

PERSONAL INFORMATION

Augusto Orlandi



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Sex Male | Date of birth 31/05/1959 | Nationality Italian

1998 to date

Associate Professor of Anatomic Pathology in the Institute of Anatomic and Histological Pathology, Dept. Biopathology and Image Diagnostics, Tor Vergata University of Rome

2001

Confirmation in Role as Associate Professor;
 Nominal clinical work: 25 hours/week as minimum

2008 to date

Director, School of Specialization of Anatomic Pathology, Department of Anatomic Pathology, Tor Vergata University of Rome, Italy

EDUCATION AND TRAINING

1978

High School Diploma, at Keplero Scientific Liceum, Rome, Italy.

1984

Graduation in Medicine and Surgery with a first class honours degree at LA Sapienza University of Rome Italy, with a thesis entitled "Morphological modifications in rabbit aortic and coronary district with aging".

1985

Qualification to Medical and Surgical Profession and registration in the Professional Register of Rome, Italy.

PERSONAL SKILLS

Mother tongue(s)

Italian

Other language(s)

ENGLISH UNDERSTANDING X		SPEAKING X		WRITING X
Listening X	Reading X	Spoken interaction X	Spoken production X	
Good	Good	Good	Good	Good

Replace with language

Other language(s)

FRENCH UNDERSTANDING X		SPEAKING X		WRITING X
Listening X	Reading X	Spoken interaction X	Spoken production X	
Good	Good	Good	Good	Good

Replace with language

Job-related skills

AUTHOR OF CHAPTERS IN BOOKS

Book Chapters

- a. Spagnoli LG, Mauriello A, Palmieri G, **Orlandi A.** and Santeusano G. (1991) Heterogeneous morphological patterns of the fibroatheromatous plaque and risk factors. In: "*Atherosclerotic plaques*", edited by Wissler RW et al. Proceeding of NATO ARW, Plenum Press, New York, pp. 27-37
- b. **Orlandi A.**, Mauriello A, De Angelis C. and Ramacci MT. (1991) Variable responses of young and aged rabbits correlated with serum HDL-cholesterol levels and severity of lesions. In: "*Molecular biology of atherosclerosis*", edited by Halpern MJ, John Libbey and CO Ltd, Chapter 17, pp. 79-84
- c. Spagnoli LG, Bonanno E, Mauriello A. and **Orlandi A.** (1992) Smooth muscle cell behaviour in three-dimensional gels: an in vitro model to evaluate the role of extracellular matrices on cell phenotype. In: "*Biology and Pathology of Cell-Matrix Interactions*" (E. Bonucci Ed.); CLEUP Padova, pp.53-61
- d. Spagnoli LG., Mauriello A, **Orlandi A.** and Bonanno E. (1992) Age-dependent changes of relationship between smooth muscle cells and extracellular matrix in the rabbit aorta. In: "*Biology and Pathology of Cell-Matrix Interactions*" (E. Bonucci Ed.); CLEUP Padova, pp. 63-75
- e. Spagnoli LG, Mauriello A. and **Orlandi A.** (1994) Age-dependent changes of relationship between smooth muscle cells and extracellular matrix in the rabbit aorta: part II. In: "*1994 Report on Biology and Pathology of Cell-Matrix Interactions*", E. Bonucci Ed., CLEUP Padova, pp.243-254
- f. Bianchi L, **Orlandi A.**, Ginebri A. (2001) I fibroblasti: protagonisti sottovalutati nei processi infiammatori cutanei? In: *Modelli di infiammazione cutanea*. TM Lotti Ed, UTET Periodici, pp. 51-54
- g. **Orlandi A.**, Angeloni C. Spagnoli LG (2004) Aspetti istocitopatologici. In: *Il melanoma cutaneo*. S. Chimenti Ed, SEE-Firenze, pp. 75-85
- h. Gabbiani G. and **Orlandi A.** Myofibroblasts. In: Laurent G. and Shapiro S. eds. (2006) *Encyclopedia of Respiratory Medicine*. Amsterdam, Elsevier: 66-72.
- i. **Orlandi A.** (2008) Carotid atherogenesis: from experimental model to humans. In: *Carotid atherosclerotic disease*. Sangiorgi G, Holmes DRJr, eds. Informa UK Ltd, pp. 16-31
- AUTHOR OF >172 ORIGINAL PUBLICATIONS ON INTERNATIONAL JOURNALS WITH PEER REVIEWERS (see list of publications in PUB MED)

Other skills

- 2001 Award from the International Union Against Cancer, with the project entitled "Retinoid receptor expression in human smooth muscle-derived tumors" in the Department de Pathologie, University of Geneva, Switzerland, Chair Prof. G. Gabbiani (ICRETT n. 481/2001);
- 2003 Award from the International Union Against Cancer, with the project entitled "Phenotypic characterization of human cardiac myxomas in the Department de Pathologie Clinique University of Geneva, Switzerland, Chair Prof. R. Genta (ICRETT n. 894/2003);
- 2004 Award from the International Union Against Cancer with the project entitled "Role of retinoids in the phenotypic modulation of lung fibroblasts during tumor progression and usual interstitial pneumonia", in the Department of Clinical Pathology, University of Geneva, Switzerland, Chair Prof. R. Genta (ICRETT n. 104/2004)

ADDITIONAL INFORMATION

Research

- Memberships
- Organizing of official Events
- Technical and Scientific roles
- Grants
- Book Chapters
- References

The main research fields of Prof. Orlandi:

- 1) cardiovascular pathology, investigating experimental model of atherosclerotic lesions and restenosis *in vivo* and restenotic and plaque cells *in vitro*, with reference to atherogenetic mechanisms, including risk factors as hypercholesterolemia and ageing. In the same fields, main subjects of research are the arterial cellular and extracellular modifications with ageing; experimental atherosclerosis and restenosis, proliferative and phenotypic modifications of arterial smooth muscle cells after vascular injury and the characterization of plaque cell population;
- 2) arterial smooth muscle cells biological properties, with particular reference to the expression of proteins and genes regulating cell survival or death, in particular clusterin, NK-KB and apoptotic-related proteins, such as Bax and cytochrome c; the possible pharmacological modulation of smooth muscle cell apoptosis in aimed to counteract restenosis in experimental models *in vivo* and *in vitro*;
- 3) the study of cardiac tumors, with particular reference to the application of biomolecular methods, in order to clarify the mechanisms influencing their clinical behaviour and addressing new hypothesis concerning the origin of cardiac tumours still classified as of "unknown origin", including myxoma and unclassified sarcoma; the application of more modern genetic and biomolecular approaches, in conjunction with classical methods of investigation, will help to discover the origin of these tumors, in particular malignant sarcoma and lymphoma of the heart, and better address the therapeutic approach to these tumours still with a sfavourable prognosis;
- 4) the study histomorphometrical study of human and experimental tumors, with particular reference to the cellular expression of cytoplasmic retinol and retinoic receptors. The investigation of the variable expression of this receptor may address new therapeutic perspectives aimed to control intracytoplasmic retinol derivative bioavailability;
- 5) a project concerning the characterization of experimental models of human tumorigenesis, with particular reference to the effect of new potential anti-angiogenetic drugs;
- 6) The study of melanocytic and non-melanocytic skin tumors, with particular reference to mechanisms regulating proliferation and apoptosis of tumour cells and its pharmacological modulation;
- 7) Role of retinoids in the phenotypic modulation of lung fibroblasts and myofibroblasts during tumor progression and usual interstitial pneumonia, with particular reference to proliferative a and apoptotic response of different fibroblast phenotypes.

Società Italiana di Anatomia ed Istologia Patologica

- Society for Cutaneous Ultrastructural Research
- Società Italiana dello Studio dell'Aterosclerosi
- Società Italiana di Dermatopatologia
- International Vascular Biology Association
- European Society of Dermatopathology
- Gruppo Italiano di Studio di Patologia Cardiovascolare
- International Association of Biomedical Gerontology
- Association for European Cardiovascular Pathology
- European Society of Pathology

Organizer and Scientific Secretary of the following events for Pathologists:

- 2003 Vth Theoretic and Practical Course of Anatomic Pathology (Tor Vergata University of Rome, Italy, 29-30 October; ECM credits: 10)
- 2004 VIth Theoretic and Practical Course of Anatomic Pathology (Tor Vergata University of Rome, 21-22 October;, ECM credits: 6)
- 2005 VIIth Theoretic and Practical Course of Anatomic Pathology (Tor Vergata University of Rome, 21-22 October;, ECM credits: 9)
- 2006 VIIIth Theoretic and Practical Course of Anatomic Pathology (Tor Vergata University of Rome, 21-22 October;, ECM credits: 9)
- 2007 IXth Theoretic and Practical Course of Anatomic Pathology (Tor Vergata University of Rome, 21-22 October; ; ECM credits: 13)
- 2008 Xth Theoretic and Practical Course of Anatomic Pathology (Tor Vergata University of Rome, 24-25 November; ECM credits: 10)
- 2009 XIth Theoretic and Practical Course of Anatomic Pathology (Tor Vergata University of Rome, 16-17 November; ECM credits: 10)

Reviewer for the following journals:

- Journal of Biological Chemistry
- Arteriosclerosis, Thrombosis and Vascular Biology
- Atherosclerosis
- Journal of Clinical Pathology
- Journal of Cardiovascular Pharmacology
- Journal of Experimental Gynecological Research

1998- 2004: Responsible of Academic Projects of Research at Tor Vergata University of Rome, Italy (ex 60%)

1998- 2004: Grants for Academic Projects of Research at Tor Vergata University of Rome, Italy

1999-2000: Responsible of operative Unit for a National Project financed from Italian Research Ministry, MUIR, Italy, entitled "The role of smooth muscle cells in atherogenesis: pharmacological implications", National Coordinator, Prof. A. Corsini (Milan, Italy).

2008-2010: Responsible of Operative Unit of a National project financed from Italian Healthy Ministry entitled "Evaluation and comparison of clinical and biomolecular efficacy of biological therapy in patients with psoriasis", Coordinator, Institute S. Gallicano of Rome, Italy.

2010-2011: **Coordinator** of a National project financed from Italian Healthy Ministry entitled "Identification of new biomolecular markers for the early diagnosis and possible therapeutic targets in patients with leiomyomatosis-related syndromes", Tor Vergata University of Rome, Italy

References (last 3 years)

1. A placental growth factor variant unable to recognize vascular endothelial growth factor (VEGF) receptor-1 inhibits VEGF-dependent tumor angiogenesis via heterodimerization. Tarallo V, Vesce L, Capasso O, Esposito MT, Riccioni T, Pastore L, Orlandi A, Pisano C, De Falco S. *CANCER RESEARCH* (2011).
2. Transglutaminase 2 as a biomarker of osteoarthritis: an update. Tarantino U, Ferlosio A, Arcuri G, Spagnoli L, Orlandi A. *AMINO ACIDS* (2011).
3. Epithelium integrity is crucial for the relaxant activity of brain natriuretic peptide in human isolated bronchi. Matera MG, Calzetta L, Passeri D, Facciolo F, Rendina EA, Page C, Cazzola M, Orlandi A. *BRITISH JOURNAL OF PHARMACOLOGY* (2011).
4. Cerebriform plantar hyperplasia: the clinico-pathological hallmark of Proteus syndrome. Di Stefani A, Gabellini M, Ferlosio A, Spagnoli L, Chimenti S, Orlandi A. *ACTA DERMATO- VENEREOLOGICA* (2011).
5. Application of enhanced stromal vascular fraction and fat grafting mixed with PRP in post-traumatic lower extremity ulcers. Cervellil V, Gentile P, De Angelis B, Calabrese C, Di Stefani A, Scioli MG, Curcio BC, Felici M, Orlandi A. *STEM CELL RESEARCH* (2011).
6. The biflavonoid amentoflavone inhibits neovascularization preventing the activity of proangiogenic vascular endothelial growth factors. Tarallo V, Lepore L, Marcellini M, Dal Piaz F, Tudisco L, Ponticelli S, Lund FW, Roepstorff P, Orlandi A, Pisano C, De Tommasi N, De Falco S. *THE JOURNAL OF BIOLOGICAL CHEMISTRY* (2011).
7. DNA damage persistence as determinant of tumor sensitivity to the combination of Topo I inhibitors and telomere-targeting agents . Biroccio A, Porru M, Rizzo A, Salvati E, D'Angelo C, Orlandi A, Passeri D, Franceschin M, Stevens MF, Gilson E, Beretta G, Zupi G, Pisano C, Zunino F, Leonetti C. *CLINICAL CANCER RESEARCH* (2011).
8. Spontaneous immunogenicity of ribosomal P0 protein in patients with benign and malignant breast lesions and delay of mammary tumor growth in P0-vaccinated mice. Marzocchella L, Sini V, Buonomo O, Orlandi A, Masuelli L, Bonanno E, Lista F, Turriziani M, Manzari V, Roselli M, Modesti A, Bei R. *CANCER SCIENCE* (2011).
9. Concise review: adipose-derived stromal vascular fraction cells and platelet-rich plasma: basic and clinical implications for tissue engineering therapies in regenerative surgery. Gentile P, Orlandi A, Scioli MG, Di Pasquali C, Bocchini I, Cervelli V. *Stem Cells Transl Med.* (2012).
10. The mitogen-activated protein kinase (MAPK) cascade controls phosphatase and tensin homolog (PTEN) expression through multiple mechanisms. Ciuffreda L, Di Sanza C, Cesta Incani U, Eramo A, Desideri M, Biagioni F, Passeri D, Falcone I, Sette G, Bergamo P, Anichini A, Sabapathy K, McCubrey JA, Ricciardi MR, Tafuri A,

- Blandino G, Orlandi A, De Maria R, Cognetti F, Del Bufalo D, Milella M. *JOURNAL OF MOLECULAR MEDICINE* (2012).
11. The curative efficacy of namitecan (ST1968) in preclinical models of pediatric sarcoma is associated with antiangiogenic effects. Cassinelli G, Zuco V, Petrangolini G, De Cesare M, Tortoreto M, Lanzi C, Cominetti D, Zaffaroni N, Orlandi A, Passeri D, Meco D, Di Francesco AM, Riccardi R, Bucci F, Pisano C, Zunino F. *BIOCHEMICAL PHARMACOLOGY* (2012).
 12. Stem cells, aging and pulmonary vascular remodelling. Ferlosio A, Orlandi A. *SARCOIDOSIS VASCULITIS AND DIFFUSE LUNG DISEASES* (2012).
 13. Rescue of murine silica-induced Spitalieri P, Quitadamo MC, Orlandi A, Guerra L, Giardina E, Casavola V, Novelli G, Saltini C, Sangiuolo F lung injury and fibrosis by human embryonic stem cells. *EUROPEAN RESPIRATORY JOURNAL* (2012).
 14. Platelet-Rich Plasma Greatly Potentiates Insulin-Induced Adipogenic Differentiation of Human Adipose-Derived Stem Cells Through a Serine/Threonine Kinase Akt-Dependent Mechanism and Promotes Clinical Fat Graft Maintenance. Cervelli V, Scioli MG, Gentile P, Doldo E, Bonanno E, Spagnoli LG, Orlandi A. *STEM CELLS TRANSLATIONAL MEDICINE* (2012).
 15. Neurotrophins, their receptors and KI-67 in human GH-secreting pituitary adenomas: an immunohistochemical analysis. Artico M, Bianchi E, Magliulo G, De Vincentis M, De Santis E, Orlandi A, Santoro A, Pastore F, Giangaspero F, Caruso R, Re M, Fumagalli L. *INTERNATIONAL JOURNAL OF IMMUNOPATHOLOGY AND PHARMACOLOGY* (2012).
 16. Epithelial-smooth muscle cooperation is needed for brain natriuretic peptide-dependent bronchorelaxant activity. Matera MG, Calzetta L, Passeri D, Rogliani P, Orlandi A. *PULMONARY PHARMACOLOGY & THERAPEUTICS* (2012).
 17. Diabetes and aging: a different phenotypic commitment of circulating and resident stem cells? Ferlosio A, Orlandi A. *ACTA DIABETOLOGICA* (2012)
 18. Cryopreserved Penile Tunica Albuginea for Allotransplantation: A Morphological and Ultrastructural Investigation. Loreto C, Orlandi A, Ferlosio A, Djinovic R, Basic D, Bettocchi C, Rutigliano M, Barbagli G, Vespasiani G, Caltabiano R, Musumeci G, Sansalone S. *THE JOURNAL OF SEXUAL MEDICINE* (2012).
 19. Age-related increase of stem marker expression influences vascular smooth muscle cell properties. Ferlosio A, Arcuri G, Doldo E, Scioli M, De Falco S, Spagnoli L, Orlandi A. *ATHEROSCLEROSIS* (2012).
 20. A Comparative Translational Study: The Combined Use of Enhanced Stromal Vascular Fraction and Platelet-Rich Plasma Improves Fat Grafting Maintenance in Breast Reconstruction. Gentile P, Orlandi A, Scioli MG, Di Pasquali C, Bocchini I, Curcio CB, Floris M, Fiaschetti V, Floris R, Cervelli V. *STEM CELLS TRANSLATIONAL MEDICINE* (2012).
 21. Removal of the BH4 domain from Bcl-2 protein triggers an autophagic process that impairs tumor growth. Trisciuglio D, De Luca T, Desideri M, Passeri D, Gabellini C, Scarpino S, Liang C, Orlandi A, Del Bufalo D. *NEOPLASIA* (2013).
 22. Progressive late-onset of cutaneous angiomatosis as possible sign of cerebral cavernous malformations. Campione E, Diluvio L, Terrinoni A, Di Stefani A, Orlandi A, Chimenti S, Bianchi L. *DERMATOLOGY ONLINE JOURNAL* (2013).
 23. Low-grade fibromyxoid sarcoma: an unusual cardiac location Ferlosio A, Doldo E, Polisca P, Orlandi A. *CARDIOVASCULAR PATHOLOGY*(2013).
 24. Bowenoid papulosis and invasive Bowen's disease: a multidisciplinary approach. Campione E, Centonze C, Diluvio L, Orlandi A et al., *ACTA DERMATO-VENEREOLOGICA* (2013).
 25. Blood MUC-18/MCAM expression in patients with melanoma: a suitable marker of poor outcome. Rapanotti MC, Rizzo I, Campione E, Orlandi A, Bianchi L. *BRITISH JOURNAL OF DERMATOLOGY*, (2013).
 26. P.R.L. Platelet Rich Lipotransfert: Our Experience and Current State of Art in the Combined Use of Fat and PRP. Cervelli V, Bocchini I, Di Pasquali C, De Angelis B, Cervelli G, Curcio CB, Orlandi A, Scioli MG, Tati E, Delogu P, Gentile P. *BIOMED RESEARCH INTERNATIONAL* (2013).
 27. BH4 domain of bcl-2 protein is required for its proangiogenic function under hypoxic condition. Gabellini C, De Luca T, Trisciuglio D, Desideri M, Di Martile M, Passeri D, Candiloro A, Biffoni M, Rizzo MG, Orlandi A, Del Bufalo D. *CARCINOGENESIS* (2013).
 28. Subclinical Breast Cancer: Minimally Invasive Approaches. Our Experience with Percutaneous Radiofrequency Ablation vs. Cryotherapy. Manenti G, Scarano AL, Pistolesse CA, Perretta T, Bonanno E, Orlandi A, Simonetti G. *Breast Care* (2013)
 29. Pyoderma gangrenosum in refractory celiac disease: a case report. Sedda S, Caruso R, Marafini I, Campione E, Orlandi A, Pallone F, Monteleone G. *BMC Gastroenterol.* (2013)
 30. Human embryonic stem cells recover in vivo acute lung inflammation bleomycin-

- induced. Sanguolo F, Spitalieri P, Quitadamo MC, Orlandi A, Puxeddu E, Curradi G, Sanguolo F. Sarcoidosis Vasc Diffuse Lung Dis. (2013)
31. Brain Natriuretic Peptide Protects Against Hyperreactivity of Human Asthmatic Airway Smooth Muscle via an Epithelial Cell Dependent Mechanism. Calzetta L, Passeri D, Kanabar V, Rogliani P, Page C, Cazzola M, Matera MG, Orlandi A. AMERICAN JOURNAL OF RESPIRATORY CELL AND MOLECULAR BIOLOGY (2014).
 32. Sortilin expression is essential for pro-nerve growth factor-induced apoptosis of rat vascular smooth muscle cells. Campagnolo L, Costanza G, Francesconi A, Arcuri G, Moscatelli I, Orlandi A. PLoS One. (2014)
 33. Chronically Sun-damaged Melanomas Express Low Levels of Nuclear Glutathione-S-transferase- π : An Epidemiological and Clinicopathological Study in Italy. Campione E, Medda E, Paternò EJ, Diluvio L, Ricozzi I, Carboni I, Costanza G, Rossi P, Rapanotti C, Di Stefani A, Chimenti S, Bianchi L, Orlandi A. Acta Derm Venereol. (2014)
 34. Propionyl-L-Carnitine is Efficacious in Ulcerative Colitis Through its Action on the Immune Function and Microvasculature. Scioli MG, Stasi MA, Passeri D, Doldo E, Costanza G, Camerini R, Fociani P, Arcuri G, Lombardo K, Pace S, Borsini F, Orlandi A. Clin Transl Gastroenterol. (2014)

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Firma

Prof. Augusto Orlandi

