CURRICULUM VITAE

PERSONAL INFORMATION

Name: **CLARICE PATRONO**

E-mail: **clarice.patrono@enea.it**
clarypat@gmail.com

Nationality: Italian

Date of birth: 12 OCTOBER 1968

WORK EXPERIENCE

December 2008 – today

• Employer's name and locality: **ENEA, Casaccia Research Center (Rome, Italy), Division of Health Protection Technologies, Laboratory of Health and Environment**

• Sector: Research organization

• Position: Research Scientist

• Main activities and responsibilities: Research activities in the field of cell biology and radiobiology. Studies of *in vitro* radiation-induced biological effects, particularly concerning the evaluation of cytogenetic damage, cell viability and cell death mechanisms. Analysis of *in vitro* effects of hyperthermia as radiosensitiser.
Molecular biology studies on the role of polymorphisms of DNA repair genes in cancer susceptibility and individual radiosensitivity.
Biomonitoring and retrospective biological dosimetry studies. Evaluation of cytogenetic damage in circulating lymphocytes of patients undergoing radiotherapy or targeted radionuclide therapy.

• Participation in research projects: From April 2020: Participation in the Multi-Year Project ***BioPhyMeTRE*** **"Novel Biologica! and Physical Methods for Triage in Radiological and Nuclear (RIN) Emergencies"** funded by NATO "Science for Peace and Security Programme"
2019: Participation in the Tender HOME Tor13 **"The preparation of a Biosecurity toolbox to strengthen European Biosecurity"** funded by the European Commission
2012-2015: Participation in the EU-EMRP Joint Research Project ***BioQuaRT*** **"Biologically weighted Quantities in radiotherapy"**
2012-2015: Participation in the experimental activities of the Coordination Action ***RENEB*** **"Realizing the European Network of Biodosimetry"** within the EU FP-7 (EURATOM Fission Programme)
2009-today: Participation in the national project ***TOP-IMPLART*** **"Intensity Modulated Proton Linear Accelerator for Radiotherapy",** funded by Regione Lazio.

• Participation in Working Groups: From 2020: Participation in the "Biosecurity: monitoring and surveillance measures" Working Group of the **"Italian National Committee for Biosafety, Biotechnology and Sciences of Life" - CNBBSV.**

January 2006 – December 2008

• Employer's name and locality: **"Fondazione Santa Lucia" (Rome, Italy), Laboratory of Neurogenetics**

• Sector: Scientific Institute for Research, Hospitalisation and Health Care (IRCCS)

• Position: Research fellow in experimental neurology

• Main activities and responsibilities: Laboratory and research activities on the molecular genetics of hereditary spastic paraplegias and on the role of genetic polymorphisms in neurodegenerative diseases.

April 2004 - December 2005

• Employer's name and locality: **San Raffaele Pisana (Rome, Italy), Laboratory of Molecular Biology**

• Sector: Scientific Institute for Research, Hospitalisation and Health Care (IRCCS)

• Position: Research Fellow

• Main activities and responsibilities: Collaboration with the Institute of Neurobiology and Molecular Medicine of the Italian national research council (CNR): study of oxidative stress and apoptosis on primary murine cells and human and murine cell lines.

	1997 – 2003
• Employer's name and locality	**Children's Hospital "Bambino Gesù" Rome, Italy**
• Sector	Scientific Institute for Research, Hospitalisation and Health Care (IRCCS), Laboratory of Molecular Medicine
• Position	Research grant
• Main activities and responsibilities	Participation in research projects on molecular diagnostics and genetics of mitochondrial and neurodegenerative diseases.
	2001
• Employer's name and locality	**Instituto de Investigaciones Biomédicas "Alberto Sols" CSIC-UAM (Madrid, Spain), Department of Biochemistry**
• Sector	University
• Position	Research fellow
• Main activities and responsibilities	Research activities in the fields of biochemistry, cell and molecular biology within the project "Upgrade in cellular systems of mtDNA-related disorders".
	1996 – 1997
• Employer's name and locality	**"BIOS" S.p.A. (Rome, Italy)**
• Sector	Centre of laboratory analysis and specialistic diagnostics
• Position	Consultant
• Main activities and responsibilities	Laboratory activities in the Molecular Biology Unit: molecular diagnostics of HCV, HBV, HIV, paternity testing.
	1990 – 1994
• Employer's name and locality	**University of Rome "La Sapienza" (Rome, Italy), Department of Biochemical Sciences**
• Sector	University
• Position	Student, fellow intern
• Main activities and responsibilities	Research activities in biochemistry, in the fields of enzyme and protein purification, peptide purification and sequencing, enzyme kinetics and inhibition.

EDUCATION AND TRAINING

	April-June 2020
• Education/Training organization's name and locality	ENEA – Online training course
• Qualification awarded	**Training course "Project Management e nuovi modelli di leadership".**
	February 2020
• Education/Training organization's name and locality	IVTECH - ENEA Casaccia Research Center (Rome, Italy)
• Qualification awarded	**IVTECH theoretical-practical course "12th Workshop on 3D advanced in-vitro Models"**
	June 2017
• Education/Training organization's name and locality	IRSN – Institut de Radioprotection et de Sûreté Nucléaire (Paris, France) - EURADOS
• Qualification awarded	**Training course "Uncertainty analysis for retrospective dosimetry and associated research"**
	2010
• Education/Training organization's name and locality	"University of Perugia" (Perugia, Italy), Department of Experimental Medicine and Biochemical Sciences
• Qualification awarded	**PhD in "Molecular Biology and Biotechnology"**
• PhD Thesis	"Molecular approaches for the genetic study of autosomal dominant forms of hereditary spastic paraplegia"

	2000
• Education/Training organization's name and locality	University of Rome "La Sapienza" (Rome, Italy)
• Principal subjects / skills acquired	**Biological Sciences**
• Qualification awarded	**Grant for the attendance of master classes abroad**
	1996
• Education/Training organization's name and locality	University of Rome "La Sapienza" (Rome, Italy)
• Qualification awarded	**Master Course in "Biotechnology"**
• Master's Thesis	"Design of an immunoenzymatic assay for the detection of gene mutations after *in vitro* DNA amplification: applications to cystic fibrosis and β-thalassemia"
	1994
• Education/Training organization's name and locality	University of Rome "La Sapienza" (Rome, Italy)
• Qualification awarded	**Professional qualification as biologist**
	1992
• Education/Training organization's name and locality	University of Rome "La Sapienza" (Rome, Italy)
• Qualification awarded	**Degree in Biological Sciences (110/100 cum laude)**
• Thesis	"Determination of the primary structure of the GABA-transaminase enzyme from pig liver"
PERSONAL SKILLS	
MOTHER TONGUE	**ITALIAN**
OTHER LANGUAGES	
	ENGLISH
• Reading	VERY GOOD
• Writing	VERY GOOD
• Speaking	GOOD
	SPANISH
• Reading	GOOD
• Writing	GOOD
• Speaking	GOOD
TECHNICAL SKILLS	**Biochemistry:** protein extraction and purification; chromatography, electrophoresis and spectrophotometry techniques; Western blot.
	Molecular biology: molecular diagnosis of genetic diseases with PCR, screening of point mutations and DNA automatic sequencing. Genotyping, genetic association studies and linkage analysis. Cloning of PCR fragments and human cDNA in procariotic and eucariotic vectors. Transient and stable transfections. Southern and Northern blot.
	Cell biology: maintenance and propagation of human and animal cell cultures. Study of apoptosis and oxidative stress in primary murine cells and in human and murine cell lines (determination of DNA Fragmentation, TUNEL assay, dosage of caspases). Cell viability and citotoxicity assays, clonogenic assay. Cell staining (Hoechst, Sybr gold, May-Grünwald and Giemsa) and immunofluorescence. Determination of chromosomal damage (chromosomal aberrations, micronuclei) induced by ionising and non-ionising radiation or genotoxic agents in human lymphocytes or cultured cells.
	Radiobiology: cell culture exposure to ionising radiations (x-rays, gamma rays, protons, alpha-particles); cell irradiation with ion microbeam. Cytogenetic assays used in biological dosimetry (Dicentric Chromosome Assay and Cytokinesis-Block Micronucleus Assay); retrospective dose reconstruction for indviduals accidentally exposed to ionising radiation.

PUBLICATIONS

1 Testa A, PATRONO C, Palma V, Kenzhina L, Mamyrbayeva A, Biyakhmetova D, Zhamaldinov F, Della Monaca S, Fattibene P, Quattrini MC, Maltar-Strmečki N, Erceg I, Vojnić Kortmiš M, Vidotto M, Bortolin E (2020). NATO Science for Peace and Security (SPS) project "BioPhyMeTRE": "Novel biological and physical methods for triage in radiological and nuclear (R/N) emergencies". Il nuovo cimento C, 43 (6). pp. 1-8. doi: 10.1393/ncc/i2020-20153-9

2 Picardi L, Ampollini A, Anello P, Balduzzi M, Bazzano G, Borgognoni F, Cisbani E, DAndrea M, De Angelis C, De Angelis G, Della Monaca S, Esposito G, Ghio F, Giuliani F, Lucentini M, Marino C, Montereali RM, Nenzi P, Notaro C, PATRONO C, Placido C, Piccinini M, Ronsivalle C, Santavenere F, Spurio A, Strigari L, Surrenti V, Tabocchini A, Trinca E, Vadrucci M (2020). Status and development of the TOP-IMPLART Project. arXiv:2010.05608 (preprint).

3 Testa A, Palma V, PATRONO C (2019). Chapter 5: Dicentric Chromosome Assay (DCA) and Cytokinesis-Block Micronucleus (CBMN) Assay in the Field of Biological Dosimetry. Dhawan A & Bajpayee M Eds. Genotoxicity Assessment. Methods and Protocols; Second Edition. Humana Press. METHODS MOL BIOL. 2031:p.105-119. doi: 10.1007/978-1-4939-9646-9_5

4 Testa A, Palma V, PATRONO C (2019). A NOVEL BIOLOGICAL DOSIMETRY ASSAY AS A POTENTIAL TOOL FOR TRIAGE DOSE ASSESSMENT IN CASE OF LARGE-SCALE RADIOLOGICAL EMERGENCY. RADIAT PROT DOSIMETRY. 186(1):9-11. doi: 10.1093/rpd/ncz001

5 Testa A, Ballarini F, Giesen U, Gil OM, Carante MP, Tello J, Langner F, Rabus H, Palma V, Pinto M, PATRONO C (2018). Analysis of Radiation-Induced Chromosomal Aberrations on a Cell by-Cell Basis after Alpha-Particle Microbeam Irradiation: Experimental Data and Simulations. RADIAT RES. 189(6):597-604. doi: 10.1667/RR15005.1

6 Pietraforte D, Paulicelli E, PATRONO C, Gambardella L, Scorza G, Testa A, Fattibene P (2018). Protein oxidative damage and redox imbalance induced by ionising radiation in CHO cells. FREE RADIC RES. 52(4):465-479. doi:10.1080/10715762.2018.1446529

7 Gaddini L, Balduzzi M, Campa A, Esposito G, Malchiodi-Albedi F, PATRONO C, Matteucci A (2018). Exposing primary rat retina cell cultures to γ-rays: An in vitro model for evaluating radiation responses. Exp Eye Res;166:21-28. doi: 10.1016/j.exer.2017.09.009

8 Franconi R, Testa A, Giovanetti A, Lopresto V, Pinto R, Turchi R, Iliano E, Massa S, PATRONO C, Palma V, Rinaldi A, Bartoleschi C, Pardini MC, Demurtas O, Cappelli M, Marino C (2017). CBRN Emergencies: Integrated Approach to Develop Innovative Technology and Training of Operators. BIOMEDICINE & PREVENTION, vol. 4 (PART 2); 133. DOI:10.19252/000000085

9 Kulka U, Abend M, Ainsbury E, Badie C, Barquinero JF, Barrios L, Beinke C, Bortolin E, Cucu A, De Amicis A, Domínguez I, Fattibene P, Frøvig AM, Gregoire E, Guogyte K, Hadjidekova V, Jaworska A, Kriehuber R, Lindholm C, Lloyd D, Lumniczky K, Lyng F, Meschini R, Mörtl S, Della Monaca S, Monteiro Gil O, Montoro A, Moquet J, Moreno M, Oestreicher U, Palitti F, Pantelias G, PATRONO C, Piqueret-Stephan L, Port M, Prieto MJ, Quintens R, Ricoul M, Romm H, Roy L, Sáfrány G, Sabatier L, Sebastià N, Sommer S, Terzoudi G, Testa A, Thierens H, Turai I, Trompier F, Valente M, Vaz P, Voisin P, Vral A, Woda C, Zafiropoulos D, Wojcik A (2017). RENEB - Running the European Network of biological dosimetry and physical retrospective dosimetry. INT J RADIAT BIOL, vol 93(1); p. 2-14. doi: 10.1080/09553002.2016.1230239

10 Brzozowska B, Ainsbury E, Baert A, Beaton-Green L, Barrios L, Barquinero JF, Bassinet C, Beinke C, Benedek A, Beukes P, Bortolin E, Buraczewska I, Burbidge C, De Amicis A, De Angelis C, Della Monaca S, Depuydt J, De Sanctis S, Dobos K, Domene MM, Domínguez I, Facco E, Fattibene P, Frenzel M, Monteiro Gil O, Gonon G, Gregoire E, Gruel G, Hadjidekova V, Hatzi VI, Hristova R, Jaworska A, Kis E, Kowalska M, Kulka U, Lista F, Lumniczky K, Martínez-López W, Meschini R, Moertl S, Moquet J, Noditi M, Oestreicher U, Orta Vázquez ML, Palma V, Pantelias G, Montoro Pastor A, PATRONO C, Piqueret-Stephan L, Quattrini MC, Regalbuto E, Ricoul M, Roch-Lefevre S, Roy L, Sabatier L, Sarchiapone L, Sebastià N, Sommer S, Sun M, Suto Y, Terzoudi G, Trompier F, Vral A, Wilkins R, Zafiropoulos D, Wieser A, Woda C, Wojcik A (2017). RENEB accident simulation exercise. INT J RADIAT BIOL, vol. 93(1); p. 75-80. doi: 10.1080/09553002.2016.1206230

11 Ainsbury E, Badie C, Barnard S, Manning G, Moquet J, Abend M, Antunes AC, Barrios L, Bassinet C, Beinke C, Bortolin E, Bossin L, Bricknell C, Brzoska K, Buraczewska I, Castaño CH, Čemusová Z, Christiansson M, Cordero SM, Cosler G, Monaca SD, Desangles F, Discher M, Dominguez I, Doucha-Senf S, Eakins J, Fattibene P, Filippi S, Frenzel M, Georgieva D, Gregoire E, Guogyte K, Hadjidekova V, Hadjiiska L, Hristova R, Karakosta M, Kis E, Kriehuber R, Lee J, Lloyd D, Lumniczky K, Lyng F, Macaeva E, Majewski M, Vanda Martins S, McKeever SW, Meade A, Medipally D, Meschini R, M'kacher R, Gil

OM, Montero A, Moreno M, Noditi M, Oestreicher U, Oskamp D, Palitti F, Palma V, Pantelias G, Pateux J, PATRONO C, Pepe G, Port M, Prieto MJ, Quattrini MC, Quintens R, Ricoul M, Roy L, Sabatier L, Sebastià N, Sholom S, Sommer S, Staynova A, Strunz S, Terzoudi G, Testa A, Trompier F, Valente M, Hoey OV, Veronese I, Wojcik A, Woda C (2017). Integration of new biological and physical retrospective dosimetry methods into EU emergency response plans - joint RENEB and EURADOS inter-laboratory comparisons. INT J RADIAT BIOL, vol. 93(1); p.99-109. doi: 10.1080/09553002.2016.1206233

12 PATRONO C, Sterpone S, Testa A, Verna A, Palma V, Gentile P, Cozzi R (2015). Polymorphisms in X-Ray Repair Cross-Complementing Group 1 Gene: Haplotypes, Breast Cancer Risk and Individual Radiosensitivity. OPEN MEDICINE JOURNAL, vol 2; p. 25-30 ISSN: 1874-2203

13 PATRONO C, Monteiro Gil O, Giesen U, Langner F, Pinto M, Rabus H, Testa A (2015). 'BioQuaRT' project: design of a novel in situ protocol for the simultaneous visualisation of chromosomal aberrations and micronuclei after irradiation at microbeam facilities. RADIATION PROTECTION DOSIMETRY, vol 166; p. 197-9. ISSN 0144-8420, doi: 10.1093/rpd/ncv160

14 PATRONO C, Sterpone S, Testa A, Cozzi R (2014). Polymorphisms in base excision repair genes: Breast cancer risk and individual radiosensitivity. WORLD JOURNAL OF CLINICAL ONCOLOGY, vol 5; p. 874-82. ISSN 2218-4333, doi: 10.5306/wjco.v5.i5.874

15 Cornetta T, PATRONO C, Terrenato I, De Nigris F, Bentivoglio AR, Testa A, Palma V, Poggioli T, Padua L, Cozzi R (2013). Epidemiological, clinical, and molecular study of a cohort of Italian Parkinson disease patients: association with glutathione-S-transferase and DNA repair gene polymorphisms. CELLULAR AND MOLECOLAR NEUROBIOLOGY, vol 33; p. 673-80. ISSN 0272-4340, doi: 10.1007/s10571-013-9933-8

16 Orlacchio A, Babalini C, Borreca A, PATRONO C., Massa R, Basaran S, Munhoz R P., Rogaeva E A., St George-Hyslop P H., Bernardi G, Kawarai T (2010). SPATACSIN mutations cause autosomal recessive juvenile amyotrophic lateral sclerosis. BRAIN, vol. 133; p. 591-598, ISSN: 0006-8950, doi: 10.1093/brain/awp325

17 Sterpone S, Mastellone V, Padua L, Novelli F, PATRONO C., Cornetta T, Giammarino D, Donato V, Testa A, Cozzi R (2010). Single-nucleotide polymorphisms in BER and HRR genes, XRCC1 haplotypes and breast cancer risk in Caucasian women. JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY, vol. 136; p. 631-636, ISSN: 0171-5216, doi: 10.1007/s00432-010-0791-1

18 Pippucci T, Panza E, Pompilii E, Donadio V, Borreca A, Babalini C, PATRONO C., Zuntini R, Kawarai T, Bernardi G, Liguori R, Romeo G, Montagna P, Orlacchio A, Seri M (2009). Autosomal recessive hereditary spastic paraplegia with thin corpus callosum: a novel mutation in the SPG11 gene and further evidence for genetic heterogeneity. EUROPEAN JOURNAL OF NEUROLOGY, vol. 16; p. 121-126, ISSN: 1351-5101, doi: 10.1111/j.1468-1331.2008.02367.x

19 Orlacchio A, PATRONO C., Gaudiello F, Rocchi C, Moschella V, Floris R, Bernardi G, Kawarai T (2008). Silver syndrome variant of hereditary spastic paraplegia - A locus to 4p and allelism with SPG4. NEUROLOGY, vol. 70; p. 1959-1966, ISSN: 0028-3878, doi: 10.1212/01.wnl.0000294330.27058.61

20 Orlacchio A, PATRONO C., Borreca A, Babalini C, Bernardi G, Kawarai T (2008). Spastic paraplegia in Romania: high prevalence of SPG4 mutations. JOURNAL OF NEUROLOGY, NEUROSURGERY AND PSYCHIATRY, vol. 79; p. 606-607, ISSN: 0022-3050, doi: 10.1136/jnnp.2007.128827

21 Orlacchio A, PATRONO C, Orlacchio A, St George-Hyslop PH, Bernardi G, Kawarai T (2006). Clinical and genetic studies on autosomal dominant hereditary spastic paraplegia. Online publication: www.siicsalud.com

22 Bornstein B, Mas JA, PATRONO C., Fernandez-Moreno MA, Gonzalez-Vioque E, Campos Y, Carrozzo R, Martin MA, del Hoyo P, Santorelli FM, Arenas J, Garesse R (2005). Comparative analysis of the pathogenic mechanisms associated with the G8363A and A8296G mutations in the mitochondrial tRNA(Lys) gene. BIOCHEMICAL JOURNAL, vol. 387; p. 773-778, ISSN: 0264-6021, doi: 10.1042/BJ20040949

23 Montagna G, Di Biase A, Cappa M, Melone MA, Piantadosi C, Colabianchi D, PATRONO C, Attori L, Cannelli N, Cotrufo R, Salvati S (2005). Identification of seven novel mutations in ABCD1 by a DHPLC-based assay in Italian patients with X-linked adrenoleukodystrophy Identification of seven novel mutations in ABCD1 by a DHPLC-based assay in Italian patients with X-linked adrenoleukodystrophy. HUMAN MUTATIOM. Vol. 25 (2), p. 222. doi: 10.1002/humu.9303

24 Patrono C, Scarano V, Cricchi F, Melone MA, Chiriaco M, Napolitano A, Malandrini A, De Michele G, Petrozzi L, Giraldi C, Santoro, L., Servidei, S., Casali, C., Filla, A., Santorelli, F.M (2005). Autosomal dominant hereditary spastic paraplegia: DHPLC-based mutation analysis of SPG4 reveals eleven novel mutations HUMAN MUTATION, Vol. 25 (5), p. 506. doi: 10.1002/humu.9340

25 Bertini E, PATRONO C, Dionisi-Vici C, Francalanci P, Fogli A, Eymard-Pierre E, Santorelli FM, Boespflug-Tanguy O (2004). Chapter 8: Experience on two recently discovered forms of undetermined leukodystrophy. Uziel G. & Taroni F. Eds. Hereditary Leukoencephalopathies and Demyelinating Neuropathies in Children. John Libbey Eurotext, Montrouge, France. Mariani Foundation Paediatric Neurology Series: 12; p. 79-86.

26 PATRONO C (2004). Megalencephalic-cystic leukodystrophy. Orphanet Encyclopedia. Patrono C. Megalencephalic-cystic leukodystrophy. Orphanet Encyclopedia. Online publication: www.orpha.net

.

27 Siciliano G, Pasquali L, Manca ML, Del Corona A, Tessa A, Patrono C, Prontera C, Zucchelli G, Santorelli FM (2003). The relationship between anaerobic lactate threshold and plasma catecholamines during incremental exercise in hereditary spastic paraplegia. FUNCTIONAL NEUROLOGY, vol. 18(2), p. 83-87, ISSN:0393-5264.

28 PATRONO C., Di Giacinto G, Eymard-Pierre E, Santorelli FM, Rodriguez D, De Stefano N, Federico A, Gatti R, Benigno V, Megarbane A, Tabarki B, Boespflug-Tanguy O, Bertini E (2003). Genetic heterogeneity of megalencephalic leukoencephalopathy and subcortical cysts. NEUROLOGY, vol. 61; p. 534-537, ISSN: 0028-3878, doi: 10.1212/01.WNL.0000076184.21183.CA

29 Tessa A, Casali C, Damiano M, Bruno C, Fortini D, PATRONO C, Cricchi F, Valoppi M, Nappi G, Amabile GA, Bertini E, Santorelli FM (2002). An additional family carrying a new atlanti mutation. NEUROLOGY, vol. 59; p. 2002-2005, ISSN: 0028-3878, doi: 10.1212/01.WNL.0000036902.21438.98

30 PATRONO C., Dionisi-Vici C, Giannotti A, Bembi B, Digilio MC, Rizzo C, Purificato C, Martini C, Pierini R, Santorelli FM (2002). Two novel mutations of the human Delta 7-sterol reductase (DHCR7) gene in children with Smith-Lemli-Opitz syndrome. MOLECULAR AND CELLULAR PROBES, vol. 16; p. 315-318, ISSN: 0890-8508, doi: 10.1006/mcpr.2002.0426

31 Valente EM, Brancati F, Caputo V, Bertini E, PATRONO C., Costanti D, Dallapiccola B (2002). Novel locus for autosomal dominant pure hereditary spastic paraplegia (SPG19) maps to chromosome 9q33-q34. ANNALS OF NEUROLOGY, vol. 51; p. 681-685, ISSN: 0364-5134, doi: 10.1002/ana.10204

32 PATRONO C., Casali C, Tessa A, Cricchi F, Fortini D, Carrozzo R, Siciliano G, Bertini E, Santorelli FM (2002). Missense and splice site mutations in SPG4 suggest loss-of-function in dominant spastic paraplegia. JOURNAL OF NEUROLOGY, vol. 249; p. 200-205, ISSN: 0340 5354, doi: 10.1007/PL00007865

33 Carrozzo R, Tessa A, Vazquez-Memije ME, Piemonte F, PATRONO C., Malandrini A, Dionisi Vici C, Vilarinho L, Villanova M, Schagger H, Federico A, Bertini E, Santorelli F (2001). The T9176G mtDNA mutation severely affects ATP production and results in Leigh syndrome. NEUROLOGY, vol. 56; p. 687-690, ISSN: 0028-3878, doi: 10.1212/WNL.56.5.687

34 Piemonte F, Casali C, Carrozzo R, Schagger H, PATRONO C., Tessa A, Tozzi G, Cricchi F, Di Capua M, Siciliano G, Amabile GA, Morocutti C, Bertini E, Santorelli FM (2001). Respiratory chain defects in hereditary spastic paraplegias. NEUROMUSCULAR DISORDERS, vol. 11; p. 565-569, ISSN: 0960-8966, doi: 10.1016/S0960-8966(01)00214-0

35 Tessa A, Carbone I, Matteoli MC, Bruno C, PATRONO C, Patera IP, De Luca F, Lorini R, Santorelli FM (2001). Identification of Novel WFS1 Mutations in Italian Children With Wolfram Syndrome. HUMAN MUTATION, 17(4), p. 348-349. doi: 10.1002/humu.32

36 Santorelli FM, PATRONO C., Fortini D, Tessa A, Comanducci G, Bertini E, Pierallini A, Amabile GA, Casali C (2000). Intrafamilial variability in hereditary spastic paraplegia associated with an SPG4 gene mutation. NEUROLOGY, vol. 55; p. 702-705, ISSN: 0028-3878, doi: 10.1212/WNL.55.5.702

37 Santoro L, Carrozzo R, Malandrini A, Piemonte F, PATRONO C., Villanova M, Tessa A, Palmeri S, Bertini E, Santorelli FM (2000). A novel SURF1 mutation results in Leigh syndrome with peripheral neuropathy caused by cytochrome c oxidase deficiency. NEUROMUSCULAR DISORDERS, vol. 10; p. 450-453, ISSN: 0960-8966, doi: 10.1016/S0960-8966(99)00122-4

38 Tessa A, PATRONO C., Santorelli FM, Giannotti A, Digilio MC, Pacifico C, Presuttari F, Tieri L (2000). Rapid detection of the 35delG mutation in the GJB2 gene in childhood deafness. JOURNAL OF MEDICAL SCREENING, vol. 7; p. 167, ISSN: 0969-1413, doi: 10.1136/jms.7.3.167

39 PATRONO C., Rizzo C, Tessa A, Giannotti A, Borrelli P, Carrozzo R, Piemonte F, Bertini E, Dionisi-Vici C, Santorelli FM (2000). Novel 7-DHCR mutation in a child with Smith-Lemli-Opitz syndrome. AMERICAN JOURNAL OF MEDICAL GENETICS, vol. 91; p. 138-140. ISSN:0148-7299, doi: 10.1002/(SICI)1096-8628(20000313)91:2<138::AID-AJMG12>3.0.CO;2-Q

40 Santorelli FM, Piemonte F, Carrozzo R, Tessa A, PATRONO C., Tozzi G, Bertini E (2000). OXPHOS and mtDNA alterations in a family with spastic paraparesis. ACTA NEUROLOGICA SCANDINAVICA, vol. 101; p. 255-258. ISSN: 0001-6314, doi: 10.1034/j.1600-0404.2000.101004255.x

41 Giannotti A, Tessa A, PATRONO C, De Florio L, Velardo M, Dionisi-Vici C, Bertini E, Santorelli FM (2000). A novel CBFA1 mutation (R190W) in an Italian family with cleidocranial dysplasia. HUMAN MUTATION, vol. 16, Issue 3, p. 277. doi: 10.1002/1098-1004(200009)16:3<277::AID-HUMU25>3.0.CO;2-V

PUBLISHED CONFERENCE ABSTRACTS

Strigari L, Dini V, Ungania S Testa A, Balduzzi M, Soriani A, Marconi R, Sciuto R, PATRONO C, Palma v, Tabocchini MA (2018). Biological effects evaluation in peripheral blood lymphocytes from patients undergoing radium-223 chloride (223RaCl2) therapy. 2nd European Congress of Medical Physics 2008, Copenhagen, Denmark. PHYSICA MEDICA, Vol. 52 (s.1); p. 64-65, doi: 10.1016/j.ejmp.2018.06.240

Dini V, Testa A, PATRONO C, Balduzzi M, Palma V, Sciuto R, Soriani A, Strigari L, Marconi R, Tabocchini MA (2018). Biological effects evaluation in peripheral blood lymphocytes from patients undergoing radium-223 (223RaCl2) therapy. Associazione Italiana di Fisica Medica, 10th National Congress 2018, Bari. PHYSICA MEDICA, Vol. 56(S.2); p. 115, doi: 10.1016/j.ejmp.2018.04.096

PATRONO C, Lopresto V, Balduzzi M, Leter G, Piccirillo P, Testa A, Palma V, Marino C (2018). U-251 human glioblastoma cell line model to study hyperthermia as radiosensitizer. 32nd Annual Meeting of the European Society for Hyperthermic Oncology 2018, Berlin. STRAHLENTHER ONKOL vol. 194, pp. 489–490, doi: 10.1007/s00066-018-1295-1

Orlacchio A, Babalini C, PATRONO C., Montieri P, Varlese M L, Borreca A, Moschella V, Mercuri N B, Bernardi G, Kawarai T (2009). ALS phenotypes with mutations in SPG11. 13th International Congress of Parkinson's Disease and Movement Disorders 2009, Paris, France. MOVEMENT DISORDERS, vol. 24(s.1); p. S151, ISSN: 0885-3185

Orlacchio A, Borreca A, PATRONO C., Babalini C, Mercuri N B, Bernardi G, Kawarai T (2008). Autosomal recessive juvenile ALS associated with spatacsin mutations. 12th International Congress of Parkinson's Disease and Movement Disorders 2008, MOVEMENT DISORDERS, vol. 23; p. S48, ISSN: 0885-3185

Orlacchio A, Babalini C, Varlese ML, PATRONO C, Borreca A, Esposito Z, Sancesario G, Orlacchio A, Kawarai T (2008). ASSOCIATION STUDY OF THE APOA1 GENE IN AN ITALIAN POPULATION WITH ALZHEIMER'S DISEASE. Alzheimer's Association International Conference on Alzheimer's Disease 2008, Chicago, IL. ALZHEIMER'S & DEMENTIA, vol. 4 (s. 4), p. T593, doi: 10.1016/j.jalz.2008.05.1815

Orlacchio A, Massini C, Tiribuzi R, Costanzi E, Makrypidi G, Mattoli F, Esposito Z, PATRONO C, Miele ML, Maiotti M, Sancesario G, Zampolini M, Orlacchio A, Martino S (2008). IDENTIFICATION OF BIOCHEMICAL MARKERS FOR THE DIAGNOSIS OF ALZHEIMER'S DISEASE IN PATIENTS AFFECTED BY TYPE II DIABETES. Alzheimer's Association International Conference on Alzheimer's Disease 2008, Chicago, IL. ALZHEIMER'S & DEMENTIA, vol. 4 (s. 4), p. T335, doi: 10.1016/j.jalz.2008.05.977

Orlacchio A, Miele M, PATRONO C, Borreca A, Varlese M, Babalini C, Dionisi L, Moschella V, Orlacchio A, Bernardi G, Kawarai T (2007). Association of APOE ε4 Allele with Vascular Dementia in Italian Population. Alzheimer's disease: new advanced. 10th International conference on and related disorders (Madrid, 16-20 July 2006). Medimond.

Orlacchio A, PATRONO C., Gaudiello F, Moschella V, Borreca A, Orlacchio A, Floris R, Bernardi G, Kawarai T (2007). Silver syndrome variant of hereditary spastic paraplegia: Identification of a novel locus. 11th International Congress of Parkinson's Disease and Movement Disorders 2007, Istanbul, Turkey. MOVEMENT DISORDERS, vol. 22(s.16); p. S2, ISSN: 0885-3185.

Orlacchio An, PATRONO C., Gaudiello F, Borreca A, Moschella V, Orlacchio Al, Floris R, Bernardi G, Kawarai T (2007). A new locus for the Silver syndrome variant of hereditary spastic paraplegia. 17th Meeting of the European Neurological Society 2007, Rhodes, Greece. JOURNAL OF NEUROLOGY, vol. 254 (s.3); p. 19-20, ISSN: 0340-5354, doi: 10.1007/s00415-007-3001-6

Orlacchio An, PATRONO C., Borreca A, Babalini C, Dionisi L, Moschella V, Orlacchio Al, Bernardi G, Kawarai T (2006). Clinical and genetic study of two Italian families with silver syndrome. 16th Meeting of the European Neurological Society 2006, Lausanne, Switzerland. JOURNAL OF NEUROLOGY, vol. 253 (s.2); p. 51-51, ISSN: 0340-5354, doi: 10.1007/s00415-006-2001-2

Orlacchio A, PATRONO C., Borreca A, Babalini C, Dionisi L, Moschella V, Orlacchio A, Bernardi G, Kawarai T (2006). Clinical and genetic findings of two Italian kindreds with Silver syndrome. 10th International Congress of Parkinson's Disease and Movement Disorders 2006, Kyoto, Japan. MOVEMENT DISORDERS, vol. 21(s15); p. S412, ISSN: 0885-3185.

Deodato F, Rizzo C, Waterham HR, Santorelli F, PATRONO C, Wanders RJA, Boenzi S, Giannotti A, Dionisi-Vici C (2002). Atypical Smith-Lemli-Opitz syndrome (SLOS) with normal circulating sterols and high residual enzyme activity. Society for the Study of Inborn Errors of Metabolism, 40th Annual Symposium 2002, Dublin. Journal of Inherited Metabolic Disease, vol. 25 (s.1): p. 164. doi: 10.1023/A:1016120125723

Grossi A, Boenzi S, PATRONO C, Rizzo C, Santorelli FM, Cotugno G, Dionisi-Vici C (2002).Overt adrenal insufficiency in a child with Smith-Lemli-Opitz syndrome (SLOS). Society for the Study of Inborn Errors of Metabolism, 40th Annual Symposium 2002, Dublin. Journal of Inherited Metabolic Disease vol. 25 (s.1): p. 164. doi: 10.1023/A:1016120125723

Fortini D, Casali C, Tessa A, Damiano M, PATRONO C., Cricchi F, Bernedetti L, Amabile GA, Bertini E, Santorelli FM (2002). A single-base insertion in SPG3A is associated with autosomal dominant hereditary spastic paraplegia. 52nd Annual Meeting of the American Society of Human Genetics, Baltimore, MD. AMERICAN JOURNAL OF HUMAN GENETICS, vol. 71; p. 516, ISSN: 0002-9297

Caputo V, Brancati F, Valente E, Bertini E, PATRONO C., Santorelli F, Salvi S, Pizzuti A, Dallapiccola B (2002). Linkage analysis in an Italian family affected by autosomal dominant pure hereditary spastic paraplegia. EUROPEAN HUMAN GENETICS CONFERENCE 2002, Strasbourg. EUROPEAN JOURNAL OF HUMAN GENETICS, vol. 10, s. 1; p. 265, ISSN: 1018-4813

PATRONO C., Cricchi F, Fortini D, Tessa A, Tozzi G, Piemonte F, Carrozzo R, Bertini E, Comanducci G, Casall C, Santorelli FM (2000). Hereditary spastic paraplegias in Italian families: Clinical and molecular investigations. 50th Annual Meeting of the American Society of Human Genetics, Philadelphia, PA, 2000. AMERICAN JOURNAL OF HUMAN GENETICS, vol. 67; p. 375. ISSN: 0002-9297

Carrozzo R, Tessa A, Piemonte F, Chichierchia G, PATRONO C., Capuano O, Dionisi-Vici C, Bertini E, Santorelli FM (2000). A novel mtDNA mutation (T9176G) hampers ATP production and results in Leigh syndrome. 50th Annual Meeting of the American Society of Human Genetics, Philadelphia, PA, 2000. AMERICAN JOURNAL OF HUMAN GENETICS, vol. 67; p. 280. ISSN: 0002-9297

Carrozzo R, Piemonte F, Casali C, Tozzi G, PATRONO C., Tessa A, Bertini E, Santorelli FM (1999). Respiratory-chain enzyme activities in muscle from HSP patients. 49th Annual Meeting of the American Society of Human Genetics, San Francisco, CA, 1999. AMERICAN JOURNAL OF HUMAN GENETICS, vol. 65; A232. ISSN: 0002-9297

Santorelli FM, Vici CD, Giannotti A, Bertini E, Rizzo C, PATRONO C., Tessa A, Piemonte F, Carrozzo R (1999). A novel 7-DHCR mutation in a Lebanese child with Smith-Lemli-Opitz syndrome. ATHEROSCLEROSIS, vol. 144, s1; p. 21-22, ISSN: 0021-9150, doi: 10.1016/S0021-9150(99)80079-3