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Decreto Rettore Università di Roma "La Sapienza" n. 2267/2021 del 09.08.2021

Annalinda Pisano

Curriculum Vitae

Part I – General Information

Part II – Education

Type	Year	Institution	Notes
University graduation	2007	Sapienza University of Rome	**Bachelor** in **Biological Sciences**
University graduation	2009	Sapienza University of Rome	**Master** in **Neurobiology**
Professional qualification	2013	Sapienza University of Rome	**Biologist**
PhD	2014	Sapienza University of Rome	**PhD in Epidemiology and Molecular Pathology** Thesis title: "Meccanismo di danno nella Neuropatia Ottica Ereditaria di Leber e possibile ruolo terapeutico di sostanze estrogeno-simili"
Post-doctoral course	2014	MEET: Mitochondrial European Education Training	**2nd Course in Mitochondrial Medicine**
ASN	2020		**Abilitazione Scientifica Nazionale a Professore di II fascia nel Settore concorsuale 06/N1** – Scienze delle professioni sanitarie e delle tecnologie mediche applicate nella tornata 2018-2020 – Quinto quadrimestre (validità Abilitazione dal 13/11/2020 al 13/11 2029)

Part III – Appointments

Academic Appointments

Start	End	Institution	Position
2013	2014	Department of Radiology, Oncology and Pathology, Policlinico Umberto I - Sapienza University of Rome	**Post-doctoral fellow** – Project: Estrogen mediated regulation of respiratory chain biogenesis and functions: possible therapeutic implications for Leber's hereditary optic neuropathy
2014	2015	Department of Radiology, Oncology and Pathology, Policlinico Umberto I - Sapienza University of Rome	**Research Fellow** – Project: Isolated domains of aminoacyl tRNA syntethases as a possible therapy for mt tRNA mutation associated disease
2016	2018	Department of Radiology, Oncology and Pathology, Policlinico Umberto I - Sapienza University of Rome	**Research Fellow** – Project: Mechanisms and treatment of coronary microvascular disfunction in patients with genetic or secondary left ventricular hypertrophy
2018	2021	Department of Radiology, Oncology and Pathology, Policlinico Umberto I - Sapienza University of Rome	**Research Fellow** – Project: Stabilization of tRNAs as a therapeutic strategy for diseases due to mutations in mt-tRNAs

Part IV – Teaching activities

Year	Institution	Position
2018-now	Department of Radiology, Oncology and Pathology, Policlinico Umberto I - Sapienza University of Rome	**Tutor**, Master Degree Thesis, Medicine and Surgery; Bachelor Thesis, "Tecnico di Laboratorio Biomedico"
2016-now	Department of Radiology, Oncology and Pathology, Policlinico Umberto I - Sapienza University of Rome	**Tutor**, Laboratory traineeship for PhD Students

Part IV - Society memberships, Awards and Honors

Year	Title
2014	**Meet award**: **2nd Course in Mitochondrial Medicine** - Bertinoro di Romagna (FC)
2015	**Best project award**: Telethon Convention 2015
2020-now	**Reviewer**: Scientific Reports

Part V- Funding Information [grants as PI-principal investigator or I-investigator]

PI-principal investigator

Year	Title	Grant	Grant value
2018	Isolated peptides from mt-leucyl-tRNA synthetase as novel therapeutic instruments against mitochondrial disease caused by mt-tRNA point mutation	**"Research Project" Mitocon** – Insieme per lo studio e la cura delle malattie mitocondriali Onlus (Grant n° 2018-02)	25.000 €

I-investigator

Year	Title	Grant	Grant value
2019	Mitochondrial tRNA related diseases: implementation of cellular models to evaluate the tissue-specific effects and rescuing mechanisms of therapeutic molecules	Istituto Pasteur Italia-Fondazione Cenci Bolognetti-Grant "AnnaTramontano" (Project n. AT-5.1) P.I. Giulia d'Amati	40.000 €
2017	Stabilization of tRNAs as a therapeutic strategy for disease due to mutation in mt-tRNAs	AFM Telèthon France (Project number: 20607) P.I. Giulia d'Amati	319.000 €
2016	Towards therapeutic applications of leucyl-tRNA synthetase-derived peptides: assessment of tissue specific effects and rescuing mechanisms	Progetto di Ricerca di Università-Ateneo 2016 P.I. Carla Giordano	4.000 €
2013	Isolated domains of aminoacyl tRNA syntethases as a possible therapy for mt tRNA mutation associated disease	AFM Teléthon France (Project number: 16963) P.I. Giulia d'Amati	30.000 €
2013	Isolated domains of aminoacyl tRNA synthetases as a novel therapeutic tool for mt-tRNA mutation associated disease	Telethon Italia (Grant n° GGP 17093) P.I. Giulia d'Amati	218.500 €
2012	Estrogen mediated regulation of respiratory chain biogenesis and functions: possible therapeutic implications for Leber's hereditary optic neuropathy	United Mitochondrial Disease Foundation (UMDF) (Grant n° 12-059) P.I. Carla Giordano	118.000 $

Part VI – Research Activities

Keywords	Brief Description
Application of cellular and molecular biology techniques to the study of mitochondrial (mt) DNA disease	- Production and characterization of cellular models: trans-mitochondrial cybrids (cybrids), induced pluripotent stem cells, (iPSCs) and iPSC derived cells (cardiomyocytes and neurons) carrying pathogenic mutations in mitochondrial DNA genes to investigate the pathogenic mechanism of disorders due to (mt) DNA point mutations and the rescuing effect of therapeutic molecules (n° 1-5-7-8-19 from Publications section (part IX))
	- Study of the role of mitochondrial biogenesis in the penetrance of mitochondrial disorders (n° 4-9 from Publications section (part IX))
Application of morpho-molecular analysis techniques to the study mitochondrial, cardiac and skeletal muscle diseases	- Evaluation of selective gene expression profiles by Laser Capture Microdissection in conjunction with real time PCR or Next Generation Sequencing (n° 4-9-12 from Publications section (part IX)) - Analysis of the pathological phenotype of selected diseases by the application of immunohistochemistry, immunofluorescence and histomorphometry techniques on human samples (n° 2-10-11-12-13-16-17-20 from Publications section (part IX))
Oncological pathology	- Study of prognostic and predictive factors in different neoplastic settings (n° 14-15-18 from Publications section (part IX))

Part VII – Participation to scientific conferences

Invited Speaker:
8° Convegno Nazionale sulle Malattie Mitocondriali 2018, Roma (25/05/2018 – 27/05/2018)
"Isolated peptides from mt-leucyl-tRNA synthetase as novel therapeutic instruments against mitochondrial diseases caused by mt-tRNA point mutations".

Presenting Author:
Pisano A, Le Pera L, Lombardi M, Ferrè F, Carletti R, Cerbelli B, Lazzeroni D, Alfieri O, Foglieni C, Camici P, d'Amati G.
"Gene expression profiling and enrichment functional analyses to compare coronary microvessels and cardiomyocytes in patients with hypertrophic cardiomyopathy"
ESC (European Society of Cardiology) Congress 2020 – The Digital Experience (29/08/2020 – 01/09/2020)

Pisano A, Preziuso C, Grazioli P, Campese A, Tropeano V, Mancini M, Perli E, Orlandi M, d'Amati G, Carelli V, Ghelli A, Giordano C.
"Targeting estrogen receptor β: a possible therapeutic role foe Leber's Hereditary Optic Neuropathy"
European Meeting on Mitochondrial Pathology 9 (EUROMIT9), Tampere (15/06/2014 -19/06/2014)

Pisano A, Tropeano V, Preziuso C, Mancini M, Petruzziello L, Petrozza V, Ghelli G, Carelli V, Giordano C.
"A specific combination of phytoestrogens ameliorates the mitochondrial dysfunction in Leber's Hereditary Optic Neuropathy"
United Mitochondrial Disease Fondation (UMDF) Mitochondrial Medicine Symposium 2013, Newport Beach CA (12/06/2013 – 15/06/2013)

Others
Perli E, Giordano C, Tuppen H, Orlandi M, Autore C, **Pisano A**, Musumeci B, Taylor RW, Monopoli M, d'Amati G.

"Phenotypic expression of homoplasmic mutations in mitochondrial trna genes: role of aminoacyl-trna synthetases"
International Congress on Neuromuscular Diseases, Napoli (17/07/2010 - 22/07/2010)

Montopoli M, Catanzaro D, Martinuzzi A, **Pisano A**, Caparrotta L, d'Amati G, Carelli V, Giordano C.
"Effects of genistein on Leber's hereditary optic neuropathy (LHON) mitochondrial metabolism" European Meeting on Mitochondrial Pathology 8 (EUROMIT8), Saragozza (20/06/2011 - 23/06/2011).

Perli E, Giordano C, Tuppen HAL, Montopoli M, Montanari A, Orlandi M, **Pisano A**, Catanzaro D, Caparrotta L, Autore C, Francisci S, Morea V, Frontali L, Taylor RW, d'Amati G.
"Isoleucyl-tRNA synthetase levels modulate the penetrance of a homoplasmic m.4277T>C MTTI gene mutation causing hypertrophic cardiomyopathy"
European Meeting on Mitochondrial Pathology 8 (EUROMIT8), Saragozza (20/06/2011 - 23/06/2011)

Orlandi M, Giordano C, Bates MGD, **Pisano A**, Perli E, Nediani C, Romero JM, Turnbull DM, Taylor RW, d'Amati G.
"Mitochondrial biogenesis and oxidative stress in the natural history of mitochondrial cardiomyopathies"
European Meeting on Mitochondrial Pathology 8 (EUROMIT8), Saragozza (20/06/2011 - 23/06/2011)

Giordano C, Perli E, Orlandi M, **Pisano A**, Gallo P, Terzi A, Taylor RW, d'Amati G.
Morphologic, biochemical and molecular features of mitochondrial cardiomyopathy: a diagnostic algorithm"
5th Biennal Meeting of the Association for European Cardiovascular Pathology (AECVP) 2012, Cadiz (04/10/2012 – 06/10/2012)

Giordano C, **Pisano A**, Montopoli M, Tropeano V, Cantazaro D, Preziuso C, Mancini M, Grazioli P, Campese A, Petrozza V, d'Amati G, Ghelli A, Carelli V.
"A specific combination of phytoestrogens ameliorates the mitochondrial dysfunction in Leber's Hereditary Optic Neuropathy"
Mitochondrial Disease: Translating Biology Into New Treatments, Cambridge UK (02/10/2013 - 04/10/2013)

Perli E, Giordano C, **Pisano A**, Montanari A, Campese AF, Reyes A, Ghezzi D, Nasca A, Tuppen HA, Orlandi M, Di Micco P, Poser E, Taylor RW, Colotti G, Francisci S, Morea V, Frontali L, Zeviani M, d'Amati G.
"The isolated carboxy-terminal domain of human mitochondrial leucyl-tRNA synthetase rescues the pathological phenotype of mitochondrial tRNA mutations in human cells"
Mitochondrial Disease: Translating Biology Into New Treatments, Cambridge UK (02/10/2013 - 04/10/2013)

Colotti G, Perli E, Fiorillo A, Montanari A, **Pisano A**, Di Micco P, Poser E, Genovese I, Campese A, Giordano C, Morea V, d'Amati G.
"Short peptides from human mitochondrial leucyl tRNA synthetase rescue the pathological phenotype of human cells carrying the m.3243A>G mutation in mitochondrial $tRNA^{Leu(UUR)}$"
European Meeting on Mitochondrial Pathology 9 (EUROMIT9), Tampere (15/06/2014 -19/06/2014)

Perli E, Giordano C, **Pisano A**, Montanari A, Campese A, Reyes A, Ghezzi D, Nasca A, Tuppen HA, Orlandi M, Di Micco P, Poser E, Fiorillo A, Taylor RW, Colotti G, Francisci S, Morea V, Frontali L, Zeviani M, d'Amati G.
"Isolated peptides from mt-leucyl-tRNA synthetase as novel therapeutic instruments against mitochondrial diseases caused by mt-tRNA point mutations"
Convention Telethon, Riva del Garda (09/03/2015 – 11/03/2015)

Cerbelli B, **Pisano A**, Pignataro MG, Biffoni M, Berni S, De Luca A, Riccieri V, Priori R, Valesini G, d'Amati G, Giordano C.
"Morphologic features of inflammatory myopathy associated with anti-aminoacyl-tRNA synthetase

antibodies”
16th Annual Meeting USCAP 2017, San Antonio, Texas (04/03/2017 – 10/03/2017)

Cerbelli B, De Vincentiis L, Botticelli A, **Pisano A**, Pernazza A, Sciattella P, Mauri M, Fortunato L, Monti M, Campagna D, Naso G, Marchetti P, d’Amati G, Costarelli L.
“La biologia del carcinoma della mammella influisce sulla risposta linfonodale alla chemioterapia neoadiuvante”
Congresso AIS Attualita’ in Senologia 2017, Firenze (08/11/2017 – 10/11/2017)

Cerbelli B, Perli E, **Pisano A**, Glasgow RIC, Hardy SA, Falkous G, He L, Pignataro MG, Morea V, Bonnen PE, Taylor RW, d’Amati G, Giordano C.
“Novel compound mutations in the mitochondrial translation elongation factor (tsfm) gene causing severe cardiomyopathy with myocardial fibro adipose replacement”
8th Biennial Meeting of the Association for European Cardiovascular Pathology 2018, Lausanne CH (11/10/2018 – 13/10/2018)

Cerbelli B, Botticelli A, **Pisano A**, Pignataro MG, Naso G, Monti M, Costarelli L, Magri V, Mauri M, Campagna D, Nuti M, Fortunato L, Della Rocca C, Marchetti P, d’Amati G. Congresso di Anatomia Patologica (SIAPEC-IAP) 2018, Bari (18/10/2018 – 20/10/2018)
“The role of CD73 in predicting the response to neoadjuvant treatment in triple negative breast cancer”
8th Biennial Meeting of the Association for European Cardiovascular Pathology 2018, Lausanne CH (11/10/2018 – 13/10/2018)

Part VIII – Summary of Scientific Achievements

Product type	Number	Data Base	Start	End
Papers [international]	**20**	Scopus	2012	2021

Total Impact factor	**95,77**
Total Citations	**560** (Scopus)
Average Citations per Product	**28** (Scopus)
Hirsch (H) index	**12** (Scopus)
Normalized H index*	**1,3** (Scopus)

*****H index divided by the academic seniority.

Part IX–Publications

1. Perli E, Giordano C, Tuppen HA, Montopoli M, Montanari A, Orlandi M, **Pisano A**, Catanzaro D, Caparrotta L, Musumeci B, Autore C, Morea V, Di Micco P, Campese AF, Leopizzi M, Gallo P, Francisci S, Frontali L, Taylor RW, d'Amati G. Isoleucyl-tRNA synthetase levels modulate the penetrance of a homoplasmic m.4277T>C mitochondrial tRNA(Ile) mutation causing hypertrophic cardiomyopathy. Hum Mol Genet. 2012 Jan 1;21(1):85-100. doi: 10.1093/hmg/ddr440.
   IF: 7,692 – citations: 51.

2. Giordano C, Perli E, Orlandi M, **Pisano A**, Tuppen HA, He L, Ierinò R, Petruzziello L, Terzi A, Autore C, Petrozza V, Gallo P, Taylor RW, d'Amati G. Cardiomyopathies due to homoplasmic mitochondrial tRNA mutations: morphologic and molecular features. Hum Pathol. 2013 Jul;44(7):1262-70. doi: 10.1016/j.humpath.2012.10.011.
   IF: 2,806 – citations: 24.

3. Uggenti C, Egle De Stefano M, Costantino M, Loreti S, **Pisano A**, Avallone B, Talora C, Magnaghi V, Maria Tata A. M2 muscarinic receptor activation regulates schwann cell differentiation and myelin organization. Dev Neurobiol. 2014 Jul;74(7):676-91. doi: 10.1002/dneu.22161.
   IF: 3,370 – citations: 22.

4. Giordano C, Iommarini L, Giordano L, Maresca A, Pisano A, Valentino ML, Caporali L, Liguori R, Deceglie S, Roberti M, Fanelli F, Fracasso F, Ross-Cisneros F, D'adamo P, Hudson G, Pyle A, Yu-Wai-Man P, Chinnery P, Zeviani M, Salomão S,Berezovsky A, Belfort R Jr, Ventura D, Moraes M, Moraes-Filho M, Barboni P, Sadun F, De Negri AM, Sadun A, Tancredi A, Mancini M, d'Amati G, Loguercio Polosa P, Cantatore P, Carelli V. Efficient mitochondrial biogenesis drives incomplete penetrance in Leber's hereditary optic neuropathy. Brain. 2014 Feb;137(Pt 2):335-53. doi: 10.1093/brain/awt343.
   IF: 9,196 – citations: 163.

5. Perli E, Giordano C, **Pisano A**, Montanari A, Campese AF, Reyes A, Ghezzi D, Nasca A, Tuppen HA, Orlandi M, Di Micco P, Poser E, Taylor RW, Colotti G, Francisci S, Morea V, Frontali L, Zeviani M, d'Amati G.The isolated carboxy-terminal domain of human mitochondrial leucyl-tRNA synthetase rescues the pathological phenotype of mitochondrial tRNA mutations in human cells. EMBO Mol Med. 2014 Feb;6(2):169-82. doi: 10.1002/emmm.201303198.
   IF: 8,665 – citations: 33.

6. Pippucci T, Maresca A, Magini P, Cenacchi G, Donadio V, Palombo F, Papa V, Incensi A, Gasparre G, Valentino ML, Preziuso C, **Pisano A**, Ragno M, Liguori R, Giordano C, Tonon C, Lodi R, Parmeggiani A, Carelli V, Seri M. Homozygous NOTCH3 null mutation impairs NOTCH3 signaling and causes recessive early-onset arteriopathy and cavitating leukoencephalopathy. EMBO Mol Med. 2015 Apr 13. pii: e201404399. doi: 10.15252/emmm.201404399.
   IF: 9,547 – citations: 26.

7. **Pisano A**, Preziuso C, Iommarini L, Perli E, Grazioli P, Campese AF, Maresca A, Montopoli M, Masuelli L, Sadun AA, d'Amati G, Carelli V, Ghelli A, Giordano C. Targeting estrogen receptor β as preventive therapeutic strategy for Leber's hereditary optic neuropathy. Hum Mol Genet. 2015 Dec 15;24(24):6921-31. doi: 10.1093/hmg/ddv396.
   IF: 5,985 – citations: 46.

8. Perli E, Fiorillo A, Giordano C, **Pisano A**, Montanari A, Grazioli P, Campese AF, Di Micco P, Tuppen HA, Genovese I, Poser E, Preziuso C, Taylor RW, Morea V, Colotti G, d'Amati G. Short peptides from leucyl-tRNA synthetase rescue disease-causing mitochondrial tRNA point mutations. Hum Mol Genet. 2016 Mar 1;25(5):903-15. Doi: 10.1093/hmg/ddv619.
   IF: 5,340 – citations: 14.

9. **Pisano A**, Cerbelli B, Perli E, Pelullo M, Bargelli V, Preziuso C, Mancini M, He L, Bates MGD, Lucena JR, Della Monica PL, Familiari G, Petrozza V, Nediani C, Taylor RW, d'Amati G, Giordano C. Impaired mitochondrial biogenesis is a common feature to myocardial hypertrophy and end stage ischemic heart failure. Cardiovascular Pathology 2016 Mar-Apr;25(2):103-12. doi: 10.1016/j.carpath.2015.09.009.
   IF: 2,359 – citations: 44.

10. di Gioia CR, Giordano C, Cerbelli B, **Pisano A**, Perli E, De Dominicis E, Poscolieri B, Palmieri V, Ciallella C, Zeppilli P, d'Amati G. Nonischemic Left Ventricular Scar and Cardiac Sudden Death in the Young. Hum Pathol. 2016 Aug 25. pii: S0046-8177(16)30196-4. doi: 10.1016/j.humpath.2016.08.004.
    IF: 3,014 – citations: 27.

11. Antinozzi C, Corinaldesi C, Giordano C, **Pisano A**, Cerbelli B, Migliaccio S, Luigi LD, Stefanantoni K, Vannelli GB, Minisola S, Valesini G, Riccieri V, Lenzi A, Crescioli C. Potential role for the VDR agonist elocalcitol in metabolic control: Evidences in human skeletal muscle cells. Journal of Steroid

Biochemistry and Molecular Biology, 2017, 167, pp. 169–181. doi: 10.1016/j.jsbmb.2016.12.010.
IF: 4.095 – citations: 20.

12. Cerbelli B, **Pisano A**, Colafrancesco S, Pignataro MG, Biffoni M, Berni S, De Luca A, Riccieri V, Priori R, Valesini G, d'Amati G, Giordano C. Anti-aminoacyl-tRNA synthetase-related myositis and dermatomyositis: clues for differential diagnosis on muscle biopsy. Virchows Archiv, 2018, 472(3), pp. 477–487. doi: 10.1007/s00428-017-2269-x.
IF: 2.868 – citations: 3.

13. Gramegna LL, **Pisano A**, Testa C, Manners DN, D'Angelo R, Boschetti E, Giancola F, Pironi L, Caporali L, Capristo M, Valentino ML, Plazzi G, Casali C, Dotti MT, Cenacchi G, Hirano M, Giordano C, Parchi P, Rinaldi R, De Giorgio R, Lodi R, Carelli V, Tonon C. Cerebral Mitochondrial Microangiopathy Leads to Leukoencephalopathy in Mitochondrial Neurogastrointestinal Encephalopathy. American Journal of Neuroradiology, 2018, 39(3), pp. 427–434. doi: 10.3174/ajnr.A5507.
IF: 3.256 – citations: 11.

14. Botticelli A, Cerbelli B, Lionetto L, Zizzari I, Salati M, **Pisano A**, Federica M, Simmaco M, Nuti M, Marchetti P. Can IDO activity predict primary resistance to anti-PD-1 treatment in NSCLC? Journal of Translational Medicine, 2018, 16(1), 219. doi: 10.1186/s12967-018-1595-3.
IF: 4.098 – citations: 48.

15. Cerbelli B, Botticelli A, **Pisano A**, Campagna D, De Vincentiis L, Pernazza A, Frusone F, Scavina P, Monti M, Fortunato L, Costarelli L, d'Amati G. Breast cancer subtypes affect the nodal response after neoadjuvant chemotherapy in locally advanced breast cancer: Are we ready to endorse axillary conservation? Breast Journal, 2019, 25(2), pp. 273–277 doi: 10.1111/tbj.13206.
IF: 1.991 – citations: 5.

16. Musarò A, Dobrowolny G, Cambieri C, Onesti E, Ceccanti M, Frasca V, **Pisano A**, Cerbelli B, Lepore E, Ruffolo G, Cifelli P, Roseti C, Giordano C, Gori MC, Palma E, Inghilleri M. Neuromuscular magnetic stimulation counteracts muscle decline in ALS patients: results of a randomized, double-blind, controlled study. Scientific Reports, 2019, 9(1), 2837. doi: 10.1038/s41598-019-39313-z.
IF: 3.998 – citations: 4.

17. Perli E*, **Pisano A*,** Glasgow RIC, Carbo M, Hardy SA, Falkous G, He L, Cerbelli B, Pignataro MG, Zacara E, Re F, Della Monica PL, Morea V, Bonnen PE, Taylor RW, d'Amati G, Giordano C. (*****contributed equally). Novel compound mutations in the mitochondrial translation elongation factor (TSFM) gene cause severe cardiomyopathy with myocardial fibro-adipose replacement. Scientific Reports, 2019, 9(1), 5108. doi: 10.1038/s41598-019-41483-9.
IF: 3.998 – citations: 6.

18. Cerbelli B, Botticelli A, **Pisano A**, Pernazza A, Campagna D, De Luca A, Ascierto PA, Pignataro MG, Pelullo M, Rocca CD, Marchetti P, Fortunato L, Costarelli L, d'Amati G. CD73 expression and pathologic response to neoadjuvant chemotherapy in triple negative breast cancer. Virchows Archiv, 2020, 476(4), pp. 569–576; doi: 10.1007/s00428-019-02722-6.
IF: 4.064 – citations: 10.

19. Perli E*, **Pisano A***, Pignataro MG, Campese AF, Pelullo M, Genovese I, de Turris V, Ghelli AM, Cerbelli B, Giordano C, Colotti G, Morea V, d'Amati G. (*****contributed equally). Exogenous peptides are able to penetrate human cell and mitochondrial membranes, stabilize mitochondrial tRNA structures, and rescue severe mitochondrial defects. FASEB Journal, 2020, 34(6), pp. 7675–7686. doi: 10.1096/fj.201903270R.
IF: 5.191 – citations: 2.

20. Lombardi M, Lazzeroni D, **Pisano A**, Girolami F, Alfieri O, La Canna G, d'Amati G, Olivotto I, Rimoldi OE, Foglieni C, Camici PG. Mitochondrial Energetics and Ca2+-Activated ATPase in Obstructive Hypertrophic Cardiomyopathy. J. Clin. Med. 2020, 9, 1799; doi:10.3390/jcm9061799. IF: 4.241– citations: 1.

Part X– Publications selected for evaluation

1. Lombardi M, Lazzeroni D, **Pisano A**, Girolami F, Alfieri O, La Canna G, d'Amati G, Olivotto I, Rimoldi OE, Foglieni C, Camici PG. Mitochondrial Energetics and Ca2+-Activated ATPase in Obstructive Hypertrophic Cardiomyopathy. J. Clin. Med. 2020, 9, 1799; doi:10.3390/jcm9061799. IF: 4.241– citations: 1.

2. Perli E*, **Pisano A***, Pignataro MG, Campese AF, Pelullo M, Genovese I, de Turris V, Ghelli AM, Cerbelli B, Giordano C, Colotti G, Morea V, d'Amati G. (*****contributed equally). Exogenous peptides are able to penetrate human cell and mitochondrial membranes, stabilize mitochondrial tRNA structures, and rescue severe mitochondrial defects. FASEB Journal, 2020, 34(6), pp. 7675–7686. doi: 10.1096/fj.201903270R.
IF: 5.191 – citations: 2.

3. Cerbelli B, Botticelli A, **Pisano A**, Pernazza A, Campagna D, De Luca A, Ascierto PA, Pignataro MG, Pelullo M, Rocca CD, Marchetti P, Fortunato L, Costarelli L, d'Amati G. CD73 expression and pathologic response to neoadjuvant chemotherapy in triple negative breast cancer. Virchows Archiv, 2020, 476(4), pp. 569–576; doi: 10.1007/s00428-019-02722-6.
IF: 4.064 – citations: 10.

4. Perli E*, **Pisano A*,** Glasgow RIC, Carbo M, Hardy SA, Falkous G, He L, Cerbelli B, Pignataro MG, Zacara E, Re F, Della Monica PL, Morea V, Bonnen PE, Taylor RW, d'Amati G, Giordano C. (*****contributed equally). Novel compound mutations in the mitochondrial translation elongation factor (TSFM) gene cause severe cardiomyopathy with myocardial fibro-adipose replacement. Scientific Reports, 2019, 9(1), 5108. doi: 10.1038/s41598-019-41483-9.
IF: 3.998 – citations: 6.

5. Musarò A, Dobrowolny G, Cambieri C, Onesti E, Ceccanti M, Frasca V, **Pisano A**, Cerbelli B, Lepore E, Ruffolo G, Cifelli P, Roseti C, Giordano C, Gori MC, Palma E, Inghilleri M. Neuromuscular magnetic stimulation counteracts muscle decline in ALS patients: results of a randomized, double-blind, controlled study. Scientific Reports, 2019, 9(1), 2837. doi: 10.1038/s41598-019-39313-z.
IF: 3.998 – citations: 4.

6. Cerbelli B, Botticelli A, **Pisano A**, Campagna D, De Vincentiis L, Pernazza A, Frusone F, Scavina P, Monti M, Fortunato L, Costarelli L, d'Amati G. Breast cancer subtypes affect the nodal response after neoadjuvant chemotherapy in locally advanced breast cancer: Are we ready to endorse axillary conservation? Breast Journal, 2019, 25(2), pp. 273–277 doi: 10.1111/tbj.13206.
IF: 1.991 – citations: 5.

7. Botticelli A, Cerbelli B, Lionetto L, Zizzari I, Salati M, **Pisano A**, Federica M, Simmaco M, Nuti M, Marchetti P. Can IDO activity predict primary resistance to anti-PD-1 treatment in NSCLC? Journal of Translational Medicine, 2018, 16(1), 219. doi: 10.1186/s12967-018-1595-3.
IF: 4.098 – citations: 48.

8. Gramegna LL, **Pisano A**, Testa C, Manners DN, D'Angelo R, Boschetti E, Giancola F, Pironi L, Caporali L, Capristo M, Valentino ML, Plazzi G, Casali C, Dotti MT, Cenacchi G, Hirano M, Giordano C, Parchi P, Rinaldi R, De Giorgio R, Lodi R, Carelli V, Tonon C. Cerebral Mitochondrial Microangiopathy Leads to Leukoencephalopathy in Mitochondrial Neurogastrointestinal

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