

CURRICULUM VITAE



Prof. Anna Maria Teti

Born in Taranto (Italy), March 28, 1954

Italian citizenship

Married (with Paolo Mené MD, Full Professor and Chief of Nephrology, University "Sapienza" 2nd School of Medicine, Rome, Italy)

ADDRESS

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DEGREE

1977 PhD, with honour

PAST POSITIONS

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

PRESENT POSITION

2005-present Full Professor of Histology, University of L'Aquila School of Biotechnology, L'Aquila, Italy

TEACHING

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 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 Courses of Cytology, Histology and Human Embryology, and Human Anatomy, University of L'Aquila School of Biotechnology, L'Aquila, Italy
2000-present Doctoral School in Biotechnology, University of L'Aquila, L'Aquila, Italy

STAGES

1982 (April-September) Institute of Pathophysiology, University of Berne, Berne, Switzerland
1984 (August) MRC Bone Research Laboratory, Nuffield Orthopaedic Centre, University of Oxford, Oxford, U.K
1986 (June-September) Department of Pathology, School of Medicine, Washington University, St. Louis, MO, USA
1987 (June-November) Department of Pathology and Renal Division, School of Medicine, Washington University, St. Louis, MO, USA

INVITED LECTURES, ORAL PRESENTATIONS AND CHAIRS

1986 International Conference on Calcium Regulating Hormones (ICCRH), Nice, France
1987 Genetic Unit, Shriners Hosp. Crippled Children, McGill University, Montreal, Canada
1987 Bone Research Branch, National Institute of Dental Research, NIH, Bethesda, MD
1988 Department of Physiology and Biophysics, CWRU, Cleveland, OH
1988 Annual Meeting ASBMR, New Orleans, LO
1989 Department of Pathology, Washington University, St. Louis, MO
1989 "The Role of Extracellular Calcium in the Regulation of Intracellular Calcium and Cell Function", joint meeting International Conference on Calcium Regulating Hormones (ICCRH)/ASBMR, Montreal.

1990 Department of Cell Biology, Yale University, New Haven, CT
 1990 Merck Sharp & Dohme Bone Biology Workshop, Branchburg Farm, NJ
 1990 Annual Meeting ASBMR, Atlanta, GE
 1990 Bone Research Branch, National Institute of Dental Research, NIH, Bethesda, MD
 1990 Department of Medicine, Renal Division, CWRU, Cleveland, OH
 1991 Lilly Research Laboratories, Eli Lilly & Co., Indianapolis, IN
 1991 "Osteoclast Biology: Methods and Pitfalls", Annual Meeting ASBMR, San Diego, CA
 1991 European Symposium on Calcified Tissues, Vienna, Austria
 1992 International Conference on Calcium Regulating Hormones (ICCRH), Florence, Italy
 1992 Department of Reumatology, INSERM, Hopital Lariboisiere, Paris, France
 1992 Istituto Mario Negri, Chieti, Italy
 1992 Renal Division, School of Medicine, Washington University, St. Louis, MO
 1992 MPG Gruppe Rheumatologie, Max-Planck-Gesellschaft, Erlangen, Germany
 1993 European Symposium on Calcified Tissues, Heidelberg, Germany
 1993 Annual Meeting ASBMR, Tampa, FL
 1993 Arthritis Unit, Harvard Medical School, Massachusetts General Hospital, Boston, MA
 1994 Roussel Uclaf Table Ronde, Transport: Function in Bone Forming and Bone Resorbing Cells, Paris, France
 1995 Preclinical Research, Sandoz AG, Basel, Switzerland
 1995 Merck Sharp & Dohme, Osteoclast Workshop, Branchburg Farm, NJ.
 1995 Associazione di Biologia Cellulare e Differenziamento, Symposium on Calcium-binding Proteins, Montesilvano Lido, Pescara, Italy
 1997 European Symposium on Calcified Tissues, Harrogate, UK
 1997 Department of Medicine, Division of Pathophysiology, University of Geneva, Switzerland
 1998 SmithKline & Beechman, Milan, Italy
 1999 European Symposium on Calcified Tissues, Maastricht, The Netherland
 2000 European Symposium on Calcified Tissues, Tampere, Finland
 2000 Nestlè AG, Lausanne, Switzerland
 2000 Department of Anatomy, University of Zagreb, Zagreb, Croatia
 2001 Joint meeting European Calcified Tissues Society and International Society of Bone and Mineral, Madrid, Spain
 2002 New Frontiers in Skeletal Biology, Davos, Switzerland
 2002 European Calcified Tissue Society, Zagreb, Italy
 2002 International Conference on Children's Bone Health, Sheffield, UK
 2003 European Symposium on Calcified Tissues, Rome, Italy
 2003 Annual Meeting ASBMR, Minneapolis, MN
 2003 Meeting of the Austrian Society for Bone and Mineral Research, Vienna, Austria
 2004 Annual Meeting ASBMR, Seattle, WA
 2004 European Symposium on Calcified Tissues, Nice, France
 2005 Istituto Mario Negri Sud, Chieti, Italy
 2005 International Conference on Children's Bone Health, Sorrento, Italy
 2005 Joint meeting European Calcified Tissues Society and International Society of Bone and Mineral, Geneva, Switzerland
 2006 European Symposium on Calcified Tissues, Prague, Czeck Republic
 2006 European Association for Cancer Research, Budapest, Hungary
 2006 BRECOSM meeting, Paris, France
 2006 Axxam, Milan, Italy
 2006 Meeting Austrian Society for Bone and Mineral Research
 2006 Annual Meeting ASBMR, Philadelphia, PA
 2006 Course on Neuro-Immuno-Endocrinology, Molecular Medicine Post Graduate School, Erasmus University Medical Center, Rotterdam, The Netherlands
 2007 European Symposium on Calcified Tissues, Copenhagen, Denmark
 2007 Osteogene Symposium, Copenhagen, Denmark
 2007 Seminars in Immuno-Rheumatology, Università Statale di Milano, Milan, Italy
 2007 Highlights in the Management of Breast Cancer, Mediterranean School of Oncology, Rome, Italy
 2008 European Symposium on Calcified Tissues, Barcelona, Spain
 2008 European Calcified Tissue Society PhD training course, Rome, Italy
 2009 Tissues In Motion – A Musculoskeletal Science Day, University of Lund, Lund, Sweden
 2009 European Symposium on Calcified Tissues, Vienna, Austria

2010	Invited lecture, 3 rd International Conference on Osteoimmunology: Interactions of the Immune and Skeletal Systems, Santorini, Greece
2010	Invited lecture, annual meeting ASBMR, Toronto, Canada
2011	Invited lecture, International Osteoporosis Foundation Pre-Clinical Symposium, Valencia, Spain
2012	Cutting Edge Rheumatology meeting, Lund, Sweden
2012	8 th YSA-PhD-Symposium, Vienna, Austria
2013	Invited Program Chair and speaker, International Osteoporosis Foundation Pre-Clinical Symposium, Rome, Italy
2014	Bone Academy Meeting, Barcelona, Spain
2015	XVIII Telethon Convention, Riva del Garda, Italy

INTERNATIONAL COMMITTEES

1991, 1994-1999, 2001, 2006, 2013	
2014	Reviewer panel meetings American Society for Bone and Mineral Research
1995	International, Conference on Calcium Regulating Hormones
1995, 2000-2014	European Symposia on Calcified Tissues
2000-2012	Research Prize, Austrian Society for Bone and Mineral Research
2000-2009	Treasurer, European Calcified Tissues Society
2001	Joint meeting International Bone and Mineral Society and European Calcified Tissues Society
2001-2007	Member of the Board of Directors, IBMS
2002-2006	Member of the Publication Committee, ASBMR
2003	Local Organizer, European Symposium on Calcified Tissues, Rome, Italy
2005	Non-clinical co-chair for the joint ECTS/IBMS meeting, Geneva, Switzerland
2005-2007	Chair Membership Committee IBMS
2006-2009	Member of the Finance Committee ASBMR
2007-2009	Award Committee, IBMS
2007	Local and scientific organizer MetaBre/BRECOSM Breast Cancer and Metastasis Conference
2009	Scientific Program Committee, IBMS meeting, Sidney, Australia
2011-2013	Member of the Board of Directors, IBMS
2011-2013	Member of the Publications Committee, IBMS
2012-present	Member of the Advisory Board, ECTS
2013	Member of the Nomination Committee, ASBMR
2014-2017	Member of the Women in Bone and Mineral Research Committee, ASBMR
2015-2018	President of the Association of Osteobiology
2016	President Local Organising Committee, ECTS meeting, Rome, Italy
2016-2017	President Elect, ECTS
2016-2017	Co-chair Scientific Programme Committee, ASBMR meeting, Denver, USA
2017-2020	President, ECTS

AWARDS

1991	Chemofux Prize, Vienna, Austria
1993	Prix Andre Lichtwitz, INSERM, Paris, France
2007	Telethon Poster Prize, New Therapeutic approaches to osteopetrosis, Salsomaggiore, Italy
2008	Swiss Bridge Award, New experimental antiresorptive therapy for the treatment of bone metastases, Switzerland
2010	Bone: A top ten cited article of 2008
2013	ECTS Mike Horton Basic/Translational Award, Lisbon, Portugal

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)
4. European Association for Cancer Research (EACR)

INTERNATIONAL JOURNALS

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. Bone
2. Calcified Tissue International
3. Endocrinology (ended 2009)
4. Archives Biochemistry and Biophysics
5. International Bone and Mineral Society –BoneKey
6. Frontiers in Endocrinology
7. British Journal of Pharmacology (Editor duty for the bone section)

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
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. Hormone and Metabolic Research
24. Human Genetics
25. Indian Journal of Medical Science
26. International Journal of Cancer
27. Journal of Biomedical Materials Research: Part A
28. Journal of Bone and Mineral Research
29. Journal of Cell Biology
30. Journal of Cell Science
31. Journal of Cellular Biochemistry
32. Journal of Cellular Physiology
33. Journal of Clinical Densitometry
34. Journal of Clinical Endocrinology and Metabolism
35. Journal of Clinical Investigation
36. Journal of Dental Research
37. Journal of Endocrinological Investigation
38. Journal of Endocrinology
39. Journal of Medical Genetics
40. Journal of Molecular Medicine
41. Journal of Physiology
42. Journal of Proteome Research
43. Maturitas
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 Genomics
53. Physiological Review
54. PlosOne
55. Proceedings of the National Academy of Science
56. Rheumatology
57. Stem Cells
58. Thrombosis and Haemostasis

GRANT REVIEWER

1. Associazione Italiana per la Ricerca sul Cancro, Italy
2. Swiss Research Foundation, Switzerland
3. Arthritis Research Campaign, UK
4. INSERM, France
5. Fund for Scientific Research, Belgium
6. Wellcome Trust - UK
7. US-Israel Binational Science Foundation, USA-Israel
8. National French Recherche sur les Maladies Rares, France
9. Breast Cancer Campaign funding, UK
10. Panel member 2007 Academy of Finland Research Council for Health, Finland
11. Netherlands Organisation for Health Research and Development, The Netherlands
12. European Calcified Tissue Society Grant Programme, Europe
13. ASBMR Career Establishment Award, USA
14. International Bone and Mineral Society, Sevgi and Gideon Rodan Fellowship
15. Scottish Health Department, Scotland
16. Fondation pour la Recherche Médicale, France
17. Università di Padova, Italy
18. ZoonMW, The Netherlands
19. Fonds Wetenschappelijk Onderzoek, Belgium
20. Leukaemia Research Bennet Fellowship, UK
21. IBMS Gideon and Sevgi Rodan' fellowship, International

ITALIAN MINISTRY OF UNIVERSITY (MIUR) REVIEWER

1. CIVR
2. FIRB
3. ANVUR

PATENTS

1. International Application Number PCT/EP99/02286, α V antisense oligonucleotides
2. Patent submitted for prognostic signatures of breast cancer no. EP 07300823.7
3. Italian patent application N. RM21014A000272, "Small interfering RNA (siRNA) per la terapia dell'osteopetrosi autosomica dominante di tipo 2 (ADO2) causata da mutazione del gene *CLCN7* (ADO2 *CLCN7*-dipendente)"
4. WO 2015177743 A1, Small interfering RNA (sima) for the therapy of type 2 (ado2) autosomal dominant osteopetrosis caused by *clcn7* (ado2 *clcn7*-dependent) gene mutation

PEER REVIEWED PUBLICATIONS (INCLUDING ORIGINAL ARTICLES, INVITED REVIEWS AND CHAPTERS)

1. B. de Bernard, N. Stagni, R. Camerotto, F. Vittur, A. Zambonin Zallone, **A. Teti**: Influence of calcium depletion on medullary bone of laying hens. *Calcif. Tissue Int.* 32:221-228, 1980.
2. A. Zambonin Zallone, **A. Teti**: The osteoclasts of hen medullary bone under hypocalcaemic conditions. *Anat. Embryol.* 162:379-392, 1981.
3. A. Zambonin Zallone, **A. Teti**, M.V. Primavera, B. Nico: Osteoplastic activity of mature osteocytes evaluated by ³[H]-proline incorporation. *Bas. Appl. Histochem.* 26:65-67, 1982.

4. A. Zambonin Zallone, **A. Teti**, S. Iurato: Tympanic membrane homografts: histological findings in a human case. *ORL* 44:81-89, 1982.
5. A. Zambonin Zallone, **A. Teti**, M.V. Primavera: Isolated osteoclasts in primary culture: first observations on structure and survival in culture media. *Anat. Embryol.* 165:405-413, 1982.
6. F.P. Selvaggi, G. Pace, A. Zambonin Zallone, **A. Teti**: Pheochromocytoma: a comparative study of two sampling techniques for electron microscopic evaluation. In "Advances in Urological Oncology and Endocrinology", U. Bracci, F. Di Silverio eds. *Acta Medica*, Rome, pp. 533-536, 1983.
7. A. Zambonin Zallone, **A. Teti**, S. Iurato: Metaplastic bone tissue in tympanosclerosis. *Acta Otolaryngol.* 95:554-559, 1983.
8. A. Zambonin Zallone, **A. Teti**, M.V. Primavera, L. Naldini, P.C. Marchisio: Osteoclasts and monocytes have similar cytoskeletal structures and adhesion property *in vitro*. *J. Anat.* 137:57-70, 1983.
9. A. Zambonin Zallone, **A. Teti**, M.V. Primavera, G. Pace: Mature osteocytes behavior in a repletion period: the occurrence of osteoplastic activity. *Bas. Appl. Histochem.* 27:191-204, 1983.
10. A. Zambonin Zallone, **A. Teti**, M.V. Primavera: Monocytes from circulating blood fuse *in vitro* with purified osteoclasts in primary culture. *J. Cell Sci.* 66:335-342, 1984.
11. A. Zambonin Zallone, **A. Teti**, M.V. Primavera: Resorption of vital or devitalized bone by isolated osteoclasts *in vitro*. The role of lining cells. *Cell Tissue Res.* 235:561-564, 1984.
12. P.C. Marchisio, L. Naldini, D. Cirillo, M.V. Primavera, **A. Teti**, A. Zambonin Zallone: Cell-substratum interaction of cultured avian osteoclasts is mediated by specific adhesion structures. *J. Cell Biol.* 99:1696-1705, 1984.
13. F.P. Selvaggi, G. Pace, A. Zambonin Zallone, **A. Teti**, A. Furino: Ultrastructural study of human pheochromocytoma by open needle biopsy. *Appl. Pathol.* 2:255-263, 1984.
14. A. Zambonin Zallone, **A. Teti**: Osteoclasts: recent knowledge on origin, function and regulation. In *Bone, Cartilage, Joints: Recent Advances in Cellular and Clinical Problems*. Czechoslovak Medical Press, Avicenum, Praha, pp. 25-35, 1985.
15. A. Zambonin Zallone, **A. Teti**: Autoradiographic demonstration of *in vitro* fusion of blood monocytes with osteoclasts. *Bas. Appl. Histochem.* 29:45-48, 1985.
16. **A. Teti**, A. Zambonin Zallone, M. Roberto, V. Balle, G. Salomon, S. Iurato: Microdissection, cytochrome, and transmission electron microscopy: a technique for a comprehensive evaluation of human cochlear pathology. *Acta Otolaryngol. suppl. vol.* 423:15-23, 1985.
17. R. Oreffo, J.T. Triffitt, **A. Teti**, A. Zambonin Zallone, M.O.J. Francis: Vitamin A action on normal and malignant bone cells. In "Calcium Regulation and Bone Metabolism. In "Calcium Regulation and Bone Metabolism. Basic and Clinical Aspects". D.V. Cohn, T.J. Martin, P.J. Meunier eds. *Excerpta Medica*, Amsterdam. vol.9, pp. 349-354, 1987.
18. **A. Teti**, A. Zambonin Zallone: A working hypothesis: Ca⁺⁺ concentration controls directly osteoclast activity. In "Calcium Regulation and Bone Metabolism. Basic and Clinical Aspects". D.V. Cohn, T.J. Martin, P.J. Meunier eds. *Excerpta Medica*, Amsterdam. vol.9, pp. 358-362, 1987.
19. P.C. Marchisio, D. Cirillo, **A. Teti**, A. Zambonin Zallone, G. Tarone: Rous sarcoma virus transformed fibroblasts and cells of monocytic origin display a peculiar dot-like organization of cytoskeletal proteins involved in microfilament-membrane interactions. *Exp. Cell Res.* 169:202-214, 1987.
20. G. Bredberg, **A. Teti**, A. Zambonin Zallone, E. Lundvall, S. Iurato: Ultrastructural evaluation of the microsliding method for the study of temporal bone pathology. *Acta Otolaryngol. suppl. vol.* 436:7-14, 1987.
21. A. Zambonin Zallone, **A. Teti**, S. Iurato: Degeneration patterns in the organ of Corti and spiral lamina. *Acta Otolaryngol. suppl. vol.* 436:124-130, 1987.
22. **A. Teti**, G. Volleth, A. Carano, A. Zambonin Zallone: The effects of parathyroid hormone or 1,25-dihydroxyvitamin D₃ on monocyte-osteoclast fusion. *Calcif. Tissue Int.* 42:302-308, 1988.
23. A. Zambonin Zallone, **A. Teti**, A. Carano, P.C. Marchisio: The distribution of podosomes in osteoclasts cultured on bone laminae: effect of retinol. *J. Bone Min. Res.* 3:517-523, 1988.
24. R. Oreffo, **A. Teti**, M.J.O. Francis, J.T. Triffitt, A. Carano, A. Zambonin Zallone: Effect of vitamin A on bone resorption: evidence of direct stimulation of isolated chicken osteoclasts by retinol and retinoic acid. *J. Bone Miner. Res.* 3:203-210, 1988.
25. **A. Teti**, H.C. Blair, S.L. Teitelbaum, A.J. Kahn, C. Koziol, J. Konsek, A. Zambonin Zallone, P.H. Schlesinger: Cytoplasmic pH regulation and chloride/bicarbonate exchange in avian osteoclasts. *J. Clin. Invest.* 83:227-233, 1989.

26. A. Zambonin Zallone, **A. Teti**, M. Grano, A. Rubinacci, M. Abbadini, M. Gaboli, P.C. Marchisio: Immunocytochemical distribution of extracellular matrix receptors in human osteoclasts: a β_3 integrin is colocalized with vinculin and talin in the podosomes of osteoclastoma giant cells. *Exp. Cell Res.* 182:645-652, 1989.
27. A. Zambonin Zallone, **A. Teti**, M. Gaboli, P.C. Marchisio: β_3 subunit of vitronectin receptor is present in osteoclast adhesion structures and not in other monocyte-macrophage derived cells. *Conn. Tissue Res.* 20:143-149, 1989.
28. **A. Teti**, H.C. Blair, P. Schlesinger, M. Grano, A. Zambonin Zallone, A.J. Kahn, S.L. Teitelbaum, K.A. Hruska: Extracellular protons acidify osteoclasts, reduce cytosolic calcium and promote expression of cell-matrix attachment structures. *J. Clin. Invest.* 84:773-780, 1989.
29. A. Malgaroli, J. Meldolesi, A. Zambonin Zallone, **A. Teti**: Control of cytosolic free calcium in rat and chicken osteoclasts. The role of extracellular calcium and calcitonin. *J. Biol. Chem.* 264:14342-14347, 1989.
30. A. Zambonin Zallone, **A. Teti**: Osteoclasts in primary culture: results and perspective. *Ital. J. Miner. Electr. Metab.* 4:1-4, 1990.
31. **A. Teti**, A. Zambonin Zallone: Structure-function relationships in the osteoclast. *Ital. J. Miner. Electr. Metab.* 4:107-113, 1990.
32. A. Zambonin Zallone, **A. Teti**: Osteoclast bone resorption: a multistep event. In "Calcium Regulation and Bone Metabolism. Basic and Clinical Aspects. vol. 10. D.V. Cohn, T.J. Martin and P.J. Meunier eds., Excerpta Medica, Amsterdam, pp. 411-414, 1990.
33. A. Miyauchi, K.A. Hruska, E.M. Greenfield, D. Randall, J. Alvarez, R. Barattolo, S. Colucci, A. Zambonin Zallone, S.L. Teitelbaum, **A. Teti**: Osteoclast cytosolic calcium, regulated by voltage operated calcium channels and extracellular calcium, controls podosome assembly and bone resorption. *J. Cell Biol.* 111:2543-2552, 1990.
34. A. Zambonin Zallone, **A. Teti**: Isolation and behavior of cultured osteoclasts. In "Bone". vol. 2 The osteoclast. B.K. Hall ed., CRC Press, Boca Raton, Ann Arbor, Boston, chapter 4, pp. 87-118, 1991.
35. **A. Teti**, P.C. Marchisio, A. Zambonin Zallone: The clear zone in the osteoclast function. The role of podosomes in the regulation of the bone resorbing activity. *Am. J. Physiol. - Cell Physiol.* 261:C1-C7, 1991.
36. **A. Teti**, A. Zambonin Zallone: Control of cytosolic calcium in osteoclasts *in vitro*. In "Extra- and Intracellular Calcium and Phosphate Regulation", F Bronner, M Peterlik eds., CRC Press, Boca Raton, Chap. 9, pp. 113-118, 1991.
37. **A. Teti**, A. Zambonin Zallone: Osteoclast isolation and culture. Syllabus Workshop on "Osteoclast Biology: Methods and Pitfalls", XIII Annual Meeting ASBMR, San Diego, CA, pp. 11-24, 1991.
38. **A. Teti**, M. Grano, S. Colucci, A. Zambonin Zallone: Osteoblastic control of osteoclast bone resorption in a serum-free co-culture system. Lack of effect of parathyroid hormone. *Proceedings of the 2nd International Conference on New Actions of Parathyroid Hormones*, pp. 63-68, 1991.
39. **A. Teti**, R. Rizzoli, A. Zambonin Zallone: Parathyroid hormone binding to cultured avian osteoclasts. *Biophys. Biochem. Res. Comm.* 174:1217-1222, 1991.
40. **A. Teti**, A. Tarquilio, M. Grano, S. Colucci, A. Laforgia, F. Mangini, A. Zambonin Zallone: Effects of calcium phosphate-based materials on proliferation and alkaline phosphatase activity of newborn rat postosteal cells *in vitro*. *J. Dent. Res.* 79:991-1001, 1991.
41. A. Miyauchi, J. Alvarez, E.M. Greenfield, **A. Teti**, M. Grano, S. Colucci, A. Zambonin Zallone, F.P. Ross, S.L. Teitelbaum, D. Cheresh, K.A. Hruska: Recognition of osteopontin and related peptides by an $\alpha V\beta_3$ integrin stimulates immediate cell signals in osteoclasts. *J. Biol. Chem.* 266:20369-20374, 1991.
42. **A. Teti**, M. Grano, S. Colucci, F.P. Cantatore, M.C. Loperfido, A. Zambonin Zallone: Osteoblast-osteoclast relationships in bone resorption: osteoblasts enhance osteoclast activity in a serum-free co-culture system. *Biochem. Biophys. Res. Comm.* 179:634-640, 1991.
43. **A. Teti**, A. Zambonin Zallone: Synergistic control of osteoclast activity by calcitonin and extracellular calcium concentration. *Ital. J. Miner. Electr. Metab.* 6:17-21, 1992.
44. **A. Teti**, A. Zambonin Zallone: Osteoclast cytoskeleton and attachment proteins. In "Biology and Physiology of the Osteoclast" B.R. Rifkin and C.V. Gay eds, CRC Press, Inc., Boca Raton, FL., pp. 245-257, 1992.
45. L. Argentino, S. Colucci, M. Grano, R. Barattolo, A. Zambonin Zallone, **A. Teti**: Phosphorylation pathways regulate the extracellular Ca^{2+} -induced signal transduction mechanism in mammalian osteoclasts. In "Calcium Regulation and Bone Metabolism. Basic and Clinical Aspects". D.V. Cohn, T.J. Martin, C. Gennari eds. Excerpta Medica, Amsterdam. vol.11, pp. 165-169, 1992.

46. M. Grano, S. Colucci, P. Zigrino, M. Serra, K. Scotlandi, G. Zambonin, P.C. Marchisio, **A. Teti**, A. Zambonin Zallone: Osteoclast-matrix interaction: β_3 and β_1 integrin chains are coexpressed in focal adhesions over BSP1I- and fibronectin-coated coverslips. In "Calcium Regulation and Bone Metabolism. Basic and Clinical Aspects". D.V. Cohn, T.J. Martin, C. Gennari eds. Excerpta Medica, Amsterdam. vol.11, pp. 345-349, 1992.
47. **A. Teti**: Regulation of cellular function by extracellular matrix. *J. Am. Soc. Nephrol.* 2:S83-S87, 1992.
48. **A. Teti**, S. Colucci, M. Grano, L. Argentino, A. Zambonin Zallone: Protein kinase C affects microfilaments, bone resorption, and $[Ca^{2+}]_o$ -sensing in cultured osteoclasts. *Am. J. Physiol.* 263:C130-C139, 1992.
49. A. Zambonin Zallone, **A. Teti**: Animal models of bone physiology. *Curr. Opin. Rheumatol.* 5:363-367, 1993.
50. M. Grano, R. Faccio, S. Colucci, A. Zambonin Zallone, **A. Teti**: Elevated extracellular calcium inhibits osteoclast bone resorption through a pH-sensitive $[Ca^{2+}]_o$ receptor. Proc.4th International Symposium on Osteoporosis, Hong Kong, pp. 221-224, 1993.
51. S. Colucci, A. De Giorgi, M. Grano, M. De Bellis, **A. Teti**, A. Zambonin Zallone: Role of osteoblasts and stromal cells in the regulation of osteoclastic bone resorption. Proc.4th International Symposium on Osteoporosis, Hong Kong, pp. 267-268, 1993.
52. **A. Teti**: Biology of osteoclasts and molecular mechanisms of bone resorption. *Ital. J. Bone Miner. Electrol.* 7:123-133, 1993.
53. **A. Teti**, F. Naro, M. Molinaro, S. Adamo: Transduction of arginine vasopressin signal in skeletal myogenic cells. *Am. J. Physiol.* 265:C113-C121, 1993.
54. R. Paniccia, S. Colucci, M. Grano, A. Zambonin Zallone, **A. Teti**: Immediate cell signal by bone-related peptides in human osteoclast-like cells. *Am. J. Physiol.* 265:C1289-C1297, 1993.
55. A. Filippini, A. Tripiciano, F. Palombi, **A. Teti**, R. Paniccia, M. Stefanini, E. Ziparo: Rat testicular myoid cells respond to endothelin: characterization of binding and signal transduction pathway. *Endocrinology* 133:1789-1796, 1993.
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