

## List of publications

115 Peer-reviewed articles - 45 Abstract - 13 Book chapters - 4.318 citations – h-index: 38 (SCOPUS)

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1. CRISTALDI DA, SARGENTI A, BONETTI S, MUSMECI F, DELPRETE C, BACCHI F, PASQUA S, CAVALLO C, BONSI L, ALVIANO F, GAZZOLA D, SANTI S. (2020). A reliable flow-based method for the accurate measure of mass density, size and weight of live 3D tumor spheroids. *MICROMACHINES*, (in press)
2. EVANGELISTI C, CHIARINI F, CAPPELLINI A, PAGANELLI F, FINI M, SANTI S, MARTELLI AM, NERI LM, EVANGELISTI C. (2020). Targeting Wnt/ $\beta$ -catenin and PI3K/Akt/mTOR pathways in T-cell acute lymphoblastic leukemia. *JOURNAL OF CELLULAR PHYSIOLOGY*, p. 1-16, ISSN: 1097-4652, doi: 10.1002/jcp.29429
3. MINGUZZI M, GUIDOTTI S, PLATANO D, D'ADAMO S, CETRULLO S, ASSIRELLI E, SANTI S, MARIANI E, TRISOLINO G, FILARDO G, FLAMIGNI F, BORZÌ RM. (2019). Polyamine supplementation reduces DNA damage in adipose stem cells cultured in 3-D. *SCIENTIFIC REPORTS*, vol. 9, 14269, ISSN: 2045-2322, doi: 10.1038/s41598-019-50543-z
4. PAGANI S, MINGUZZI M, SICURO L, VERONESI F, SANTI S, SCOTTO D'ABUSCO A, FINI M, BORZÌ RM. (2019). The N-Acetyl Phenylalanine Glucosamine Derivative Attenuates the Inflammatory/Catabolic Environment in a Chondrocyte-Synoviocyte Co-Culture System. *SCIENTIFIC REPORTS*, vol. 9, p. 1-15, ISSN: 2045-2322, doi: 10.1038/s41598-019-49188-9
5. STORCI G, DE CAROLIS S, PAPI A, BACALINI MG, GENSOUS N, MARASCO E, TESEI A, FABBRI F, ARIENTI C, ZANONI M, SARNELLI A, SANTI S, OLIVIERI F, MENSÀ E, LATINI S, FERRACIN M, SALVIOLI S, GARAGNANI P (2019). Genomic stability, anti-inflammatory phenotype, and up-regulation of the RNaseH2 in cells from centenarians. *CELL DEATH AND DIFFERENTIATION*, p. 1-14, ISSN: 1476-5403, doi: 10.1038/s41418-018-0255-8
6. GELFO V, MAZZESCHI M, GRILLI G, LINDZEN M, SANTI S, D'UVA G, GYORFFY B, ARDIZZONI A, YARDEN Y, LAURIOLA M (2018). A Novel Role for the Interleukin-1 Receptor Axis in Resistance to Anti-EGFR Therapy. *CANCERS*, vol. 10, p. 1-16, ISSN: 2072-6694, doi: 10.3390/cancers10100355
7. MARTELLA E, FERRONI C, GUERRINI A, BALLESTRI M, COLUMBARO M, SANTI S, SOTGIU G, SERRA M, DONATI DM, LUCARELLI E, VARCHI G, DUCHI S (2018). Functionalized Keratin as Nanotechnology-Based Drug Delivery System for the Pharmacological Treatment of Osteosarcoma. *INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES*, vol. 19, PMC6274803, ISSN: 1661-6596, doi: 10.3390/ijms19113670
8. APOLONIO FM, MAZZONI A, ANGELONI V, SCAFFA PM, SANTI S, SABOIA VP, TAY FR, PASHLEY DH, BRESCHI L (2017). Effect of a one-step self-etch adhesive on endogenous dentin matrix metalloproteinases. *EUROPEAN JOURNAL OF ORAL SCIENCES*, vol. 125, p. 168-172, ISSN: 1600-0722, doi: 10.1111/eos.12337
9. DUCHI S, PICCININI F, PIERINI M, BEVILACQUA A, TORRE ML, LUCARELLI E, SANTI S (2017). A new holistic 3D non-invasive analysis of cellular distribution and motility on fibroin-alginate microcarriers using light sheet fluorescent microscopy. *PLOS ONE*, vol. 12, p. 1-17, ISSN: 1932-6203, doi: 10.1371/journal.pone.0183336
10. GUIDOTTI S, MINGUZZI M, PLATANO D, SANTI S, TRISOLINO G, FILARDO G, MARIANI E, BORZÌ RM (2017). Glycogen Synthase Kinase-3 $\beta$  Inhibition Links Mitochondrial Dysfunction, Extracellular Matrix Remodelling and Terminal Differentiation in Chondrocytes. *SCIENTIFIC REPORTS*, vol. 7, p. 1-14, ISSN: 2045-2322, doi: 10.1038/s41598-017-12129-5
11. MAURIZI G, POLONI A, MATTIUCCI D, SANTI S, MAURIZI A, IZZI V, GIULIANI A, MANCINI S, ZINGARETTI MC, PERUGINI J, SEVERI I, FALCONI M, VIVARELLI M, RIPPO MR, CORVERA S, GIORDANO A, LEONI P, CINTI S (2017). Human white adipocytes convert into "rainbow" adipocytes in vitro. *JOURNAL OF CELLULAR PHYSIOLOGY*, vol. 232 (10), p. 2887 -2899, ISSN: 1097-4652, doi: 10.1002/jcp.25743
12. GELFO V, RODIA MT, PUCCI M, DALL'ORA M, SANTI S, SOLMI R, ROTH L, LINDZEN M, BONAFÈ M, BERTOTTI A, CAMELLI E, LOLLINI PL, TRUSOLINO L, YARDEN Y, D'UVA G, LAURIOLA M (2016). A module of inflammatory cytokines defines resistance of colorectal cancer to EGFR inhibitors. *ONCOTARGET*, p. 1-17, ISSN: 1949-2553, doi: 10.18632/oncotarget.12354
13. SABATELLI P, SARDONE F, TRAINA F, MERLINI L, SANTI S, WAGENER R, FALDINI C (2016). TGF- $\beta$ 1 differentially modulates the collagen VI  $\alpha$ 5 and  $\alpha$ 6 chains in human tendon cultures. *JOURNAL OF BIOLOGICAL REGULATORS & HOMEOSTATIC AGENTS*, vol. 4, p. 107-113, ISSN: 0393-974X
14. SARDONE F, SANTI S, TAGLIAVINI F, TRAINA F, MERLINI L, SQUARZONI S, CESCONE M, WAGENER R, MARALDI NM, BONALDO P, FALDINI C, SABATELLI P (2016). Collagen VI-NG2 axis in human tendon

- fibroblasts under conditions mimicking injury response. *MATRIX BIOLOGY*, vol. pii: S0945-053X (16)30023-3, p. 1-16, ISSN: 0945-053X, doi: 10.1016/j.matbio.2016.02.012
15. SARDONE F, TRAINA F, BONDI A, MERLINI L, SANTI S, MARALDI NM, FALDINI C, SABATELLI P (2016). Tendon Extracellular Matrix Alterations in Ullrich Congenital Muscular Dystrophy. *FRONTIERS IN AGING NEUROSCIENCE*, vol. 8, p. 1-9, ISSN: 1663-4365, doi: 10.3389/fnagi.2016.00131
  16. VIGNOLI B, BATTISTINI G, MELANI R, BLUM R, SANTI S, BERARDI N, CANOSSA M (2016). Peri-Synaptic Glia Recycles Brain-Derived Neurotrophic Factor for LTP Stabilization and Memory Retention. *NEURON*, vol. 92, p. 1-15, ISSN: 0896-6273, doi: 10.1016/j.neuron.2016.09.031
  17. ZANONI M, PICCININI F, ARIENTI C, ZAMAGNI A, SANTI S, POLICO R, BEVILACQUA A, TESEI A (2016). 3D tumor spheroid models for in vitro therapeutic screening: a systematic approach to enhance the biological relevance of data obtained. *SCIENTIFIC REPORTS*, vol. 6, p. 1-11, ISSN: 2045-2322, doi: 10.1038/srep19103
  18. GUIDOTTI S, MINGUZZI M, PLATANO D, SANTI S, MARIANI E, TRISOLINO G, FILARDO G, BORZI RM (2015). GSK3 beta: a key regulator of oxidative stress in 3D-cultures of osteoarthritic chondrocytes. *THE FEBS JOURNAL*, vol. 282, p. 396-397, ISSN: 1742-464X
  19. ANGELONI V, MAZZONI A, CADENARO M, SANTI S, FALCONI M, DI LENARDA R, TAY FR, PASHLEY DH, BRESCHI L (2014). Effect of EDC on the interface of a self-etch adhesive. *DENTAL MATERIALS*, vol. 30, p. e1-e180, ISSN: 0109-5641, doi: <http://dx.doi.org/10.1016/j.dental.2014.08.128>
  20. MAZZONI A, APOLONIO FM, SABOIA VP, SANTI S, ANGELONI A, CHECCHI V, CURCI R, DI LENARDA R, TAY FR, PASHLEY DH, BRESCHI L (2014). Carbodiimide inactivation of MMPs and effect on dentin bonding. *JOURNAL OF DENTAL RESEARCH*, vol. 93, p. 263-268, ISSN: 0022-0345, doi: 10.1177/0022034513516465
  21. PARRILLI A, PAGANI S, MALTARELLO MC, SANTI S, SALERNO A, NETTI PA, GIARDINO R, RIMONDINI L, FINI M (2014). Three-dimensional cellular distribution in polymeric scaffolds for bone regeneration: a microCT analysis compared to SEM, CLSM and DNA content. *JOURNAL OF MICROSCOPY*, vol. 255, p. 20-29, ISSN: 0022-2720, doi: 10.1111/jmi.12132
  22. SABATELLI P, CASTAGNARO S, TAGLIAVINI F, CHRISAM M, SARDONE F, DEMAY L, RICHARD P, SANTI S, MARALDI NM, MERLINI L, SANDRI M, BONALDO P (2014). Aggresome-autophagy involvement in a sarcopenic patient with rigid spine syndrome and a p.C15OR mutation in FHL1 gene. *FRONTIERS IN AGING NEUROSCIENCE*, vol. 6, p. 1-11, ISSN: 1663-4365, doi: 10.3389/fnagi.2014.00215
  23. SARDONE F, TRAINA F, TAGLIAVINI F, PELLEGRINI C, MERLINI L, SQUARZONI S, SANTI S, NERI S, FALDINI C, MARALDI NM, SABATELLI P (2014). Effect of mechanical strain on the collagen VI pericellular matrix in anterior cruciate ligament fibroblasts. *JOURNAL OF CELLULAR PHYSIOLOGY*, vol. 229, p. 878-886, ISSN: 0021-9541, doi: 10.1002/jcp.24518
  24. TAGLIAVINI F, PELLEGRINI C, SARDONE F, SQUARZONI S, PAULSSON M, WAGENER R, GUALANDI F, TRABANELLI C, FERLINI A, MERLINI L, SANTI S, MARALDI NM, FALDINI C, SABATELLI P (2014). Defective collagen VI alpha 6 chain expression in the skeletal muscle of patients with collagen VI-related myopathies. *BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR BASIS OF DISEASE*, vol. 1842, p. 1604-1612, ISSN: 0925-4439, doi: 10.1016/j.bbadis.2014.05.033
  25. ZUCCARO E, BERGAMI M, VIGNOLI B, BONY G, PIERCHALA BA, SANTI S, CANCEDDA L, CANOSSA M (2014). Polarized expression of p75(NTR) specifies axons during development and adult neurogenesis. *CELL REPORTS*, vol. 7, p. 138-152, ISSN: 2211-1247, doi: 10.1016/j.celrep.2014.02.039
  26. ZULIAN A, TAGLIAVINI F, RIZZO E, PELLEGRINI C, SARDONE F, ZINI N, MARALDI NM, SANTI S, FALDINI C, MERLINI L, PETRONILLI V, BERNARDI P, SABATELLI P (2014). Melanocytes from patients affected by Ullrich congenital muscular dystrophy and Bethlem myopathy have dysfunctional mitochondria that can be rescued with cyclophilin inhibitors. *FRONTIERS IN AGING NEUROSCIENCE*, vol. 6, p. 1-10, ISSN: 1663-4365, doi: 10.3389/fnagi.2014.00324
  27. DUCHI S, SOTGIU G, LUCARELLI E, BALLESTRI M, DOZZA B, SANTI S, GUERRINI A, DAMBRUOSO P, GIANNINI S, DONATI D, VARCHI G (2013). Mesenchymal stem cells as delivery vehicle of porphyrin loaded nanoparticles: effective photoinduced in vitro killing of osteosarcoma. *JOURNAL OF CONTROLLED RELEASE*, vol. 168, p. 225-237, ISSN: 0168-3659, doi: 10.1016/j.jconrel.2013.03.012
  28. SCHENA F, VOLPI S, FALITI CE, PENCO F, SANTI S, PROIETTI M, SCHENK U, DAMONTE G, SALIS A, BELLOTTI M, FAIS F, TENCA C, GATTORNO M, EIBEL H, RIZZI M, WARNATZ K, IDZKO M, AYATA K, RAKHMANOV M, GALLI T, MARTINI A, CANOSSA M, GRASSI F, TRAGGIAI E (2013). Dependence of immunoglobulin class switch recombination in B cells on vesicular release of ATP and cd73 ectonucleotidase activity. *CELL REPORTS*, vol. 3, p. 1824-1831, ISSN: 2211-1247, doi: 10.1016/j.celrep.2013.05.022
  29. BOLOGNESI A, POLITO L, SCICCHITANO V, ORRICO C, PASQUINELLI G, MUSIANI S, SANTI S, RICCIO M, BORTOLOTTI M, BATTELLI MG (2012). Endocytosis and intracellular localisation of type 1

- ribosome-inactivating protein saporin-s6. *JOURNAL OF BIOLOGICAL REGULATORS & HOMEOSTATIC AGENTS*, vol. 26, p. 97-109, ISSN: 0393-974X
30. CANOSSA M, SANTI S, BERNINGER B (2012). New strategies for regenerating the injured brain. *EUROPEAN JOURNAL OF NEURODEGENERATIVE DISEASES*, vol. 1, p. 325-334, ISSN: 2279-5855
  31. MAZZONI A, APOLÔNIO FM, SABOIA VPA, SANTI S, TURCO G, DI LENARDA R, TAY FR, PASHLEY DH, BRESCHI L (2012). EDC inactivates endogenous MMPs within the hybrid layer. *DENTAL MATERIALS*, vol. 29, p. e1-e96, ISSN: 0109-5641, doi: <http://dx.doi.org/10.1016/j.dental.2013.08.163>
  32. TRAGGIAI E, SCHENA F, VOLPI S, PENCO F, SANTI S, PROIETTI M, SCHENK U, DAMONTE G, SALIS A, BELLOTTI M, FAIS F, TENCA C, MARTINI A, GATTORNO M, EIBEL H, RIZZI M, WARNATZ K, CANOSSA M, GRASSI F (2012). Regulation of human immunoglobulin class switch by surface ectonucleotidases. *JOURNAL OF CLINICAL IMMUNOLOGY*, vol. 32, p. 17, ISSN: 0271-9142
  33. BORZÍ RM, OLIVOTTO E, PAGANI S, VITELLOZZI R, NERI S, BATTISTELLI M, FALCIERI E, FACCHINI A, FLAMIGNI F, PENZO M, PLATANO D, SANTI S, FACCHINI A, MARCU KB (2010). Matrix metalloproteinase 13 loss associated with impaired extracellular matrix remodeling disrupts chondrocyte differentiation by concerted effects on multiple regulatory factors. *ARTHRITIS AND RHEUMATISM*, vol. 62, p. 2370-2381, ISSN: 0004-3591, doi: [10.1002/art.27512](https://doi.org/10.1002/art.27512)
  34. BORZÍ RM, PLATANO D, OLIVOTTO E, PAGANI S, SANTI S, FACCHINI A, FLAMIGNI F, FACCHINI A, MARCU KB (2010). ECM remodelling affects Sox9-gsk3beta dependent control of beta-catenin in chondrocytes. *OSTEOARTHRITIS AND CARTILAGE*, vol. 18, p. S94, ISSN: 1063-4584
  35. DUCA M, DOZZA B, LUCARELLI E, SANTI S, DI GIORGIO A, BARBARELLA G (2010). Fluorescent labeling of human mesenchymal stem cells by thiophene fluorophores conjugated to a lipophilic carrier. *CHEMICAL COMMUNICATIONS*, vol. 46, p. 7948-7950, ISSN: 1359-7345, doi: [10.1039/c0cc01918f](https://doi.org/10.1039/c0cc01918f)
  36. A.CIARROCCHI, R.DANGELO, C.CORDIGLIERI, A.RISPOLI, SANTI S, M.RICCIO, S.CARONE, A.L.MANCIA, S.PACI, E.CIPOLLINI, D.AMBROSETTI, M.MELLI (2009). Tollip is a mediator of protein sumoylation. *PLOS ONE*, vol. 4, p. 1-10, ISSN: 1932-6203, doi: [10.1371/journal.pone.0004404](https://doi.org/10.1371/journal.pone.0004404)
  37. BERGAMI M, SANTI S, FORMAGGIO E, CAGNOLI C, VERDERIO C, BLUM R, BERNINGER B, MATTEOLI M, CANOSSA M (2009). Uptake and recycling of pro-BDNF for transmitter-induced secretion by cortical astrocytes. *GLIA*, vol. 57, ISSN: 0894-1491
  38. BORZÍ RM, OLIVOTTO E, PAGANI S, PLATANO D, SANTI S, FACCHINI A, FLAMIGNI F, FACCHINI A, MARCU KB (2009). A functional link between ECM homeostasis and Sox-9 mediated control of beta-catenin activity. *OSTEOARTHRITIS AND CARTILAGE*, vol. 17, p. S117, ISSN: 1063-4584
  39. BERGAMI M, RIMONDINI R, SANTI S, BLUM R, GÖTZ M, CANOSSA M (2008). Deletion of TrkB in adult progenitors alters newborn neuron integration into hippocampal circuits and increases anxiety-like behavior. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, vol. 105, p. 15558-15563, ISSN: 0027-8424, doi: [10.1073/pnas.0803702105](https://doi.org/10.1073/pnas.0803702105)
  40. BERGAMI M, SANTI S, FORMAGGIO E, CAGNOLI C, VERDERIO C, BLUM R, BERNINGER B, MATTEOLI M, CANOSSA M (2008). Uptake and recycling of pro-BDNF for transmitter-induced secretion by cortical astrocytes. *THE JOURNAL OF CELL BIOLOGY*, vol. 183, p. 213-221, ISSN: 0021-9525, doi: [10.1083/jcb.200806137](https://doi.org/10.1083/jcb.200806137)
  41. CIPOLLINI E, RICCIO M, DI GIAIMO R, DAL PIAZ F, PULICE G, CATANIA S, CALDARELLI I, DEMBIC M, SANTI S, MELLI M (2008). Cystatin B and its EPM1 mutants are polymeric and aggregate prone in vivo. *BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH*, vol. 1783, p. 312-322, ISSN: 0167-4889, doi: [10.1016/j.bbamcr.2007.08.007](https://doi.org/10.1016/j.bbamcr.2007.08.007)
  42. MATTIOLI E, COLUMBARO M, CAPANNI C, SANTI S, MARALDI NM, D'APICE MR, NOVELLI G, RICCIO M, SQUARZONI S, FOISNER R, LATTANZI G (2008). Drugs affecting Prelamin A processing: effects on heterochromatin organization. *EXPERIMENTAL CELL RESEARCH*, vol. 314, p. 453-462, ISSN: 0014-4827, doi: [10.1016/j.yexcr.2007.11.012](https://doi.org/10.1016/j.yexcr.2007.11.012)
  43. LATTANZI G, COLUMBARO M, MATTIOLI E, CENNI V, CAMOZZI D, WEHNERT M, SANTI S, RICCIO M, DEL COCO R, MARALDI NM, SQUARZONI S, FOISNER R, CAPANNI C (2007). Pre-Lamin A processing is linked to heterochromatin organization. *JOURNAL OF CELLULAR BIOCHEMISTRY*, vol. 102, p. 1149-1159, ISSN: 0730-2312, doi: [10.1002/jcb.21467](https://doi.org/10.1002/jcb.21467)
  44. OLIVOTTO E, VITELLOZZI R, FERNANDEZ P, FALCIERI E, BATTISTELLI M, BURATTINI S, FACCHINI A, FLAMIGNI F, SANTI S, FACCHINI A, BORZÍ RM (2007). Chondrocyte hypertrophy and apoptosis induced by GROalpha require three-dimensional interaction with the extracellular matrix and a co-receptor role of chondroitin sulfate and are associated with the mitochondrial splicing variant of cathepsin B. *JOURNAL OF CELLULAR PHYSIOLOGY*, vol. 210, p. 417-427, ISSN: 0021-9541, doi: [10.1002/jcp.20864](https://doi.org/10.1002/jcp.20864)

45. TOMASI V, GRIFFONI C, SANTI S, LENAZ P, IORIO RA, STRILLACCI A, SPISNI E (2007). Chapter 8. Assays for Membrane and Intracellular Signalling Events . In: Carolyn A Staton; Claire Lewis; Roy Bickne. *Angiogenesis Assays: A Critical Appraisal of Current Techniques*. p. 139-166, Londra:John Wiley & Sons, Ltd, ISBN: 9780470029350, doi: 10.1002/9780470029350.ch8
46. CARRARESI L, MARTINELLI R, VANNONI A, RICCIO M, DEMBIC M, TRIPODI S, CINTORINO M, SANTI S, BIGLIARDI E, CARMELLINI M, ROSSINI M (2006). Establishment and characterization of murine small cell lung carcinoma cell lines derived from HPV-16 E6/E7 transgenic mice. *CANCER LETTERS*, vol. 231, p. 65-73, ISSN: 0304-3835, doi: 10.1016/j.canlet.2005.01.027
47. CHIARANTINI L, CERASI A, MILLO E, SPARNACCI K, LAUS M, RICCIO M, SANTI S, BALLESTRI M, SPACCASASSI S, TONDELLI L (2006). Enhanced antisense effect of modified PNAs delivered through functional PMMA microspheres. *INTERNATIONAL JOURNAL OF PHARMACEUTICS*, vol. 324, p. 83-91, ISSN: 0378-5173, doi: 10.1016/j.ijpharm.2006.07.007
48. DI GIAIMO R, CALDARELLI I, CIPOLLINI E, RICCIO M, PULICE G, SANTI S, MELLI M (2006). Oligomeric structures of cystatin B. *ITALIAN JOURNAL OF BIOCHEMISTRY*, vol. 55, p. 15.06, ISSN: 0021-2938
49. DI GIAIMO R, CIPOLLINI E, RICCIO M, SANTI S, HOQUE M, DEMBIC M, P.PALMIERI, CARONE S, MELLI M (2006). Alternative function for cystatin B implicated by its interaction with proteins other than proteases. In: Vladimir N.Uversky. (a cura di): Eva Zerovnik - Natasa Kopitar Jerala Editors. Nova Science Publishers, Inc., *Human Stefins and Cystatins "Molecular Anatomy and Physiology of Proteins"*. vol. Chapter III, p. 43-59, New York: Nova Science Publishers Inc.,, ISBN: 1-60021-233-6
50. SANTI S, CAPPELLO S, RICCIO M, BERGAMI M, AICARDI G, SCHENK U, MATTEOLI M, CANOSSA M (2006). Hippocampal neurons recycle BDNF for activity-dependent secretion and LTP maintenance. *EMBO JOURNAL*, vol. 25, p. 4372-4380, ISSN: 0261-4189, doi: 10.1038/sj.emboj.7601303
51. SPISNI E, TONI M, STRILLACCI A, GALLERI G, SANTI S, GRIFFONI C, TOMASI V (2006). Caveolae and caveolae constituents in mechanosensing: effect of modeled microgravity on cultured human endothelial cells. *CELL BIOCHEMISTRY AND BIOPHYSICS*, vol. 46, p. 155-164, ISSN: 1085-9195, doi: 10.1385/CBB:46:2:155
52. TONI M, SPISNI E, GRIFFONI C, SANTI S, RICCIO M, LENAZ P, TOMASI V (2006). Cellular prion protein and caveolin-1 interaction in a neuronal cell line precedes fyn/erk 1/2 signal transduction. *JOURNAL OF BIOMEDICINE AND BIOTECHNOLOGY*, vol. 2006, p. 69469-69482, ISSN: 1110-7243, doi: 10.1155/JBB/2006/69469
53. CRISTINO S, GRASSI F, TONEGUZZI S, PIACENTINI A, GRIGOLO B, SANTI S, RICCIO M, TOGNANA E, FACCHINI A, LISIGNOLI G (2005). Analysis of mesenchymal stem cells grown on a three-dimensional HYAFF 11-based prototype ligament scaffold. *JOURNAL OF BIOMEDICAL MATERIALS RESEARCH. PART A*, vol. 73, p. 275-283, ISSN: 1549-3296, doi: 10.1002/jbm.a.30261
54. CURCI R, D'EMILIO A, BATTISTELLI M, BURATTINI S, SANTI S, FALCIERI E (2005). Mitochondria in muscle cell differentiation: a confocal microscopy analysis. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 110, p. 109, ISSN: 1122-6714
55. FERRI P, BIAGIOTTI E, AMBROGINI P, SANTI S, DEL GRANDE P, NINFALI P (2005). NADPH-consuming enzymes correlate with glucose-6-phosphate dehydrogenase in Purkinje cells: an immunohistochemical and enzyme histochemical study of the rat cerebellar cortex. *NEUROSCIENCE RESEARCH*, vol. 51, p. 185-197, ISSN: 0168-0102, doi: 10.1016/j.neures.2004.11.002
56. RICCIO M, SANTI S, DEMBIC M, DI GIAIMO R, CIPOLLINI E, COSTANTINO-CECCARINI E, AMBROSETTI D, MARALDI NM, MELLI M (2005). Cell-specific expression of the epm1 (cystatin B) gene in developing rat cerebellum. *NEUROBIOLOGY OF DISEASE*, vol. 20, p. 104-114, ISSN: 0969-9961, doi: 10.1016/j.nbd.2005.02.012
57. AICARDI G, ARGILLI E, CAPPELLO S, SANTI S, RICCIO M, THOENEN H, CANOSSA M (2004). Induction of long-term potentiation and depression is reflected by corresponding changes in secretion of endogenous brain-derived neurotrophic factor. *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*, vol. 101, p. 15788-15792, ISSN: 0027-8424, doi: 10.1073/pnas.0406960101
58. AMBROGINI P, LATTANZI D, CIUFFOLI S, AGOSTINI D, BERTINI L, STOCCHI V, SANTI S, CUPPINI R (2004). Morpho-functional characterization of neuronal cells at different stages of maturation in granule cell layer of adult rat dentate gyrus. *BRAIN RESEARCH*, vol. 1017, p. 21-31, ISSN: 0006-8993, doi: 10.1016/j.brainres.2004.05.039
59. BATTELLI MG, MUSIANI S, BUONAMICI L, SANTI S, RICCIO M, MARALDI NM, GIRBES T, STIRPE F (2004). Interaction of volkensin with HeLa cells: binding, uptake, intracellular localization, degradation and exocytosis. *CELLULAR AND MOLECULAR LIFE SCIENCES*, vol. 61, p. 1975-1984, ISSN: 1420-682X, doi: 10.1007/s00018-004-4171-3

60. CRISTINO S, TONEGUZZI S, PIACENTINI A, GRIGOLO B, CAVALLO C, SANTI S, RICCIO M, TOGNANA E, FRIZZIERO A, FACCHINI A, LISIGNOLI G (2004). Phenotype and growth analysis of mesenchymal stem cells cultured in a hyaluronic acid configured ligament scaffold. *JOURNAL OF BONE AND JOINT SURGERY*, vol. 87-B, p. 66, ISSN: 0021-9355
61. RICCIO M, DEMBIC M, CINTI C, SANTI S (2004). Multifluorescence labeling and colocalization analyses. In: GIORDANO A., ROMANO G.. *Cell Cycle Control and Dysregulation Protocols. METHODS IN MOLECULAR BIOLOGY*, vol. 285, p. 171-178, NEW JERSEY: Humana Press, ISSN: 1064-3745, doi: 10.1385/1-59259-822-6:171
62. RICCIO M, SANTI S, DEMBIC M, COSTANTINO-CECCARINI E, MELLI M, MARALDI NM (2004). Cell-specific expression of the EPM1 (cystatin B) gene in developing rat cerebellum. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 109, p. 333, ISSN: 1122-6714
63. STRAZZA M, LUDDI A, BROGI A, CARBONE M, RICCIO M, SANTI S, MELLI M, COSTANTINO-CECCARINI E (2004). Activation of cell cycle regulatory proteins in the apoptosis of terminally differentiated oligodendrocytes. *NEUROCHEMICAL RESEARCH*, vol. 29, p. 923-931, ISSN: 0364-3190, doi: 10.1023/B: NERE. 0000021236.32785.37
64. CECCHINI T, CIARONI S, FERRI P, AMBROGINI P, CUPPINI R, SANTI S, DEL GRANDE P (2003). Alpha-tocopherol, an exogenous factor of adult hippocampal neurogenesis regulation. *JOURNAL OF NEUROSCIENCE RESEARCH*, vol. 73, p. 447-455, ISSN: 0360-4012, doi: 10.1002/jnr.10690
65. CENNI V, SIRRI A, RICCIO M, LATTANZI G, SANTI S, DE POL A, MARALDI NM, MARMIROLI S (2003). Targeting of the Akt/PKB kinase to the actin skeleton. *CELLULAR AND MOLECULAR LIFE SCIENCES*, vol. 60, p. 2710-2720, ISSN: 1420-682X, doi: 10.1007/s00018-003-3349-4
66. FERRI P, CECCHINI T, CIARONI S, AMBROGINI P, CUPPINI R, SANTI S, BENEDETTI S, PAGLIARANI S, DEL GRANDE P, PAPA S (2003). Vitamin E affects cell death in adult rat dentate gyrus. *JOURNAL OF NEUROCYTOLOGY*, vol. 32, p. 1155-1164, ISSN: 0300-4864, doi: 10.1023/B: NEUR.0000021909.84327.e8
67. GRIFFONI C, TONI M, SPISNI E, BIANCO M, SANTI S, RICCIO M, TOMASI V (2003). The cellular prion protein: biochemistry, topology, and physiologic functions. *CELL BIOCHEMISTRY AND BIOPHYSICS*, vol. 38, p. 287-304, ISSN: 1085-9195, doi: 10.1385/CBB:38:3:287
68. SANTI P, SOLIMANDO L, ZINI N, SANTI S, RICCIO M, GUIDOTTI L (2003). Inositol-specific phospholipase C in low and fast proliferating hepatoma cell lines. *INTERNATIONAL JOURNAL OF ONCOLOGY*, vol. 22, p. 1147-1153, ISSN: 1019-6439
69. SANTI S, RICCIO M, CIPOLLINI E, DEMBIC M, MELLI M (2003). Confocal immunofluorescence analysis of a multiprotein complex with cystatin B in the developing. *EPILEPSIA*, vol. 44, p. 56, ISSN: 0013-9580
70. SANTI S, RICCIO M, GRIFFONI C, SPISNI E, TONI M, DEMBIC M, TOMASI V (2003). Colocalization analysis of the prion protein and caveolin 1 in confocal microscopy. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 47, p. 267, ISSN: 1121-760X
71. SPISNI E, BIANCO MC, GRIFFONI C, TONI M, D'ANGELO R, SANTI S, RICCIO M, TOMASI V (2003). Mechanosensing role of caveolae and caveolar constituents in human endothelial cells. *JOURNAL OF CELLULAR PHYSIOLOGY*, vol. 197, p. 198-204, ISSN: 0021-9541, doi: 10.1002/jcp.10344
72. TABELLINI G, BORTUL R, SANTI S, RICCIO M, BALDINI G, CAPPELLINI A, BILLI AM, BEREZNEY R, RUGGERI A, COCCO L, MARTELLI AM (2003). Diacylglycerol kinase-theta is localized in the speckle domains of the nucleus. *EXPERIMENTAL CELL RESEARCH*, vol. 287, p. 143-154, ISSN: 0014-4827, doi: 10.1016/S0014-4827(03)00115-0
73. BLASI F, CIARROCCHI A, LUDDI A, STRAZZA M, RICCIO M, SANTI S, ARCONI R, PIETROPAOLO C, D'ANGELO R, COSTANTINO-CECCARINI E, MELLI M (2002). Stage-specific gene expression in early differentiating oligodendrocytes. *GLIA*, vol. 39, p. 114-123, ISSN: 0894-1491, doi: 10.1002/glia.10092
74. CECCHINI T, FERRI P, CIARONI S, SANTI S, CECCHINI S, PAPA S (2002). Cell death during postnatal neurogenesis in young and adult control rats. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 107, p. 55, ISSN: 1122-6714
75. CIARONI S, CECCHINI T, FERRI P, CUPPINI R, AMBROGINI P, SANTI S, BENEDETTI S, DEL GRANDE P, PAPA S (2002). Neural precursor proliferation and newborn cell survival in the adult rat dentate gyrus are affected by vitamin E deficiency. *NEUROSCIENCE RESEARCH*, vol. 44, p. 369-377, ISSN: 0168-0102, doi: 10.1016/S0168-0102(02)00157-8
76. DI GIAIMO R, RICCIO M, SANTI S, GALEOTTI C, AMBROSETTI DC, MELLI M (2002). New insights into the molecular basis of progressive myoclonus epilepsy: a multiprotein complex with cystatin B. *HUMAN MOLECULAR GENETICS*, vol. 11, p. 2941-2950, ISSN: 0964-6906, doi: 10.1093/hmg/11.23.2941

77. SANTI P, SOLIMANDO L, SANTI S, RICCIO M, ZINI N (2002). Nuclear localization of PLC-delta 4 in fast proliferating Morris hepatoma cell line. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 107, p. 240, ISSN: 1122-6714
78. SANTI S, BIANCO MC, BLASI F, SPISNI E, RICCIO M, TONI M, GRIFFONI C, TOMASI V (2002). Hypergravity affects cell cycle progression and caveolin-1 expression of in vitro cultured human primary endothelial cells. In: European Space Agency, (Special Publication) ESA SP. Proceedings of the European Symposium on Life in Space for Life on Earth. vol. 501, Noordwijk: European Space Agency ESA Publications Division, ISBN: 92-9092-811-5, Stoccolma, 2-7 Giugno 2002
79. SANTI S, BIANCO MC, BLASI F, SPISNI E, RICCIO M, TONI M, GRIFFONI C, TOMASI V (2002). Hypergravity affects cell cycle progression and caveolin-1 expression of in vitro cultured human primary endothelial cells. *JOURNAL OF GRAVITATIONAL PHYSIOLOGY*, vol. 9, p. 283-284, ISSN: 1077-9248
80. SPISNI E, BIANCO MC, BLASI F, SANTI S, RICCIO M, TONI M, GRIFFONI C, TOMASI V (2002). Hypergravity impairs angiogenic response of in vitro cultured human primary endothelial cells. *JOURNAL OF GRAVITATIONAL PHYSIOLOGY*, vol. 9, p. 285-286, ISSN: 1077-9248
81. SPISNI E, BIANCO MC, BLASI F, SANTI S, RICCIO M, TONI M, GRIFFONI C, TOMASI V (2002). Hypergravity impairs angiogenic response of in vitro cultured human primary endothelial cells. In: European Space Agency, (Special Publication) ESA SP. Proceedings of the European Symposium on Life in Space for Life on Earth. vol. 501, p. 327-328, NOORDWIJK: European Space Agency Publications, ISBN: 92-9092-811-5, Stoccolma, 2-7 Giugno 2002
82. GRIFFONI C, LAKTIONOV PP, RYKOVA EY, SPISNI E, RICCIO M, SANTI S, BRYKSIN A, VOLODKO N, KRAFT R, VLASSOV V, TOMASI V (2001). The Rossmann fold of glyceraldehyde-3-phosphate dehydrogenase (GAPDH) is a nuclear docking site for antisense oligonucleotides containing a TAAAT motif. *BIOCHIMICA ET BIOPHYSICA ACTA*, vol. 1530, p. 32-46, ISSN: 0006-3002, doi: 10.1016/S1388-1981(00)00166-9
83. RICCIO M, DI GIAIMO R, PIANETTI S, PALMIERI PP, MELLI M, SANTI S (2001). Nuclear localization of cystatin B, the cathepsin inhibitor implicated in myoclonus epilepsy (EPM1). *EXPERIMENTAL CELL RESEARCH*, vol. 262, p. 84-94, ISSN: 0014-4827, doi: 10.1006/excr.2000.5085
84. SANTI P, ZINI N, SANTI S, RICCIO M, GUILIANI PICCARI G, DE POL A, MARALDI NM (2001). Increased activity and nuclear localisation of inositol lipid signal transduction enzymes in rat hepatoma cells. *INTERNATIONAL JOURNAL OF ONCOLOGY*, vol. 18, p. 165-174, ISSN: 1019-6439, doi: 10.3892/ijo.18.1.165
85. SANTI S, RICCIO M, DI GIAIMO R, PIANETTI S, MELLI M (2001). Nuclear localization of cystatin B, a molecule missing in myoclonus epilepsy (EPM1). *EPILEPSIA*, vol. 42, p. 130, ISSN: 0013-9580
86. SOLIMANDO L, SANTI S, RICCIO M, ZAMAI L, OGNIBENE A, MARIANI AR, SANTI P (2001). Localization of inositol lipid specific PLCs in low and fast proliferating hepatoma cell lines. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 106, p. 248, ISSN: 1122-6714
87. SPISNI E, GRIFFONI C, SANTI S, RICCIO M, MARULLI R, BARTOLINI G, TONI M, ULLRICH V, TOMASI V (2001). Colocalization prostacyclin (PGI2) synthase--caveolin-1 in endothelial cells and new roles for PGI2 in angiogenesis. *EXPERIMENTAL CELL RESEARCH*, vol. 266, p. 31-43, ISSN: 0014-4827, doi: 10.1006/excr.2001.5198
88. SPISNI E, GRIFFONI C, SANTI S, RICCIO M, MARULLI R, TOMASI V (2001). Co-localization of prostacyclin (PGI2)-synthase and caveolin-1 in endothelial cells underscores new roles of PGI2 in angiogenesis. In: B.Samuelsson, R.Paoletti, G.C.Folco, E.Granstrom and S. Nikosia. . (a cura di): Kluwer Academic Publisher, Netherland., *Advances in Prostaglandin and Leukotriene Research. Basic Science and New Clinical Application.* p. 139-142, DORDRECHT: Springer, ISBN: 1-4020-0146-0
89. FALCIERI E, LUCHETTI F, BURATTINI S, CANONICO B, SANTI S, PAPA S (2000). Lineage-related sensitivity to apoptosis in human tumor cells undergoing hyperthermia. *HISTOCHEMISTRY AND CELL BIOLOGY*, vol. 113, p. 135-144, ISSN: 0948-6143, doi: 10.1007/s004180050016
90. GRIFFONI C, SPISNI E, SANTI S, RICCIO M, GUARNIERI T, TOMASI V (2000). Knockdown of caveolin-1 by antisense oligonucleotides impairs angiogenesis in vitro and in vivo. *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*, vol. 276, p. 756-761, ISSN: 0006-291X, doi: 10.1006/bbrc.2000.3484
91. GRIFFONI C, SPISNI E, SANTI S, RICCIO M, GUARNIERI T, TOMASI V (2000). Knockdown of caveolin-1 by antisense oligonucleotides impairs angiogenesis in vitro and in vivo. *BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS*, vol. 279, p. 305, ISSN: 0006-291X, doi: 10.1006/bbrc.2000.3887
92. GRIFFONI C, SPISNI E, SANTI S, RICCIO M, TOMASI V (2000). Knock-down of caveolin-1 by antisense oligonucleotides impairs angiogenesis in vitro. *TUMORI*, vol. 86, p. 12, ISSN: 0300-8916

93. LATTANZI G, OGNIBENE A, SABATELLI P, CAPANNI C, TONIOLO D, COLUMBARO M, SANTI S, RICCIO M, MERLINI L, MARALDI NM, SQUARZONI S (2000). Emerin expression at the early stages of myogenic differentiation. *DIFFERENTIATION*, vol. 66, p. 208-217, ISSN: 0301-4681, doi: 10.1046/j.1432-0436.2000.660407.x
94. MARALDI NM, ZINI N, SANTI S, MANZOLI FA (2000). Intranuclear domains involved in inositol lipid signal transduction. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 44, p. 81-87, ISSN: 1121-760X
95. MARALDI NM, ZINI N, SANTI S, RICCIO M, FALCONI M, CAPITANI S, MANZOLI FA (2000). Nuclear domains involved in inositol lipid signal transductionmaltese cross. *ADVANCES IN ENZYME REGULATION*, vol. 40, p. 219-253, ISSN: 0065-2571, doi: 10.1016/S0065-2571(99)00032-1
96. MARTELLI AM, TAZZARI PL, BORTUL R, RICCIO M, TABELLINI G, SANTI S, FRABETTI F, MUSIANI D, BAREGGI R, CONTE R (2000). Nuclear matrix protein is released from apoptotic white cells during cold (1-6 degrees C) storage of concentrated red cell units and might induce antibody response in multiply transfused patients. *TRANSFUSION*, vol. 40, p. 169-177, ISSN: 0041-1132, doi: 10.1046/j.1537-2995.2000.40020169.x
97. ZINI N, SANTI S, RICCIO M, LANDINI MP, BATTISTA MC, MARALDI NM (2000). pUL25 immunolocalization in human cytomegalovirus-infected and gene-transfected cells. *ARCHIVES OF VIROLOGY*, vol. 145, p. 795-803, ISSN: 0304-8608, doi: 10.1007/s007050050672
98. BAVELLONI A, SANTI S, SIRRI A, RICCIO M, FAENZA I, ZINI N, CECCHI S, FERRI A, AURON P, MARALDI NM, MARMIROLI S (1999). Phosphatidylinositol 3-kinase translocation to the nucleus is induced by interleukin 1 and prevented by mutation of interleukin 1 receptor in human osteosarcoma Saos-2 cells. *JOURNAL OF CELL SCIENCE*, vol. 112, p. 631-640, ISSN: 0021-9533
99. BLASI F, RICCIO M, BROGI A, STRAZZA M, TADDEI ML, ROMAGNOLI S, LUDDI A, D'ANGELO R, SANTI S, COSTANTINO-CECCARINI E, MELLI M (1999). Constitutive expression of interleukin-1beta (IL-1beta) in rat oligodendrocytes. *BIOLOGICAL CHEMISTRY*, vol. 380, p. 259-264, ISSN: 1431-6730, doi: 10.1515/BC.1999.034
100. GRIFFONI C, SPISNI E, ORLANDI M, SANTI S, RICCIO M, TOMASI V (1999). A 38 kDa nuclear protein is involved in the retention of an antisense oligonucleotide directed against cytosolic phospholipase A2. *NUCLEOSIDES & NUCLEOTIDES*, vol. 18, p. 1673-1676, ISSN: 0732-8311, doi: 10.1080/07328319908044819
101. MARALDI NM, CAPITANI S, CINTI C, NERI LM, SANTI S, SQUARZONI S, STUPPIA L, MANZOLI FA (1999). Chromosome spread for confocal microscopy. In: *Methods in enzymology. METHODS IN ENZYMOLOGY*, vol. 307, p. 190-207, Academic Press, ISSN: 0076-6879, doi: 10.1016/S0076-6879(99)07014-7
102. MARALDI NM, ZINI N, SANTI S, MANZOLI FA (1999). Topology of inositol lipid signal transduction in the nucleus. *JOURNAL OF CELLULAR PHYSIOLOGY*, vol. 181, p. 203-217, ISSN: 0021-9541, doi: 10.1002/(SICI)1097-4652(199911)181:2<203: AID-JCP3>3.0.CO;2-O
103. MARALDI NM, ZINI N, SANTI S, SCOTLANDI K, SERRA M, BALDINI N (1999). P-glycoprotein subcellular localization and cell morphotype in MDR1 gene-transfected human osteosarcoma cells. *BIOLOGY OF THE CELL*, vol. 91, p. 17-28, ISSN: 0248-4900, doi: 10.1016/S0248-4900(99)80027-6
104. MARINELLI F, BERSANI F, SANTI S, RICCIO M, PETRINI S, VALMORI A, MARALDI NM (1999). Intramembrane proteins clustering induced by 50 Hz pulsed magnetic fields is reverted to a random distribution in the absence of the field exposure. In: BERSANI F. *Electricity and Magnetism in Biology and Medicine*. p. 573-576, DORDRECHT: Kluwer Academic Publishers Group, ISBN: 0306460416
105. MENEGHETTI A, MARIANI E, SANTI S, RICCIO M, CATTINI L, PAOLETTI S, FACCHINI A (1999). NK binding capacity and lytic activity depend on the expression of ICAM-1 on target bone tumours. *INTERNATIONAL JOURNAL OF ONCOLOGY*, vol. 15, p. 909-914, ISSN: 1019-6439
106. OGNIBENE A, SABATELLI P, PETRINI S, SQUARZONI S, RICCIO M, SANTI S, VILLANOVA M, PALMERI S, MERLINI L, MARALDI NM (1999). Nuclear changes in a case of X-linked Emery-Dreifuss muscular dystrophy. *MUSCLE & NERVE*, vol. 22, p. 864-869, ISSN: 0148-639X, doi: 10.1002/(SICI)1097-4598(199907)22:7<864: AID-MUS8>3.0.CO;2-G
107. ZINI N, BATTISTA MC, SANTI S, RICCIO M, BERGAMINI G, LANDINI MP, MARALDI NM (1999). The novel structural protein of human cytomegalovirus, pUL25, is localized in the viral tegument. *JOURNAL OF VIROLOGY*, vol. 73, p. 6073-6075, ISSN: 0022-538X
108. COLUMBARO M, GOBBI P, RENÒ F, LUCHETTI F, SANTI S, FALCIERI E (1998). Different technical approaches to the study of apoptotic micronuclei. *SCANNING*, vol. 20, p. 248-249, ISSN: 0161-0457
109. COLUMBARO M, GOBBI P, RENÒ F, LUCHETTI F, SANTI S, VALMORI A, FALCIERI E (1998). A multiple technical approach to the study of apoptotic cell micronuclei. *SCANNING*, vol. 20, p. 541-548 , ISSN: 0161-0457

110. FUNARO A, REINIS M, TRUBIANI O, SANTI S, DI PRIMIO R, MALAVASI F (1998). CD38 functions are regulated through an internalization step. *JOURNAL OF IMMUNOLOGY*, vol. 60, p. 2238-2247, ISSN: 0022-1767
111. MARALDI NM, ZINI N, SANTI S, OGNIBENE A, RIZZOLI R, MAZZOTTI G, MANZOLI FA (1998). Cytochemistry of the functional domains of the nucleus in normal and in pathologic conditions. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 42, p. 41-53, ISSN: 1121-760X
112. MARINELLI F, SANTORO R, SANTI S, RICCIO M, VALMORI A, MARALDI NM (1998). Fractal analysis of chromatin in hepatoma nuclear domain. In: (a cura di): Francesca Marsella Guindani, Gianfausto Salvadori, *Chaos Fractals Models*. p. 418-422, Paperback, ISBN: 8882580024
113. RENÒ F, BURATTINI S, ROSSI S, LUCHETTI F, COLUMBARO M, SANTI S, PAPA S, FALCIERI E (1998). Phospholipid rearrangement of apoptotic membrane does not depend on nuclear activity. *HISTOCHEMISTRY AND CELL BIOLOGY*, vol. 110, p. 467-476, ISSN: 0948-6143, doi: 10.1007/s004180050308
114. RICCIO M, TELÒ T, GIORGI PP, PIRAZZINI M, SANTI S, DI GRANDE F (1998). Nuclear labelling in primordial germ cells of *Rana dalmatina* embryos by Dolichos biflorus agglutinin. *THE ITALIAN JOURNAL OF ZOOLOGY*, vol. 65, p. 241-248, ISSN: 1125-0003
115. TAIT D, RICCIO M, SITTLER A, SCHERZINGER E, SANTI S, OGNIBENE A, MARALDI NM, LEHRACH H, WANKER EE (1998). Ataxin-3 is transported into the nucleus and associates with the nuclear matrix. *HUMAN MOLECULAR GENETICS*, vol. 7, p. 991-997, ISSN: 0964-6906, doi: 10.1093/hmg/7.6.991
116. TOMASI V, GRIFFONI C, SPISNI E, SANTI S (1998). Antisense phosphorothioate oligonucleotides (APO) inhibiting caveolin-1 synthesis to be used as antiangiogenic drugs. *NATURE BIOTECHNOLOGY*, vol. 16, p. 45, ISSN: 1087-0156, doi: 10.1038/4284
117. TOMASI V, SPISNI E, GRIFFONI C, SANTI S (1998). Nuclear targeting of antisense oligonucleotides: Modification of PRE- mRNA splicing or inhibition of polyadenylation? *NUCLEOSIDES & NUCLEOTIDES*, vol. 17, p. 2073-2080, ISSN: 0732-8311, doi: 10.1080/07328319808004748
118. BERSANI F, MARINELLI F, OGNIBENE A, MATTEUCCI A, CECCHI S, SANTI S, SQUARZONI S, MARALDI NM. (1997). Intramembrane protein distribution in cell cultures is affected by 50 Hz pulsed magnetic fields. *BIOELECTROMAGNETICS*, vol. 18, p. 463-469, ISSN: 0197-8462, doi: 10.1002/(SICI)1521-186X(1997)18:7<463: AID-BEM1>3.0.CO;2-0
119. COSTA A, VILLA R, ZAFFARONI N, SANTI S, SILVESTRINI R (1997). Taxol induces apoptosis in various cancer cell lines: comparison among different methodological approaches. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 41, p. 69-70, ISSN: 1121-760X
120. FALCIERI E, COLUMBARO M, SANTI S, RENO F, LUCHETTI F (1997). Apoptosis and cancer: A multidisciplinary study on different experimental models. *CELL PROLIFERATION*, vol. 30, p. 484, ISSN: 0960-7722
121. NERI LM, CINTI C, SANTI S, MARCHISIO M, CAPITANI S, MARALDI NM. (1997). Enhanced resolution of specific chromosome and nuclear regions by reflectance laser scanning confocal microscopy. *HISTOCHEMISTRY AND CELL BIOLOGY*, vol. 107, p. 97-104, ISSN: 0948-6143, doi: 10.1007/s004180050093
122. RENO F, SANTI S, ROSSI S, BURATTINI S, PAPA S, FALCIERI E (1997). Confocal laser scanning of apoptotic cell membrane changes. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 41, p. 55, ISSN: 1121-760X
123. SANTI S, ZINI N, RUBBINI S, SANTI P (1997). Subcellular localization of PLC-isoforms in MH1C1 Morris hepatoma cells. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 41, p. 57, ISSN: 1121-760X
124. TOMASI V, SPISNI E, GRIFFONI C, BARTOLINI G, ORLANDI M, SANTI S (1997). Is nuclear targeting of antisense stabilized oligonucleotides dependent on pre-mRNA stability? *MOLECULAR BIOLOGY OF THE CELL*, vol. 8, p. 2529, ISSN: 1059-1524
125. VITALE M, ZAMAI L, FALCIERI E, ZAULI G, GOBBI P, SANTI S, CINTI C, WEBER G (1997). IMP dehydrogenase inhibitor, tiazofurin, induces apoptosis in K562 human erythroleukemia cells. *CYTOMETRY*, vol. 30, p. 61-66, ISSN: 0196-4763, doi: 10.1002/(SICI)1097-0320(19970215)30:1<61: AID-CYTO9>3.0.CO;2-I
126. BEARZATTO A, SAINO A, ZAFFARONI N, COSTA C, SANTI S (1996). Nimodipine as a modulator of resistance to doxorubicin in human colon-adenocarcinoma cells: A comparative study with verapamil. *INTERNATIONAL JOURNAL OF ONCOLOGY*, vol. 9, p. 57-63, ISSN: 1019-6439
127. BORZÌ RM, PIACENTINI A, MONACO MCG, LISIGNOLI G, DEGRASSI A, CATTINI L, SANTI S, FACCHINI A (1996). A fluorescent in situ hybridization methods in flow cytometry to detect HIV-1 specific RNA. *JOURNAL OF IMMUNOLOGICAL METHODS*, vol. 193, p. 167-176, ISSN: 0022-1759, doi: 10.1016/0022-1759(96)00070-1



128. MARALDI NM, ZINI N, SABATELLI P, SANTI S (1996). Polyphosphoinositide signal transduction topography in the nucleus. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 101, p. 41, ISSN: 1122-6714
129. NERI LM, SANTI S, CINTI C, SABATELLI P, VALMORI A, CAPANNI C, CAPITANI S, STUPPIA L, MARALDI NM (1996). Multiple fluorescence and reflectance simultaneous detection by confocal microscopy of HaeIII digested DNA sequences. *EUROPEAN JOURNAL OF CELL BIOLOGY*, vol. 71, p. 120-128, ISSN: 0171-9335
130. PIACENTINI A, BORZI RM, MAZZETTI I, LISIGNOLI S, TONEGUZZI S, SANTI S, FACCHINI A (1996). HIV-1 gag RNA as determined by flow cytometry fluorescent in situ RT-PCR. *CYTOMETRY SUPPLEMENT*, vol. Supplement 8, p. 93, ISSN: 1046-7386
131. ZAMAI L, FALCIERI E, GOBBI P, SANTI S, FALCONI M, MARHEFKA G, VITALE M (1996). Anti-BrdUrd labeling of newly synthesized DNA in HL-60 cells triggered to apoptosis. *CYTOMETRY*, vol. 25, p. 324-332, ISSN: 0196-4763, doi: 10.1002/(SICI)1097-0320(19961201)25:4<324:AID-CYTO3>3.0.CO;2-D
132. ZINI N, OGNIBENE A, BAVELLONI A, SANTI S, SABATELLI P, BALDINI N, SCOTLANDI K, SERRA M, MARALDI NM (1996). Cytoplasmic and nuclear localization sites of phosphatidylinositol 3-kinase in human osteosarcoma sensitive and multidrug-resistant Saos-2 cells. *HISTOCHEMISTRY AND CELL BIOLOGY*, vol. 106, p. 457-464, ISSN: 0948-6143, doi: 10.1007/BF02473307
133. BALDINI N, SCOTLANDI K, SERRA M, SHIKITA T, ZINI N, OGNIBENE A, SANTI S, FERRACINI R, MARALDI NM (1995). Nuclear immunolocalization of P-glycoprotein in multidrug-resistant cell lines showing similar mechanisms of doxorubicin distribution. *EUROPEAN JOURNAL OF CELL BIOLOGY*, vol. 68, p. 226-239, ISSN: 0171-9335
134. BAVELLONI A, OGNIBENE A, FAENZA I, SANTI S, CECCHI S, MARALDI NM, MARMIROLI S (1995). PI 3-kinase activity in human osteosarcoma cells. *ITALIAN JOURNAL OF BIOCHEMISTRY*, vol. 44, p. 226A-228A, ISSN: 0021-2938
135. BORZI RM, PIACENTINI A, CATTINI L, LISIGNOLI G, MONACO MCG, SANTI S, FACCHINI A (1995). Fluorescent in-situ hybridization in flow-cytometry (FISH in flow) - Potential applications in the study of HIV-infection. *MINERVA BIOTECNOLOGICA*, vol. 7, p. 221-227, ISSN: 1120-4826
136. CINTI C, SANTI S, COSTA A, CAPANNI C, MARALDI NM (1995). Time-course of apoptosis by insitu nick translation in adherent tumor cell lines. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 100, p. 219, ISSN: 1122-6714
137. CINTI C, SANTI S, MARIANI AR, COLUMBARO M, VITALE M, FALCIERI E (1995). Different pattern of DNA cleavage in Molt-4 apoptotic cells. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 39, p. 48, ISSN: 1121-760X
138. CINTI C, SANTI S, VALMORI A, NERI LM (1995). Triple CLSM signal to visualize two fluorophores and gold on restriction enzyme digested chromosomes. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 39, p. 83, ISSN: 1121-760X
139. GRILL V, MARTELLI AM, BAREGGI R, SANTI S, BASA M, ZWEYER M, COCCO L, NARDUCCI P (1995). Protein kinase C isoenzymes in mouse harderian gland. Differential expression of the  $\alpha$ - and  $\epsilon$ -isoforms during pregnancy. *Protein kinase C-OC*. *HISTOCHEMISTRY AND CELL BIOLOGY*, vol. 103, p. 255-262, ISSN: 0948-6143, doi: 10.1007/BF01457409
140. MARMIROLI S, BAVELLONI A, FAENZA I, SOOD R, SANTI S, CECCHI S, MARALDI NM, OGNIBENE A (1995). Interleukin 1 $\alpha$  and Tumor Necrosis Factor- $\alpha$  modulate the nuclear phosphoinositide signalling system. In: (a cura di): L.Packer, K. Wirtz, Signalling Mechanisms - from Transcription Factor to Oxidative Stress. NATO ASI series. Series H, Cell biology. vol. H92, p. 445-452, BERLIN: Springer, ISBN: 9783540591276
141. MAZZOTTI G, ZINI N, RIZZI E, RIZZOLI R, GALANZI A, OGNIBENE A, SANTI S, MATTEUCCI A, MARTELLI AM, MARALDI NM (1995). Immunocytochemical detection of phosphatidylinositol 4,5-bisphosphate localization sites within the nucleus. *JOURNAL OF HISTOCHEMISTRY & CYTOCHEMISTRY*, vol. 43, p. 181-191, ISSN: 0022-1554
142. NERI LM, SANTI S, CINTI C, CAPITANI S, MARALDI NM (1995). Chromosome HAEIII digested sequences detected by triple confocal signal. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 39, p. 73, ISSN: 1121-760X
143. SANTI S, MARALDI NM (1995). Microscopia confocale: una visione introduttiva. In: (a cura di): R.Giardino, GNOSEIS Organo ufficiale della Fondazione Aloisi-Pertini. vol. 2, p. 18-25, Casa Editrice Conti, Bologna
144. SANTI S, RUBBINI S, CINTI C, SQUARZONI S, MATTEUCCI A, CARAMELLI E, GUIDOTTI L, MARALDI NM (1995). Ultrastructural organization of the sperm nuclear matrix. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 100, p. 39-46, ISSN: 1122-6714

145. SPISNI E, BARTOLINI G, ORLANDI M, BELLETTI B, SANTI S, TOMASI V (1995). Prostacyclin (PGI<sub>2</sub>) synthase is a constitutively expressed enzyme in human endothelial cells. *EXPERIMENTAL CELL RESEARCH*, vol. 219, p. 507-513, ISSN: 0014-4827, doi: 10.1006/excr.1995.1259
146. STUPPIA L, CINTI C, SANTI S, PEILA R, CALABRESE G, PALKA G, MARALDI NM, SUMNER AT (1995). Comparison of methods for the detection of in situ restriction enzyme-nick translation using fluorochromes and confocal microscopy. *GENOME*, vol. 38, p. 1032-1036, ISSN: 0831-2796, doi: 10.1139/g95-136
147. ZINI N, MARTELLI AM, NERI LM, BAVELLONI A, SABATELLI P, SANTI S, MARARDI NM (1995). Immunocytochemical evaluation of protein kinase C translocation to the inner nuclear matrix in 3T3 mouse fibroblasts after IGF-I treatment. *HISTOCHEMISTRY AND CELL BIOLOGY*, vol. 103, p. 447-457, ISSN: 0948-6143, doi: 10.1007/BF01457544
148. BORZI RM, PIACENTINI A, MONACO MCG, LISIGNOLI G, CATTINI L, DEGRASSI A, SANTI S, FACCHINI A (1994). HIV-1 RNA expression as determined by flow cytometry fluorescent in situ hybridization. *CYTOMETRY SUPPLEMENT*, vol. Supplement 7, p. 19, ISSN: 1046-7386
149. CINTI C, SQUARZONI S, SANTI S, STUPPIA L, PEILA R, CAPANNI C, FAENZA I, CECCHI S, MARALDI NM (1994). La tecnica PRINS come metodo alternativo alla FISH per la localizzazione del gene SRY. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 99, p. 249, ISSN: 1122-6714
150. FALCIERI E, ZAMAI L, SANTI S, CINTI C, GOBBI P, BOSCO D, CATALDI A, BETTS C, VITALE M (1994). The behavior of nuclear domains in the course of apoptosis. *HISTOCHEMISTRY*, vol. 102, p. 221-231, ISSN: 0301-5564
151. NERI LM, SANTI S, MARUGG RA, RIEDERER BM, CAPITANI S, CATALDI A, MARTELLI AM (1994). In vitro heat exposure induces a redistribution of nuclear matrix proteins in human K562 erythroleukemia cells. *EXPERIMENTAL CELL RESEARCH*, vol. 213, p. 275-285, ISSN: 0014-4827, doi: 10.1006/excr.1994.1199
152. OGNIBENE A, MARMIROLI S, BAVELLONI A, ZINI N, SANTI S, FAENZA I, MALTARELLO MC, MARALDI NM (1994). Interleukin-1alpha activates nuclear phosphoinositidase C in human osteosarcoma SaOS-2 cells. *BONE AND MINERAL*, vol. 25, p. S21, ISSN: 0169-6009
153. SANTI S, CINTI C, STUPPIA L, ZINI N, MARINELLI F, MARALDI NM (1994). In situ Nick Translation revealed by colloidal gold in CLSM. In: (a cura di): Jouffrey, B; Colliex, C, *ELECTRON MICROSCOPY 1994, APPLICATIONS IN BIOLOGICAL SCIENCES*. vol. 3A, 3B, p. 787-788, LES ULIS: Les Editions de Physique, ISBN: 2-86883-228-8
154. SANTI S, RUBBINI S, CINTI C, SQUARZONI S, MATTEUCCI A, CARAMELLI E, GUIDOTTI L, MARALDI NM (1994). Nuclear matrix involvement in sperm head structural organization. *BIOLOGY OF THE CELL*, vol. 81, p. 47-57, ISSN: 0248-4900, doi: 10.1016/0248-4900(94)90054-X
155. SANTI S, RUBBINI S, CINTI C, SQUARZONI S, MATTEUCCI A, CARAMELLI E, GUIDOTTI L, MARALDI NM (1994). Ruolo della matrice nucleare nell'organizzazione strutturale della cromatina nei nuclei di spermatozoo di ratto. *ITALIAN JOURNAL OF ANATOMY AND EMBRYOLOGY*, vol. 99, p. 210, ISSN: 1122-6714
156. SQUARZONI S, CINTI C, SANTI S, VALMORI A, MARALDI NM (1994). Preparation of chromosome spreads for electron (TEM, SEM, STEM), light and confocal microscopy. *CHROMOSOMA*, vol. 103, p. 381-392, ISSN: 0009-5915, doi: 10.1007/BF00362282
157. SQUARZONI S, CINTI C, SANTI S, VALMORI A, MARALDI NM (1994). Preparation of metaphase chromosomes for contemporary light and electron microscopy observation. In: (a cura di): Jouffrey, B; Colliex, C, *ELECTRON MICROSCOPY 1994 APPLICATIONS IN BIOLOGICAL SCIENCES*. vol. 3A, 3B, p. 463-464, LES ULIS: Les Editions de Physique, ISBN: 2-86883-228-8
158. ZINI N., SANTI S, OGNIBENE A, BAVELLONI A, NERI LM, VALMORI A, MARIANI E, NEGRI C, ASTALDI-RICOTTI GCB, MARALDI NM (1994). Discrete localization of different DNA topoisomerases in HeLa and K562 cell nuclei and subnuclear fractions. *EXPERIMENTAL CELL RESEARCH*, vol. 210, p. 336-348, ISSN: 0014-4827, doi: 10.1006/excr.1994.1046
159. CINTI C, SANTI S, MARALDI NM (1993). Localization of single copy gene by PRINS technique. *NUCLEIC ACIDS RESEARCH*, vol. 21, p. 5799-5800, ISSN: 0305-1048
160. CINTI C, STUPPIA L, SANTI S, PEILA R, SQUARZONI S, DEL COCO G, VALMORI A, PALKA G, MARALDI NM (1993). Different detection methods for "in situ" restriction enzyme/nick translation: a comparative study. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 37, p. 21, ISSN: 1121-760X
161. MARALDI NM, SANTI S, ZINI N, OGNIBENE A, RIZZOLI R, MAZZOTTI G, DI PRIMIO R, BAREGGI R, BERTAGNOLO V, PAGLIARINI C, CAPITANI S (1993). Decrease in nuclear phospholipids associated with DNA replication. *JOURNAL OF CELL SCIENCE*, vol. 104, p. 853-859, ISSN: 0021-9533

162. MARALDI NM, ZINI N, SANTI S, BAVELLONI A, VALMORI A, MARMIROLI S, OGNIBENE A (1993). Phosphoinositidase C isozymes in SaOS-2 cells: Immunocytochemical detection in nuclear and cytoplasmic compartments. *BIOLOGY OF THE CELL*, vol. 79, p. 243-250, ISSN: 0248-4900
163. MARIANI E, SGOBBI S, CATTINI L, PIACENTINI A, SANTI S, FACCHINI A (1993). Distribution of perforin in the cytolytic cells of the elderly patient. In: *SOC ITALIANA IMMUNOL & IMMUNOPATOL. IMMUNOLOGY* 94. p. 1353-1357, ISBN: 88-323-1212-3
164. OGNIBENA A, ZINI N, MARMIROLI S, BAVELLONI A, SANTI S, MALTARELLO MC, BALDINI N, MARALDI NM (1993). Subcellular distribution of phosphoinositidases C beta and gamma in Saos-2 human osteosarcoma cells. *EUROPEAN JOURNAL OF HISTOCHEMISTRY*, vol. 37, p. 50, ISSN: 1121-760X
165. FALCIERI E, GOBBI P, SABATELLI P, SANTI S, FARABEGOLI F., RANA R., CATALDI A, MARALDI NM, MARTELLI AM (1992). A combined ultrastructural approach to the study of nuclear matrix thermal stabilization. *HISTOCHEMISTRY*, vol. 98, p. 121-129, ISSN: 0301-5564
166. LALLI E, GIBELLINI D, SANTI S, FACCHINI A (1992). In situ hybridization in suspension and flow cytometry as a tool for the study of gene expression. *ANALYTICAL BIOCHEMISTRY*, vol. 207, p. 298-303, ISSN: 0003-2697
167. MARINELLI F, BERSANI F, OGNIBENE A, MATTEUCCI A, SANTI S, MARALDI NM (1992). Effect of the extremely low-frequency (ELF) magnetic-fields on cell-membrane. In: (a cura di): Morucci, JP; Plonsey, R; Coatrieux, JL; Laxminarayan, S, *PROCEEDINGS OF THE ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY*, VOL 14, PTS 1-7. vol. 14, p. 309-311, NEW YORK: I E E E, ISBN: 0-7803-0785-2
168. MAZZOTTI G, LATTANZI G, FALCONI M, SANTI S, RIZZI E, MARALDI NM (1992). In situ hybridization of human chromosomes centrifuged on glass-slides. *HISTOCHEMICAL JOURNAL*, vol. 24, p. 558, ISSN: 0018-2214
169. STUPPIA L, CINTI C, PEILA R, CALABRESE G, GUANCIALI FRANCHI P, DE LUCIA G, SANTI S, DEL COCO G, PALKA G, MARALDI NM (1992). Studio comparativo di diverse metodiche di detection nella nick-translation "in situ" su cromosomi umani. *PATHOLOGICA*, vol. 85, p. 91-92, ISSN: 0031-2983
170. ZINI N, MARTELLI AM, SABATELLI P, SANTI S, NEGRI C, RICOTTI GCBA, MARALDI NM (1992). The 180-kDa isoform of topoisomerase II is localized in the nucleolus and belongs to the structural elements of the nucleolar remnant. *EXPERIMENTAL CELL RESEARCH*, vol. 200, p. 460- 466, ISSN: 0014-4827
171. FALCIERI E, SANTI S, SANTI P, SQUARZONI S, ZINI N, GALLIANI I, MARINELLI F (1991). Cytochemical localization of nuclear phospholipids in rat liver development and regeneration. *EUROPEAN JOURNAL OF BASIC AND APPLIED HISTOCHEMISTRY*, vol. 35, p. 41, ISSN: 1121-4201
172. MARALDI NM, MARINELLI F, SQUARZONI S, SANTI S, BARBIERI M (1991). Image analysis techniques. The problem of the quantitative evaluation of the chromatin ultrastructure. *CYTOTECHNOLOGY*, vol. 5, p. 107-110, ISSN: 0920-9069, doi: 10.1007/BF00736824
173. SANTI S, SANTI P, SABATELLI P, GALLIANI I, VALMORI A, FALCIERI E (1991). Morphometric analysis in newborn rat hepatocytes. *EUROPEAN JOURNAL OF BASIC AND APPLIED HISTOCHEMISTRY*, vol. 35, p. 80, ISSN: 1121-4201