USA, Rare Diseases -Istituto Superiore di Sanità, collaboration with the Bambino Gesù Children's Hospital in Rome) 22. Role of interleukin-6 in Duchenne muscular dystrophy (Telethon GGP06119, multicentre study) 23. New Genes and Therapeutic Approaches to Osteopetrosis. (E-rare JTC 2007, collaboration with the Bambino Gesù Children's Hospital in Rome) 24. New experimental antiresorptive therapy for the treatment of bone metastases (Swiss Bridge Award) 25. New experimental antiresorptive therapy to treat bone metastases (Italian Association for Cancer Research) 26. Experimental bio-implant strategy to cure osteoclast-poor osteopetrosis due to RANKL ablation (Association Francaise contre le Myopathies) 27. New Therapeutic Approaches to Osteopetrosis (Telethon GGP09018) 28. Programme "PEOPLE" - Call identifier: FP7-PEOPLE-2011-IRSES Proposal No 295181 – Acronym: INTERBONE 29. The role of the endosteal niche in the dormancy of breast cancer bone marrow metastases (Italian Association for Cancer Research) 30. Programme "Collaborative Project – Large-scale integrating project" – Call identifier: FP7-HEALTH.2012.2.1.1-1-C Proposal No 602300 - Acronym: SYBIL 31. In-depth phenotyping and experimental therapy of autosomal dominant osteopetrosis (Telethon GGP14014) 32. H2020-MSCA-RISE-2015_690850_Training network for Research on molecUlar and Biomechanical Interactions in CONnective tissue disorders – Acronym RUBICON 33. Italian Ministry of Education PRIN New experimental therapies for genetic skeletal diseases 34. Italian Ministry of Health, RF-2013-02357539, Role of extracellular vesicles in bone tumour pathogenesis: implications for therapy 35. Agenzia Italiana del Farmaco (AIFA), AIFA-2916-02364539, Glycogen storage disease type I and bone: identification of risk factors for bone loss and fractures 36. The stem phenotype of dormant breast cancer cells and their interaction with the endosteal niche (Italian Association for Cancer Research)

	37. Agenzia Spaziale Italiana, Prot. 1222, Biological and funtional biomarkers for the astronaut precision biomedicine– MARS-PRE 38. Autosomal Dominant Osteopetrosis Type 2 (ADO2): close to the cure. What do we miss? (Telethon GGP19031) 39. Italian Ministry of Education, POC01_00016, Formulazioni di siRNA per la terapia dell'Osteopetrosi Autosomica Dominante di tipo 2 (ADO2) 40. The stem phenotype of dormant breast cancer cells and their interaction with the endosteal niche (Italian Association for Cancer Research)

RESPONSIBILITY IN ACADEMIC ACTIVITIES	Past member of the University "Quality Assurance" committee Past President of the Department "Scientific Research" committee Member of the Department Board

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EDITORIAL BOARD, EDITORIAL ACTIVITIES, SOCIETY MEMBERSHIP	**Handling Editor** 1. Bone 2020-2022 ***Guest Editor*** 1. Archives Biochemistry and Biophysics Highlight Issue, Bone Remodeling: Facts and Perspectives 2. Archives Biochemistry and Biophysics Highlight Issue, The Central Role of the Skeleton in Chronic Diseases 3. Archives Biochemistry and Biophysics Highlight Issue, Bone: a dynamic and integrating tissue **Editorial Board** 1. Calcified Tissue International 2. Endocrinology (ended 2009) 3. Archives Biochemistry and Biophysics 4. BoneKey Reports (ended 2016) 5. British Journal of Pharmacology (Editor duty for the bone section; ended 2016) 6. Cancer Research **Journal Reviewer** 1. Acta Biomaterial 2. Aging Cell 3. American Journal of Pathology 4. American Journal of Physiology - Renal, Fluid, Electrolyte 5. Arthritis & Rheumatism 6. Arthritis Research and Therapy 7. BBA - Molecular Basis of Disease 8. Biotechnology and Applied Biochemistry 9. BoneKey Report 10. Breast Cancer Research 11. Cancer Treatment Reviews 12. Cell and Tissue Research 13. Cell Calcium 14. Cell Death and Differentiation 15. Clinical and Experimental Metastasis 16. Current Pharmacogenomics 17. Diabetes Metabolism Research 18. Endocrinology 19. European Journal of Endocrinology 20. Experimental Cell Research 21. Experimental Gerontology 22. Expert Opinion on Emerging Drugs 23. Frontiers Endocrinology 24. Hormone and Metabolic Research 25. Human Genetics 26. International Journal of Cancer 27. Journal of Biomedical Materials Research: Part A 28. Journal of Bone and Mineral Research 29. Journal of Bone and Mineral Research Plus 30. Journal of Cell Biology 31. Journal of Cell Science 32. Journal of Cellular Biochemistry

	33. Journal of Cellular Physiology 34. Journal of Clinical Densitometry 35. Journal of Clinical Endocrinology and Metabolism 36. Journal of Clinical Investigation 37. Journal of Dental Research 38. Journal of Endocrinological Investigation 39. Journal of Endocrinology 40. Journal of Medical Genetics 41. Journal of Molecular Medicine 42. Journal of Physiology 43. Journal of Proteome Research 44. Microscopy Research and Techniques 45. Molecular and Cellular Biology 46. Molecular Biology of the Cell 47. Molecular Cancer Research 48. Neuromuscular Disorders 49. Nephrology, Dialysis and Transplantation 50. Nutrition, Metabolism and Cardiovascular Diseases 51. Osteoporosis International 52. Pharmacogenetics and Genomincs 53. Physiological Review 54. PlosOne 55. Proceedings of the National Academy of Science 56. Rheumatology 57. Seminars in Cancer Biology 58. Stem Cells 59. Thrombosis and Haemostasis **International Scientific Societies** 1. American Society for Bone and Mineral Research (ASBMR) 2. International Bone and Mineral Society (IBMS) 3. European Calcified Tissues Society (ECTS) – President 2017-2020 4. European Association for Cancer Research (EACR)

SCIENTIFIC ACHIEVEMENTS BIBLIOMETRIC INDICATORS	**Scopus Author ID:** 7005130690 **http://orcid.org/0000-0002-5887-4419** Hirsch (H) Index: 53 Total number of quotes: 8564 Median number of quotes by article: 48,17

SELECTED PUBLICATIONS	1. M. Marzia, N.A. Sims, S. Voit, S. Migliaccio, A. Taranta, S. Bernardini, T. Faraggiana, T. Yoneda, G.R. Mundy, B.F. Boyce, R. Baron, **A. Teti**: Decreased c-Src expression enhances osteoblast differentiation and bone formation. J. Cell Biol. 151:311-320, 2000. 2. A. Rufo, A Del Fattore, M. Capulli, F. Carvello, L. De Pasquale, S. Ferrari, D. Pierroz, L. Morandi, M. De Simone, N. Rucci, E. Bertini, M.L. Bianchi, F. De Benedetti, **A.Teti**. Mechanisms inducing low bone density in Duchenne muscular dystrophy in mice and humans. J Bone Miner Res. 26:891-1903, 2011. 3. B. Peruzzi, N. Rucci, **A. Teti**. The crucial role of c-Src tyrosine kinase in bonmetabolism. In: "Protein Kinases", Chapter 16, G. Da Silva Xavier

Ed. InTech Open Access Publisher. Skopje, Republic of Macedonia. pp. 357-380, 2012. ISBN 978-953-51-0640-1.

4. M. Capulli, A. Angelucci, K. Driouch, T. Garcia, P. Clement-Lacroix, F. Martella, L. Ventura, M. Bologna, S. Flamini, O. Moreschini, R. Lidereau, E. Ricevuto, M. Muraca, **A. Teti***, N. Rucci. Increased expression of a set of genes enriched in oxygen binding function discloses a predisposition of breast cancer bone metastases to generate metastasis spread in multiple organs. J Bone Miner Res, 27:2387-2398, 2012. ***Corresponding Author.**
5. **A. Teti**. Osteoclast determinants and implications for therapy. In "Osteoimmunology. Interactions of the Immune and Skeletal Systems". Y. Choi Ed. pp. 121-130. Springer, NY, USA, 2013.
6. **A. Teti**, A. Schulz. Haematopoietic stem cell transplantation in autosomal recessive osteopetrosis. In: "Stem Cell and Bone Tissue". R. Rajendram, V.R. Preedy, V.B. Patel eds. Chapter 15, pp. 267-288. CRC Pres, Boca Raton FL, USA, 2013.
7. N. Rucci, M. Capulli, L. Ventura, A. Angelucci, B. Peruzzi, V. Tillgren, M. Muraca, D. Heinegård, **A. Teti.** Proline/aRginine-rich End Leucine-rich repeat protein N-terminus is a novel osteoclast antagonist that counteracts bone loss. J Bone Miner Res. 28:1912-1924, 2013.
8. I. Alam, A.K. Gray, K. Chu, S. Ichikawa, K.S. Mohammad, M. Capannolo, M. Capulli, A. Maurizi, M. Muraca, **A. Teti**, M.J. Econs, A. Del Fattore. Generation of the first autosomal dominant osteopetrosis type II (ADO2) disease models. Bone. 59:66-75, 2014. [Epub ahead of print]
9. A. Del Fattore, A. Cappariello, M. Capulli, N. Rucci, M. Muraca, F. De Benedetti, **A. Teti**. An experimental therapy to improve skeletal growth and prevent bone loss in a mouse model overexpressing IL-6. Osteoporos Int. 25:681-692, 2014.
10. **A. Teti**. Mechanisms of osteoclast-dependent bone formation. Bonekey Rep. 2:449. eCollection 2013.
11. Coudert AE, Del Fattore A, Baulard C, Olaso R, Schiltz C, Collet C, **Teti A**, de Vernejoul MC. Differentially expressed genes in autosomal dominant osteopetrosis type II osteoclasts reveal known and novel pathways for osteoclast biology. Lab Invest. 94:275-285, 2014.
12. A. Fierabracci, A. Del Fattore, R. Luciano, M. Muraca, **A. Teti**, M. Muraca. Recent advances in mesenchymal stem cell immunomodulation. The role of microvesicles. Cell Transplant. doi: 10.3727/096368913X675728. [Epub ahead of print], 2013
13. F. Barvencik, I. Kurth, T. Koehne, T. Stauber, J. Zustin, K. Tsiakas, C.F. Ludwig, F.T. Beil, J.M. Pestka, M. Hahn, R. Santer, C. Supanchart, U. Kornak, A. Del Fattore, T. Jentsch, **A. Teti**, A. Schulz, T. Schinke, M. Amling. CLCN7 and TCIRG1 mutations differentially affect bone matrix mineralization in osteopetrotic individuals. J Bone Miner Res. 29:982-991, 2014.
14. P. Sanità, M. Capulli, **A. Teti**, G.P. Galatioto, C. Vicentini, P. Chiarugi, M. Bologna, A, Angelucci. Tumor-stroma metabolic relationship based on lactate shuttle can sustain prostate cancer progression. BMC Cancer. 14:154, 2014
15. M. Capulli, O.K. Olstad, P. Onnerfjord, V. Tillgren, M. Muraca, K.M. Gautvik, D. Heinegård, N. Rucci, **A. Teti.** The C-Terminal Domain of

Chondroadherin: A New Regulator of Osteoclast Motility Counteracting Bone Loss. J Bone Miner Res. 29:1833-1846, 2014
16. A. Cappariello, A. Maurizi, V. Veeriah, **A. Teti.** "The Great Beauty" of the Osteoclast. Arch Biochem Biophys. 558:70-78, 2014.
17. N. Rucci, M. Capulli, S.G. Piperni, A. Cappariello, P. Lau, P. Frings-Meuthen, M. Heer, **Teti A**. Lipocalin 2: A New Mechanoresponding Gene Regulating Bone Homeostasis. J Bone Miner Res. 30:357-368, 2015.
18. N. Rucci, M. Capulli, O.K. Olstad, P. Önnerfjord, V. Tillgren, K.M. Gautvik, D. Heinegård, **A. Teti**. The α2β1 binding domain of chondroadherin inhibits breast cancer-induced bone metastases and impairs primary tumour growth: A preclinical study. Cancer Lett. 358:67-75, 2015.
19. A. Cappariello, R. Paone, A. Maurizi, M. Capulli, N. Rucci, M. Muraca, **A. Teti**. Biotechnological approach for systemic delivery of membrane Receptor Activator of NF-κB Ligand (RANKL) active domain into the circulation. Biomaterials. 46:58-69, 2015.
20. M. Capulli, A. Maurizi, L. Ventuta, N. Rucci, **A. Teti**. Effective small interfering RNA therapy to treat *CLCN7*-dependent autosomal dominant osteopetrosis type 2. Mol Ther Nucleic Acid. 4:e248, 2015.
21. A. Sinadinos, C.N. Young, R. Al-Khalidi, **A. Teti**, P. Kalinski, S. Mohamad, L. Floriot, T. Henry, G. Tozzi, T. Jiang, O. Wurtz, A. Lefebvre, M. Shugay, J. Tong, D. Vaudry, S. Arkle, J.C. doRego, D.C. Górecki. P2RX7 purinoceptor: a therapeutic target for ameliorating the symptoms of duchenne muscular dystrophy. PLoS Med. 12:e1001888, 2015.
22. R. Thaler, A. Maurizi, P. Roschger, I. Sturmlechner, F. Khani, S. Spitzer, M. Rumpler, J. Zwerina, H. Karlic, A. Dudakovic, K. Klaushofer, **A. Teti**, N. Rucci, F. Varga, A.J. van Wijnen. Anabolic and anti-resorptive modulation of bone homeostasis by the epigenetic modulator sulforaphane, a naturally occurring isothiocyanate. J Biol Chem. 291:6754-6771, 2016.
23. N. Rucci, **A. Teti**. The "love-hate" relationship between osteoclasts and bone matrix. Matrix Biol. 52-54:176-190, 2016.
24. V. Veeriah, A. Zanniti, R. Paone, S. Chatterjee, N. Rucci, A. **Teti,** M. Capulli. Interleukin-1β, lipocalin 2 and nitric oxide synthase 2 are mechano-responsive mediators of mouse and human endothelial cell-osteoblast crosstalk. Sci Rep. 6:29880, 2016.
25. **A. Teti**, MJ Econs MJ. Osteopetroses, emphasizing potential approaches to treatment. Bone 102:50-59, 2017.
26. M. Ponzetti, M. Capulli, A. Angelucci, L. Ventura, S.D. Monache, C. Mercurio, A. Calgani, P. Sanità, **A. Teti**, N. Rucci. Non-conventional role of haemoglobin beta in breast malignancy. Br J Cancer. 117:994-1006, 2017.
27. N. Rucci, **A. Teti**. Osteoclasts: Essentials and Methods In "Principle of Bone and Joint Research". Pietschmann P. (ed). Chapter 3. Pages 33-53, 2017. DOI 10.1007/978-3-319-58955-8.
28. A. Cappariello, A. Loftus, M. Muraca, A. Maurizi, N. Rucci, **A. Teti**. Osteoblast-derived extracellular vesicles are biological tools for the delivery of active molecules to bone. J Bone Miner Res. 33:517-533, 2018.
29. N. Rucci, **A. Teti**. Osteomimicry: How the seed grows in the soil. Calcif

Tissue Int. 102:131-140, 2018.
30. M. Capulli, M. Ponzetti, A. Maurizi, S. Gemini-Piperni, T. Berger, T.W. Mak, **A. Teti**, N. Rucci. A complex role for Lipocalin 2 in bone metabolism: global ablation in mice induces osteopenia caused by an altered energy metabolism. J Bone Miner Res. 33:1141-1153, 2018.
31. A. Maurizi, M. Capulli, R. Patel, A. Curle, N. Rucci, **A. Teti**. RNA interference therapy for autosomal dominant osteopetrosis type 2. Towards the preclinical development. Bone. 110:343-354, 2018.
32. **A. Teti**, S.L. Teitelbaum. Congenital disorders of bone and blood. Bone. 119:71-81, 2019.
33. S. Sartoretto, S. Gemini-Piperni, R.A. da Silva, M.D. Calasans, N. Rucci, T.M. Pires Dos Santos, I.B.C. Lima, A.M Rossi, G. Alves, J.M. Granjeiro, **A. Teti**, W.F. Zambuzzi. Apoptosis-associated speck-like protein containing a caspase-1 recruitment domain (ASC) contributes to osteoblast differentiation and osteogenesis. J Cell Physiol. 234:4140-4153, 2019.
34. V. Veeriah, R. Paone, S. Chatterjee, **A. Teti**, M. Capulli. Osteoblasts Regulate Angiogenesis in Response to Mechanical Unloading. Calcif Tissue Int. 104:344-354, 2019.
35. N. Rucci, A. Zallone, **A. Teti A**. Isolation and Generation of Osteoclasts. Methods Mol Biol. 1914:3-19, 2019.
36. M. Capull, R. Costantini, S. Sonntag, A. Maurizi, C. Paganini, L. Monti, A. Forlino, D. Shmerling, **A. Teti**, A. Rossi. Testing the Cre-mediated genetic switch for the generation of conditional knock-in mice. PLoS One. 14(3):e0213660, 2019.
37. A. Maurizi, A. Teti. Osteopetrosis. In Principles of Bone Biology. Chapter 65. https://doi.org/10.1016/B978-0-12-814841-9.00065-8, 2019, in press.
38. P.J. Marie, A. Teti. Integrins and other cell surface attachment molecules of bone cell. In Principles of Bone Biology. Chapter 17. https://doi.org/10.1016/B978-0-12-814841-9.00065-8, 2019, in press.
39. A. Maurizi, M. Capulli, A. Curle, R. Patel, A. Ucci, J. Alves Cortes, H. Oxford, S.R. Lamande, J.F. Bateman, N. Rucci, A. Teti. Extra-skeletal manifestations in mice affected by Clcn7-dependent autosomal dominant osteopetrosis type 2. Clinical and therapeutic implications. Bone Res. 7:17 10.1038/s41413-019-0055-x, 2019.
40. M. Capulli, D. Hristova, Z. Valbret, K. Carys, R. Arjan, A. Maurizi, F. Masedu, A. Cappariello, N. Rucci, **A. Teti**. Notch 2 pathway mediates breast cancer cellular dormancy and mobilisation in bone and 2 contributes to hematopoietic stem cell mimicry. Br. J Cancer, 2019, 2019 Jul;121(2):157-171. doi: 10.1038/s41416-019-0501-y.
41. N. Rucci, A. Zallone, **A. Teti**. Isolation and generation of osteoclasts. In "Bone Research Protocols. Methods in Molecular Biology". Idris A.I. (ed.). Springer Science+Business Media, LLC, part of Springer Nature, New York, NY. USA. Vol. 1914. Chapter 1. Pages 3-19, 2019. https://doi.org/10.1007/978-1-4939-8997-3_1.
42. M. Capulli, R. Costantini, S. Sonntag, A. Maurizi, C. Paganini, L. Monti, A. Forlino, D. Shmerling, **A. Teti**, A. Rossi A. Testing the Cre-mediated genetic switch for the generation of conditional knock-in mice. PLoS One. 2019 Mar 13;14(3):e0213660. doi: 10.1371/journal.pone.0213660.

43. M.N. Madel, L. Ibáñez, A. Wakkach, T.J. de Vries, **A. Teti**, F. Apparailly, C. Blin-Wakkach. Immune Function and Diversity of Osteoclasts in Normal and Pathological Conditions. Front Immunol. 2019 Jun 19;10:1408. doi: 10.3389/fimmu.2019.01408
44. M.A.M. Suijkerbuijk, M. Ponzetti, M. Rahim, M. Posthumus, C.K. Häger, E. Stattin, K.G. Nilsson, **A. Teti**, D.E. Meuffels, B.J.C. van der Eerden, M. Collins, A.V. September. Functional polymorphisms within the inflammatory pathway regulate expression of extracellular matrix components in a genetic risk dependent model for anterior cruciate ligament injuries, J Sci Med Sport. 2019 Nov;22(11):1219-1225. doi: 10.1016/j.jsams.2019.07.012.
45. B.C.H. Pieters, A. Cappariello, M.H.J. van den Bosch, P.L.E.M. van Lent, **A. Teti**, F.A.J. van de Loo. Macrophage-Derived Extracellular Vesicles as Carriers of Alarmins and Their Potential Involvement in Bone Homeostasis. Front Immunol. 2019 Aug 8;10:1901. doi: 10.3389/fimmu.2019.01901.
46. A. Loftus, A. Cappariello, C. George, A. Ucci, K. Shefferd, A. Green, R. Paone, M. Ponzetti, S. Delle Monache, M. Muraca, **A. Teti**, N. Rucci. Extracellular vesicles from osteotropic breast cancer cells affect bone resident cells. J Bone Miner Res. 2020 Feb;35(2):396-412. doi: 10.1002/jbmr.3891.
47. S.C. Sartoretto, M.D. Calasans-Maia, A.T.N.N. Alves, R.F.B. Resende, C.J. da Costa Fernandes, P. de Magalhães Padilha, A.M. Rossi, **A. Teti**, J.M. Granjeiro, W.F. Zambuzzi. The role of apoptosis associated speck-like protein containing a caspase-1 recruitment domain (ASC) in response to bone substitutes. Mater Sci Eng C Mater Biol Appl. 2020 Jul;112:110965. doi: 10.1016/j.msec.2020.110965. Epub 2020 Apr 13.
48. E.P. Dennis, S.M. Edwards, R.M. Jackson, C. L. Hartley, D. Tsompani, M. Capulli, **A. Teti**, R.P. Boot-Handford, D.A. Young, K.A. Piróg, M.D. Briggs. CRELD2 is a novel LRP1 chaperone that regulates noncanonical WNT signaling in skeletal development. J. Bone Min. Res., 2020 8 Aug, 35: 1452–1469. DOI: 10.1002/jbmr.4010
49. I. Norwood, D. Szondi, M. Ciocca, A. Coudert, M. Cohen-Solal, N. Rucci, **A. Teti**, A. Maurizi. Transcriptomic and bioinformatic analysis of Clcn7-dependent Autosomal Dominant Osteopetrosis type 2. Preclinical and clinical implications. Bone. 2021 Mar;144:115828. doi: 10.1016/j.bone.2020.115828.
50. C. Paganini, C. Gramegna Tota, L. Monti, I. Monti, A. Maurizi, M. Capulli, M. Bourmaud, **A. Teti**, M. Cohen-Solal, S. Villani, A. Forlino, A. Superti-Furga, A. Rossi. Improvement of the skeletal phenotype in a mouse model of diastrophic dysplasia after postnatal treatment with N-acetylcysteine. Biochem Pharmacol. 2021 Feb 3;185:114452. doi: 10.1016/j.bcp.2021.114452.

PLACE AND DATE

L'Aquila, 27/2/2021