

# CURRICULUM VITAE

Paola Lanuti

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## PERSONAL INFORMATION

Born: October 29<sup>th</sup>, 1978 (Chieti, Italy)

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## EDUCATION AND QUALIFICATIONS

- 1998-2003: Degree in Pharmacy, University “G.d’Annunzio” Chieti-Pescara, Italy.  
2003-2004: Master degree in “Clinical Flow Cytometry”, University “Carlo Bo”, Urbino, Italy.  
2004-2005: Research Training, Biomorfology Department, University “G.d’Annunzio” Chieti-Pescara, Italy.  
2005-2008: Europaeus PhD (Doctor Europaeus) in “Biomedical and Cytomorphology Sciences”, Biomorfology Department, University “G.d’Annunzio” Chieti-Pescara, Italy.  
2007-2008: Research Training in polychromatic flow cytometry, Brighton and Sussex Clinical Investigation and Rsearch Unit, Birghton and Sussex Medical School, University of Brighton and Sussex, Brighton, UK.  
2017: Achievement of the “**EUROPEAN CERTIFICATE FOR CYTOMETRY OPERATORS**”, University “Carlo Bo”, Urbino, Italy (<https://escca.eu/education/escca-certified-cytometrists>).

## EMPLOYMENT AND ACADEMIC RANKS

- 2003-2005: Fellowship, Biomorphology Department, University “G.d’Annunzio” Chieti-Pescara, Italy.  
2005-2008: PhD student, Biomorphology Department, University “G.d’Annunzio” Chieti-Pescara, Italy.  
2009-2011: Postdoctoral fellow, Biomorphology Department, University “G.d’Annunzio” Chieti-Pescara, Italy.  
2012-2019: Assistant Professor of Human Anatomy, Department of Medicine and Aging Sciences, University “G.d’Annunzio” Chieti-Pescara, Italy.  
2020-**Current Position**: Associate Professor of Human Anatomy, Department of Medicine and Aging Sciences, University “G.d’Annunzio” Chieti-Pescara, Italy.

## HONORS and AWARDS

- 2008 **Prize at the Neuroscience Research Symposium** (Brighton, UK), for the poster entitled "Characterization of Abeta1-42 activated T-cell subsets in Alzheimer disease: possible diagnostic immunological markers".  
2006 **Prize from the Italian Society of Flow Cytometry** (Premio GIC 2006);  
2016 The paper entitled “Endothelial progenitor cells, defined by the simultaneous surface expression of VEGFR2 and CD133, are not detectable in healthy peripheral and cord blood”, Lanuti P. et al., published on the “Cytometry A” Journal (89(3):259-70. doi: 10.1002/cyto.a.22730, 2016), has been designed as an “**Editor’s Choice**”

(<https://onlinelibrary.wiley.com/doi/full/10.1002/cyto.a.22730>).

### MEMBERSHIPS IN SCIENTIFIC SOCIETIES

2011 – Now SIAI: Società Italiana di Anatomia e Istologia  
2014 – Now ISCCA. Italian Society for Cytometric Cell Analysis  
2014 – Now ESCCA. European Society for Clinical Cell Analysis  
2009 – Now StemTeCh Group. Stem Cell Group (<http://www.stem-tech.it>)

### ADVISORY BOARDS

2020 – Now Editorial Board of “International Journal of Molecular Sciences”

### SCOPUS PARAMETERS:

H-index (March 2020): 17  
Citations (March 2020): 812

### SCIENTIFIC ACHIEVEMENTS

Most relevant scientific achievements: establishment of the current guidelines for the use of flow cytometry and cell sorting in immunology; optimization and standardization of polychromatic flow cytometry methods for the study of rare events (i.e. circulating endothelial cells) and for the identification, characterization and separation, by fluorescence activated cell sorting, of circulating extracellular vesicles in different clinical settings.

### FUNDED PROJECTS

- 2009-2010: Coordination of the international project: “Development of flow cytometry tools for circulating endothelial cell identification: novel biomarkers” - PROGETTI DI RICERCA PER LO SVILUPPO DI METODOLOGIE STRUMENTALI DI INDAGINI TECNICO-SCIENTIFICHE (intervento previsto nell’ambito dell’Azione 3.4 del Protocollo d’Intesa per l’attuazione del Progetto Speciale Multiasse “RETI PER LA CONOSCENZA E L’ORIENTAMENTO TECNICO-SCIENTIFICO PER LO SVILUPPO DELLA COMPETITIVITÀ” (RE.C.O.TE.S.S.C.) - P.O. F.S.E. Abruzzo 2007/2013 – Piano Operativo 2007/2008).
- 2018-2019: Coordination of the Flow Cytometry Unit for the project: “**Identification and validation of circulating microvesicle analysis as a new ex vivo assay to monitor cystic fibrosis disease**” (FFC#29/2018)(€ 55,000).
- 2019-2020: Coordination of the Flow Cytometry Unit for Pilot Study “Cystic Fibrosis Foundation (CFF)”, quale Partner del progetto dal titolo: “Circulating microvesicles as new biomarkers of CF disease” (Application#: 622009), (€ 108,000).

### PATENTS

1. “Metodo per identificare ed analizzare microvesicole in un campione di fluido biologico”. Italian patent number n. 102018000003981
2. “Method for identifying and analyzing microvesicles in a biological fluid sample”. European patent application number EP19164567.0

### ORIGINAL PEER-REVIEWED PUBLICATIONS (total):

1. Marchisio M., Santavenere E., Paludi M., Gaspari A.R., **Lanuti P.**, Bascelli A., Ercolino E., Di Baldassarre A. and Miscia S. Erythroid cell differentiation is characterized by nuclear matrix localization and phosphorylation of Protein Kinases C (PKC) alpha, delta and zeta. J. Cell. Physiol. 205:32-36, (2005). ISSN: 1097-4652. IF:4.362.

2. **Lanuti P.**, Marchisio M., Cantilena S., Paludi M., Bascelli A., Gaspari A.R., Grifone G., Centurione M.A., Papa S., Di Pietro R., Cataldi A., Miscia S., Bertagnolo V. A flow cytometry procedure for simultaneous characterization of cell DNA content and expression of intracellular protein kinase C-zeta. *J. Immunol. Methods.* 315:37-48, (2006). ISSN: 0022-1759. IF:2.402.
3. Marchisio M., Bertagnolo V., **Lanuti P.**, Gaspari A.R., Paludi M., Ciccocioppo F., Ercolino E., Bascelli A., Cataldi A. and Miscia S. Nuclear Protein Kinase C- $\delta$ : a possible Check-point of cell cycle progression. *Int. J. Immunopathol. Pharmacol.* 13:41-45, (2006). ISSN: 0394-6320. IF:3.213.
4. **Lanuti P.**, Bertagnolo V., Gaspari A.R., Ciccocioppo F., Pierdomenico L., Bascelli A., Sabatino G., Miscia S. and Marchisio M. Parallel regulation of PKC-alpha and PKC-delta characterizes the occurrence of erythroid differentiation from human primary haematopoietic progenitors. *Exp. Hematol.* 34:1624-1634, (2006). ISSN: 0301-472X. IF:3.408.
5. Bertagnolo V., Benedusi M., Brugnoli F., **Lanuti P.**, Marchisio M., Querzoli P. and Capitani S. Phospholipase C- $\beta$ 2 promotes mitosis and migration of human breast cancer derived cells. *Carcinogenesis.* 28:1638-45, (2007). ISSN: 0143-3334. IF:5.406.
6. Ciccocioppo F., **Lanuti P.**, Marchisio M., Gambi F., Santavenere E., Pierdomenico L., Bascelli A., Velluto L., Gambi D., Miscia S. Expression and phosphorylation of PKC isoforms in Abeta 1-42 activated T lymphocytes from alzheimer's disease. *Int J Immunopathol Pharmacol.* 21:23-33, (2008). ISSN: 0394-6320. IF:2.793.
7. Miscia S., Ciccocioppo F., **Lanuti P.**, Velluto L., Bascelli A., Pierdomenico L., Genovesi D., Di Siena A., Santavenere E., Gambi F., Ausili-Cèfaro G., Grimley P.M., Marchisio M. and Gambi D. Abeta1-42 stimulated T cells express P-PKC-delta and P-PKC-zeta in Alzheimer Disease. *Neurobiol Aging.* 30:394-406, (2009). ISSN: 0197-4580. IF:5.937.
8. Porreca E., Marchisio M., Di Nisio M., Moretta V., **Lanuti P.**, Pierdomenico L., Cuccurullo F., Miscia S. Increased phosphatidylserine exposure on platelets from hospitalized patients with acute medical illnesses. *Thromb Res.* 124: 502-504, (2009). ISSN: 0049-3848. IF:2.406.
9. Caporale T., Ciavardelli D., Di Ilio C., **Lanuti P.**, Drago D, Sensi S.L. Ratiometric-pericam-mt, a novel tool to evaluate intramitochondrial zinc. *Exp Neurol.* 218:228-234, (2009). ISSN: 0014-4886. IF:3.914.
10. **Lanuti P.**, Bertagnolo V., Pierdomenico L., Bascelli A., Santavenere E., Alinari L., Capitani S., Miscia S., Marchisio M. Enhancement of TRAIL cytotoxicity by AG-490 in human ALL cells is characterized by downregulation of cIAP-1 and cIAP-2 through inhibition of Jak2/Stat3. *Cell Res.* 19:1079-1089, (2009). ISSN/ISBN: 1001/0602. IF: 8.151.
11. **Lanuti P.**, Fuhrmann S., Lachmann R., Marchisio M., Miscia S., Kern F. Simultaneous Characterisation of Phospho-Proteins and Cell Cycle in activated T-cell subsets. *Int. J. Immunopathol. Pharmacol.* 22:689-698 (2009). ISSN: 0394-6320. IF:3.061.
12. Angelucci S., Marchisio M., Di Giuseppe F., Pierdomenico L., Sulpizio M., Eleuterio E., **Lanuti P.**, Sabatino G., Miscia S., Di Ilio C. Proteome analysis of human Wharton's jelly cells during in vitro expansion. *Proteome Sci.* 26;8:18 (2010). ISSN: 1477-5956. IF:2.488.
13. D'Alimonte I., Nargi E., Mastrangelo F., Falco G., **Lanuti P.**, Marchisio M., Miscia S., Robuffo I., Capogreco M., Buccella S., Caputi S., Caciagli F., Tetè S., Ciccarelli R. Vascular endothelial growth factor enhances in vitro proliferation and osteogenic differentiation of human dental pulp stem cells. *Journal of biological regulators & homeostatic agents.* 25(1):57-69, (2011). ISSN: 0393-974X. IF:5.183.
14. Di Mauro M., Gallina S., D'Amico M.A., Izzicupo P., **Lanuti P.**, Bascelli A., Di Fonso A., Bartoloni G., Calafiore A.M., Di Baldassarre A. Functional mitral regurgitation From normal to pathological anatomy of mitral valve. On behalf of Italian Group of Study for Heart Valve Disease (Italian Society of Cardiology). *Int J Cardiol.* 163(3):242-8. (2011). ISSN: 0167-5273. IF: 6.175.
15. Pierdomenico L., **Lanuti P.**, Lachmann R., Grifone G., Cianci E., Gialò L., Pacella S., Romano M., Vitacolonna E., Miscia S. and Marchisio M. Diabetes mellitus during pregnancy interferes with the biological characteristic of Wharton's Jelly Mesenchymal stem cells. *The Open Tissue Engineering and Regenerative Medicine Journal* 2011 4:103-111 Open Access IF=NC.
16. Petrarca C., Lazzarin F., **Lanuti P.**, Marchisio M., Miscia S., Rossi C., Braga M., Mistrello G., Di Gioacchino M. *Lactobacillus paracasei* Lp6 favors immune modulation induced by allergoid treatment in ragweed sensitized mice. *Int J Immunopathol Pharmacol.* 24(4):881-93, (2011). ISSN: 0394-6320. IF:2.991.

17. **Lanuti P.**, Ciccocioppo F., Bonanni L., Marchisio M., Lachmann R., Tabet N., Pierdomenico L., Santavenere E., Catinella V., Iacone A., Thomas A., Gambi D., Miscia S., Onofri M., Kern F. Amyloid-specific T-cells differentiate Alzheimer's disease from Lewy body dementia. *Neurobiol Aging*. 33(11):2599-611. (2012). ISSN: 0197-4580. IF:6.166.
18. **Lanuti P.**, Santilli F., Marchisio M., Pierdomenico L., Vitacolonna E., Santavenere E., Iacone A., Davi G., Romano M., Miscia S. A novel flow cytometric approach to distinguish circulating endothelial cells from endothelial microparticles: Relevance for the evaluation of endothelial dysfunction. *J Immunol Methods*. 29;380(1-2):16-22. (2012). ISSN: 0022-1759. IF: 2.225.
19. Lachmann R, **Lanuti P.**, Miscia S. OMIP-011: Characterization of circulating endothelial cells (CECs) in peripheral blood. *Cytometry A*. 81(7):549-51. (2012) ISSN: 1552-4930. (<http://www.ncbi.nlm.nih.gov/pubmed/22648996>). IF: 3.753.
20. Di Tomo P, Pipino C, **Lanuti P.**, Morabito C, Pierdomenico L, Sirolli V, Bonomini M, Miscia S, Marigliò MA, Marchisio M, Barboni B, Pandolfi A. Calcium sensing receptor expression in ovine amniotic fluid mesenchymal stem cells and the potential role of R-568 during osteogenic differentiation. *PLoS One*. 8(9):e73816 (2013) ISSN: 1932-6203. IF: 3.730.
21. Gatta V, D'Aurora M, **Lanuti P.**, Pierdomenico L, Sperduti S, Palka G, Gesi M, Marchisio M, Miscia S, Stuppia L. Gene expression modifications in Wharton's Jelly mesenchymal stem cells promoted by prolonged in vitro culturing. *BMC Genomics*. 21;14:635 (2013) ISSN: 1471-2164. IF: 4.397.
22. Mancinelli R, La Rovere RM, Fulle S, Miscia S, Marchisio M, Pierdomenico L, **Lanuti P.**, Procino G, Barbieri C, Svelto M, Fanò-Illic G, Pietrangelo T. Extracellular GTP is a Potent Water-Transport Regulator via Aquaporin 5 Plasma-Membrane Insertion in M1-CCD Epithelial Cortical Collecting Duct Cells. *Cell Physiol Biochem*. 33(3):731-46 (2014) ISSN: 1015-8987. IF: 3.415.
23. Bologna G, **Lanuti P.**, D'Ambrosio P, Tonucci L, Pierdomenico L, D'Emilio C, Celli N, Marchisio M, d'Alessandro N, Santavenere E, Bressan M, Miscia S. Water-soluble platinum phthalocyanines as potential antitumor agents. *Biometals*. 27(3):575-89 (2014) ISSN: 0966-0844). IF: 3.284.
24. Di Giuseppe F, Pierdomenico L, Eleuterio E, Sulpizio M, **Lanuti P.**, Riviello A, Bologna G, Gesi M, Di Ilio C, Miscia S, Marchisio M, Angelucci S. Cryopreservation effects on Wharton's Jelly Stem Cells proteome. *Stem Cell Rev*. 10(3):429-46 (2014). IF: 3.63.
25. Veronese A, Pepe F, Chiacchia J, Pagotto S, **Lanuti P.**, Veschi S, Di Marco M, D'Argenio A, Innocenti I, Vannata B, Autore F, Marchisio M, Wernicke D, Verginelli F, Leone G, Rassenti LZ, Kipps TJ, Mariani-Costantini R, Laurenti L, Croce CM, Visone R. Allele-specific loss and transcription of the miR-15a/16-1 cluster in chronic lymphocytic leukemia. *Leukemia*. 29(1):86-95. (2015) ISSN: 0887-6924. IF: 12.104.
26. Pipino C, Di Tomo P, Mandatori D, Cianci E, **Lanuti P.**, Cutrona MB, Penolazzi L, Pierdomenico L, Lambertini E, Antonucci I, Sirolli V, Bonomini M, Romano M, Piva R, Marchisio M, Pandolfi A. Calcium sensing receptor activation by calcimimetic R-568 in human amniotic fluid mesenchymal stem cells: correlation with osteogenic differentiation. *Stem Cells Dev*. 23(24):2959-71. (2014). ISSN: 1547-3287 (Print), 1557-8534 (Electronic). (<http://www.ncbi.nlm.nih.gov/pubmed/25036254>) IF: 4.202.
27. Milillo A, La Carpia F, Costanzi S, D'Urbano V, Martini M, **Lanuti P.**, Vischini G, Larocca LM, Marchisio M, Miscia S, Amoroso A, Gurrieri F, Sangiorgi E. A SPRY2 mutation leading to MAPK/ERK pathway inhibition is associated with an autosomal dominant form of IgA nephropathy. *Eur J Hum Genet*. 23(12):1673-8 (2015). ISSN: 1018-4813. doi: 10.1038/ejhg.2015.52. (<http://www.ncbi.nlm.nih.gov/pubmed/25782674> ) IF: 4.225.
28. D'Alimonte I, Nargi E, Zuccarini M, **Lanuti P.**, Di Iorio P, Giuliani P, Ricci-Vitiani L, Pallini R, Caciagli F, Ciccarelli R. Potentiation of temozolomide antitumor effect by purine receptor ligands able to restrain the in vitro growth of human glioblastoma stem cells. *Purinergic Signal*. 11(3):331-46. (2015) IF: 3.510.
29. Di Tomo P, Di Silvestre S, Cordone VG, Giardinelli A, Faricelli B, Pipino C, **Lanuti P.**, Peng T, Formoso G, Yang D, Arduini A, Chiarelli F, Pandolfi A, Di Pietro N. Centella asiatica and lipoic acid, or a combination thereof, inhibit monocyte adhesion to endothelial cells from umbilical cords of gestational diabetic women. *Nutr Metab Cardiovasc Dis*. 25(7):659-66. (2015) IF:3.323.
30. **Lanuti P.**, Rotta G, Almici C, Avvisati G, Budillon A, Doretto P, Malara N, Marini M, Neva A, Simeone P, Di Gennaro E, Leone A, Falda A, Tozzoli R, Gregorj C, Di Cerbo M, Trunzo V, Mollace V, Marchisio M, Miscia S. Endothelial progenitor cells, defined by the simultaneous surface

- expression of VEGFR2 and CD133, are not detectable in healthy peripheral and cord blood. *Cytometry A*. doi: 10.1002/cyto.a.22730. (2016) IF:2.928.
31. **Lanuti P**, Serafini F, Pierdomenico L, Simeone P, Bologna G, Ercolino E, Di Silvestre S, Guarnieri S, Canosa C, Impicciatore GG, Chiarini S, Magnacca F, Mariggiò MA, Pandolfi A, Marchisio M, Di Giammarco G, Miscia S. Human Mesenchymal Stem Cells Reendothelialize Porcine Heart Valve Scaffolds: Novel Perspectives in Heart Valve Tissue Engineering. *Biores Open Access*. 4(1):288-97 (2015). IF:NC.
  32. Morabito C, **Lanuti P**, Caprara GA, Guarnieri S, Verratti V, Ricci G, Catizone A, Marchisio M, Fanò-Illic G, Mariggiò MA. Responses of peripheral blood mononuclear cells to moderate exercise and hypoxia. *Scand J Med Sci Sports*. (2015) doi: 10.1111/sms.12557. IF:2.896.
  33. Vergara D, Simeone P, De Matteis S, Carloni S, **Lanuti P**, Marchisio M, Miscia S, Rizzello A, Napolitano R, Agostinelli C, Maffia M. Comparative proteomic profiling of Hodgkin lymphoma cell lines. *Mol Biosyst*. 12(1):219-32 (2015) IF:3.210.
  34. Lupini L, Pepe F, Ferracin M, Braconi C, Callegari E, Pagotto S, Spizzo R, Zagatti B, **Lanuti P**, Fornari F, Ghasemi R, Mariani-Costantini R, Bolondi L, Gramantieri L, Calin GA, Sabbioni S, Visone R, Veronese A, Negrini M. Over-expression of the miR-483-3p overcomes the miR-145/TP53 pro-apoptotic loop in hepatocellular carcinoma. *Oncotarget*. 7(21):31361-71(2016) IF: 6.359.
  35. Santilli F, Marchisio M, **Lanuti P**, Boccattonda A, Miscia S, Davì G. Microparticles as new markers of cardiovascular risk in diabetes and beyond. *Thromb Haemost*. 1;116(2):220-34 (2016) IF: 4.984.
  36. Mincione G, Di Marcantonio MC, Tarantelli C, Savino L, Ponti D, Marchisio M, **Lanuti P**, Sancilio S, Calogero A, Di Pietro R, Muraro R. Identification of the zinc finger 216 (ZNF216) in human carcinoma cells: a potential regulator of EGFR activity. *Oncotarget* doi: 10.18632/oncotarget.12509 (2016) IF: 6.359.
  37. Di Pietro N, Marcovecchio ML, Di Silvestre S, de Giorgis T, Cordone VG, **Lanuti P**, Chiarelli F, Bologna G, Mohn A, Pandolfi A. Plasma from pre-pubertal obese children impairs insulin stimulated Nitric Oxide (NO) bioavailability in endothelial cells: Role of ER stress. *Mol Cell Endocrinol*. 2017 Jan 3. pii: S0303-7207(17)30001-1. doi: 10.1016/j.mce.2017.01.001 (2017) IF:3.859.
  38. Codagnone M, Recchiuti A, **Lanuti P**, Pierdomenico AM, Cianci E, Patruno S, Mari VC, Simiele F, Di Tomo P, Pandolfi A, Romano M. Lipoxin A4 stimulates endothelial miR-126-5p expression and its transfer via microvesicles. *FASEB J*. 2017 Jan 18. pii: fj.201600952R. doi: 10.1096/fj.201600952R (2017). IF:5.229.
  39. Madonna R, Renna FV, **Lanuti P**, Perfetti M, Marchisio M, Briguori C, Condorelli G, Manzoli L, De Caterina R. The acute impact of high-dose lipid-lowering treatment on endothelial progenitor cells in patients with coronary artery disease-The REMEDY-EPC early substudy. *PLoS One*. 2017 Apr 10;12(4):e0172800. IF:3.540.
  40. Pepe F, Pagotto S, Soliman S, Rossi C, **Lanuti P**, Braconi C, Mariani-Costantini R, Visone R, Veronese A. Regulation of miR-483-3p by the O-linked N-acetylglucosamine transferase links chemosensitivity to glucose metabolism in liver cancer cells. *Oncogenesis*. 2017 May 8;6(5):e328. IF:5.021.
  41. Di Tomo P, **Lanuti P**, Di Pietro N, Baldassarre MPA, Marchisio M, Pandolfi A, Consoli A, Formoso G. Liraglutide mitigates TNF- $\alpha$  induced pro-atherogenic changes and microvesicle release in HUVEC from diabetic women. *Diabetes Metab Res Rev*. 2017 Nov;33(8). doi: 10.1002/dmrr.2925. Epub 2017 Sep 6. IF: 3.263.
  42. Plebani R, Tripaldi R, **Lanuti P**, Recchiuti A, Patruno S, Di Silvestre S, Simeone P, Anile M, Venuta F, Prioletta M, Mucilli F, Del Porto P, Marchisio M, Pandolfi A, Romano M. Establishment and long-term culture of human cystic fibrosis endothelial cells. *Lab Invest*. 2017 Nov;97(11):1375-1384. doi: 10.1038/labinvest.2017.74. Epub 2017 Jul 31. IF: 4.857.
  43. Totani L, Plebani R, Piccoli A, Di Silvestre S, **Lanuti P**, Recchiuti A, Cianci E, Dell'Elba G, Sacchetti S, Patruno S, Guarnieri S, Mariggiò MA, Mari VC, Anile M, Venuta F, Del Porto P, Moretti P, Prioletta M, Mucilli F, Marchisio M, Pandolfi A, Evangelista V, Romano M. Mechanisms of endothelial cell dysfunction in cystic fibrosis. *Biochim Biophys Acta*. 2017 Dec;1863(12):3243-3253. doi: 10.1016/j.bbadis.2017.08.011. Epub 2017 Aug 25. IF: 5.340.
  44. Brugnoli F, Grassilli S, **Lanuti P**, Marchisio M, Al-Qassab Y, Vezzali F, Capitani S, Bertagnolo V. Up-modulation of PLC- $\beta$ 2 reduces the number and malignancy of triple-negative breast tumor cells

- with a CD133+/EpCAM+ phenotype: a promising target for preventing progression of TNBC. *BMC Cancer*. 2017 Sep 4;17(1):617. doi: 10.1186/s12885-017-3592-y. IF: 3.288.
45. Verginelli F, Perconti S, Vespa S, Schiavi F, Prasat SC, **Lanuti P**, Cama A, Tramontana L, Esposito DL, Guarnieri S, Sheu A, Pantalone MR, Florio R, Morgano A, Rossi C, Bologna G, Marchisio M, D'Argenio A, Taschin E, Visone R, Opocher G, Veronese A, Paties CT, Rajasekhar VK, Söderberg-Nauclér C, Sanna M, Lotti LV, Mariani-Costantini R. Paragangliomas arise through an autonomous vasculo-angio-neurogenic program inhibited by imatinib. *Acta Neuropathol*. 2018 Jan 5. doi: 10.1007/s00401-017-1799-2. IF: 12.213.
  46. Bernabò N, Fontana A, Sanchez MR, Valbonetti L, Capacchietti G, Zappacosta R, Greco L, Marchisio M, **Lanuti P**, Ercolino E, Barboni B. Graphene oxide affects in vitro fertilization outcome by interacting with sperm membrane in an animal model. *Carbon*. 2018 April 129;428-437. IF: 6.834.
  47. Pieragostino D, Cicalini I, **Lanuti P**, Ercolino E, di Ioia M, Zucchelli M, Zappacosta R, Miscia S, Marchisio M, Sacchetta P, Onofrj M, Del Boccio P. Enhanced release of acid sphingomyelinase-enriched exosomes generates a lipidomics signature in CSF of Multiple Sclerosis patients. *Scientific Reports*. 2018. 15;8(1):3071. doi: 10.1038/s41598-018-21497-5. IF: 4.259.
  48. Pagotto S, Veronese A, Soranno A, **Lanuti P**, Di Marco M, Russo MV, Ramassone A, Marchisio M, Simeone P, Guanciali-Franchi PE, Palka G, Costantini RM, Croce CM, Visone R. Hsa-miR-155-5p drives aneuploidy at early stages of cellular transformation. *Oncotarget*. 2018. 9(16):13036-13047. doi: 10.18632/oncotarget.24437. IF: 5.168.
  49. **Lanuti P**, Simeone P, Rotta G, Almici C, Avvisati G, Azzaro R, Bologna G, Budillon A, Di Cerbo M, Di Gennaro E, Di Martino ML, Diodato A, Doretto P, Ercolino E, Falda A, Gregorj C, Leone A, Losa F, Malara N, Marini M, Mastroroberto P, Mollace V, Morelli M, Muggianu E, Musolino G, Neva A, Pierdomenico L, Pinna S, Piovani G, Roca MS, Russo D, Scotti L, Tirindelli MC, Trunzo V, Venturella R, Vitagliano C, Zullo F, Marchisio M, Miscia S. A standardized flow cytometry network study for the assessment of circulating endothelial cell physiological ranges. *Sci Rep*. 2018. 11;8(1):5823. doi: 10.1038/s41598-018-24234-0. IF: 4.259.
  50. De Cola A, Lamolinara A, **Lanuti P**, Rossi C, Iezzi M, Marchisio M, Todaro M, De Laurenzi V. MiR-205-5p inhibition by locked nucleic acids impairs metastatic potential of breast cancer cells. *Cell Death Dis*. 2018 Jul 26;9(8):821. doi: 10.1038/s41419-018-0854-9. IF: 5.638.
  51. De Iuliis V, Marino A, Caruso M, Capodifoglio S, Flati V, Marynuk A, Marricareda V, Ursi S, **Lanuti P**, Talora C, Conti P, Martinotti S, Toniato E. Autophagy processes are dependent on EGF receptor signaling. *Oncotarget*. 2018 Jul 13;9(54):30289-30303. doi: 10.18632/oncotarget.25708. eCollection 2018 Jul 13. IF: 5.168.
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