

PERSONAL INFORMATION

Name	LUCIO PASTORE
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Nationality	Italian
DOB	09/01/1968

WORK EXPERIENCE

<i>Dates</i>	May 2023 until today
<i>Employer</i>	Task Force Human & Future
<i>Type of business</i>	Academic
<i>Occupation of position held</i>	Member
<i>Main activities and responsibilities</i>	Organization and participation of academic activities
<i>Dates</i>	October 2022 until today
<i>Employer</i>	Pharmatech Academy, University of Naples Federico II
<i>Type of business</i>	Academic
<i>Occupation of position held</i>	Member of the management board
<i>Main activities and responsibilities</i>	Organization of the training activities
<i>Dates</i>	November 2021 until today
<i>Employer</i>	CEINGE-Biotecnologie Avanzate Franco Salvatore s.c.a r.l.
<i>Type of business</i>	Academic Institute
<i>Occupation of position held</i>	Member of the board of administration
<i>Main activities and responsibilities</i>	Management of the center activities
<i>Dates</i>	November 2021 until today
<i>Employer</i>	Frontiers in Molecular Medicine
<i>Type of business</i>	Scientific journal
<i>Occupation of position held</i>	Associate Editor
<i>Main activities and responsibilities</i>	Editor of scientific manuscript
<i>Dates</i>	April 2019 until today
<i>Employer</i>	Kimera srl
<i>Type of business</i>	Startup
<i>Occupation of position held</i>	Founder
<i>Main activities and responsibilities</i>	Scientific Advisor
<i>Dates</i>	July 2018 until 05/2021
<i>Employer</i>	Centro Interuniversitario di Studio della longevità, delle malattie genetiche e multifattoriali e dei loro modelli animali e cellulari
<i>Type of business</i>	Research Center
<i>Occupation of position held</i>	Director
<i>Main activities and responsibilities</i>	Management of the center activities
<i>Dates</i>	July 2017- April 2018
<i>Employer</i>	CEINGE-Biotecnologie Avanzate Franco Salvatore s.c.a r.l.
<i>Type of business</i>	Research Institute
<i>Occupation of position held</i>	Member of the board of administration and Vice-President
<i>Main activities and responsibilities</i>	Management of the center activities
<i>Dates</i>	July 2016 until 11/2022
<i>Employer</i>	Università di Napoli Federico II
<i>Type of business</i>	University
<i>Occupation of position held</i>	Coordinator of the Corso di Laurea Magistrale in Biotecnologie Mediche (MASTER)
<i>Main activities and responsibilities</i>	Coordination of teaching activities
<i>Dates</i>	May 2016 until today
<i>Employer</i>	CEINGE-Biotecnologie Avanzate s.c.a r.l.
<i>Type of business</i>	Academic research Institute
<i>Occupation of position held</i>	R&D Director
<i>Main activities and responsibilities</i>	Management and scientific coordination of relationship with biotech companies
<i>Dates</i>	October 2014 – now

<i>Employer</i>	AOU Federico II
<i>Type of business</i>	University Hospital
<i>Occupation of position held</i>	Coordinator and Manager of the Interdepartmental program of "Cytogenetics, cytogenomics and development of innovative technologies for gene and cell therapy"
<i>Main activities and responsibilities</i>	Management and coordination of diagnostic activities of cytogenetics and CGH array laboratories
<i>Dates</i>	November 2009 - December 2013
<i>Employer</i>	Centro di ricerca per lo studio di malattie genetiche (ereditarie ed acquisite) dell'uomo e loro modelli cellulari e animali, Università di Napoli Federico II
<i>Type of business</i>	University
<i>Occupation of position held</i>	Director
<i>Main activities and responsibilities</i>	Management of the center activities and scientific director
<i>Dates</i>	Novembre 2005 until today
<i>Employer</i>	Dipartimento di Medicina Molecolare e Biotecnologie Mediche (previously Facoltà di Medicina e Chirurgia), Università di Napoli Federico II
<i>Type of business</i>	University
<i>Occupation of position held</i>	Full Professor of Clinical Biochemistry and Clinical Molecular Biology
<i>Main activities and responsibilities</i>	Teaching activities at the School of Medicine; Mentorship for students' dissertations
<i>Dates</i>	November 2005 until today
<i>Employer</i>	Scuola Europea di Medicina Molecolare (SEMM), Università di Napoli Federico II
<i>Type of business</i>	Academic Program
<i>Occupation of position held</i>	Professor
<i>Main activities and responsibilities</i>	Teaching activities in the PhD program in Molecular Medicine
<i>Dates</i>	Aprile 2004 until today
<i>Employer</i>	CEINGE-Biotecnologie Avanzate Franco Salvatore s.c.a r.l.
<i>Type of business</i>	Academic research Institute
<i>Occupation of position held</i>	Group Leader
<i>Main activities and responsibilities</i>	Coordination of a research group
<i>Dates</i>	November 2001 - November 2005
<i>Employer</i>	Facoltà di Scienze Biotecnologiche, Università di Napoli Federico II
<i>Type of business</i>	University
<i>Occupation of position held</i>	Associate Professor of Clinical Biochemistry and Clinical Molecular Biology
<i>Main activities and responsibilities</i>	Teaching activities in the School of Medicine; Mentorship for students' dissertations
<i>Dates</i>	January 2000 - November 2001
<i>Employer</i>	Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, TX, USA
<i>Type of business</i>	College
<i>Occupation of position held</i>	Assistant Professor in Human Genetics
<i>Main activities and responsibilities</i>	Coordination of a research group
<i>Dates</i>	November 1995 - January 2000
<i>Employer</i>	Department of Molecular and Human Genetics, Baylor College of Medicine, Houston, TX, USA
<i>Type of business</i>	College
<i>Occupation of position held</i>	Post-doctoral fellow
<i>Main activities and responsibilities</i>	Research activities

INSTRUCTION AND TRAINING

<i>Dates</i>	1992-1996
<i>Name and type of organisation providing education and training</i>	Dipartimento di Biochimica e Biotecnologie Mediche, Università di Napoli "Federico II"
<i>Principal subjects/occupational skills</i>	Biochemical Sciences
<i>Title of qualification awarded</i>	PhD
<i>Dates</i>	1986-1992
<i>Name and type of organisation providing education and training</i>	Facoltà di Medicina e Chirurgia, Università di Napoli Federico II
<i>Principal subjects/occupational skills</i>	Experimental thesis in Clinical Molecular Biology
<i>Title of qualification awarded</i>	MD degree

SCIENTIFIC SOCIETIES

<i>Dates</i>	1998-now
<i>Name of the scientific society</i>	American Society of Gene and Cell Therapy (ASGCT)
<i>Positions held</i>	Member; member of the "Cardiovascular gene therapy" committee
<i>Dates</i>	2001-now

<i>Name of the scientific society</i>	Società Italiana di Biochimica e Biologia Molecolare Clinica (SIBIOC)
<i>Positions held</i>	Member
<i>Dates</i>	2006-now
<i>Name of the scientific society</i>	European Society of Gene and Cell Therapy (ESGCT)
<i>Positions held</i>	Member
<i>Dates</i>	2023-now
<i>Name of the scientific society</i>	Società Nazionale di Scienze, Lettere e Arti; Accademia di Scienze Mediche e Chirurgiche
<i>Positions held</i>	Corresponding Member
<i>Dates</i>	2026-now
<i>Name of the scientific society</i>	Società Italiana di Terapia Genica e Cellulare (SITGEC)
<i>Positions held</i>	Member

PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE	ITALIAN
OTHER LANGUAGES	
<i>Reading skills</i>	EXCELLENT
<i>Writing skills</i>	EXCELLENT
<i>Verbal skills</i>	EXCELLENT
SOCIAL SKILLS AND COMPETENCES	TEACHING AND SCIENTIFIC COMMUNICATION. PARTICIPATION TO THE UNIVERSITY OF NAPLES FEDERICO II OFFICIAL GROUP DEDICATED TO KNOWLEDGE EXPLOITATION POLICIES.
ORGANISATIONAL SKILLS AND COMPETENCES	COORDINATION OF RESEARCH GROUP AT NATIONAL AND INTERNATIONAL LEVELS. MANAGEMENT OF RESEARCH CENTERS AND ORGANIZATION OF PERSONNEL AND INFRASTRUCTURES AT SCIENTIFIC AND ADMINISTRATIVE LEVEL. MANAGEMENT OF RESEARCH GRANTS FUNDED AT NATIONAL AND INTERNATIONAL LEVEL. COORDINATION OF MASTER COURSES. ORGANIZATION OF EVENTS FOR INNOVATIVE STARTUP AND PROJECT AWARDS
TECHNICAL SKILLS AND COMPETENCES	DIRECTION OF A RESEARCH LAB AND COORDINATION OF RESEARCH ACTIVITIES RELATED TO THE DEVELOPMENT OF GENE THERAPY STRATEGIES FOR ATHEROSCLEROSIS TREATMENT DIRECTION OF A RESEARCH LAB AND COORDINATION OF RESEARCH ACTIVITIES RELATED TO GENE THERAPY AND BONE REGENERATION DIRECTION OF A RESEARCH LAB AND COORDINATION OF RESEARCH ACTIVITIES RELATED TO THE DEVELOPMENT OF ONCOLYTIC ADENOVIRUSES AND MODULATION OF FACTORS INFLUENCING THE OUTCOME OF THIS STRATEGY (MICROBIOME, FASTING, ETC.) DIRECTION OF A DIAGNOSTIC LAB INVOLVED IN CGH-ARRAY ANALYSIS AND NGS WHOLE EXOME SEQUENCING FOR THE DIAGNOSIS OF DEVELOPMENTAL DISORDERS DIRECTION OF A DIAGNOSTIC LAB INVOLVED IN MICROBIOME ANALYSIS EVALUATOR FOR MAJOR NATIONAL AND INTERNATIONAL BASIC AND TRANSLATIONAL RESEARCH GRANTS (ITALY, GEORGIA, LATVIA, FINLAND) DIRECTION OF TECHNOLOGICAL PLATFORMS (ADENOVIRUS DEVELOPMENT AND PRODUCTION FACILITY) ADVANCED SOFTWARE USER (OFFICE, GRAPHIC, DATABASE, OTHERS) PATENT WRITING AND IN BIOTECHNOLOGY STARTUP DEVELOPMENT IN BIOTECHNOLOGY CERTIFIED INSPECTOR FOR IN-VITRO FERTILIZATION CENTERS FOR THE CENTRO NAZIONALE TRAPIANTI
ARTISTIC SKILLS AND COMPETENCES	MUSICAL ACTIVITIES (DRUMS)
OTHER SKILLS AND COMPETENCES	SAILING
DRIVING LICENSE	DRIVING LICENSE, TYPE B, CAR AND MOTORCYCLE. BOATING LICENSE WITHIN 12 MILES.
ADDITIONAL INFORMATION	REFERENCES: BRENDAN LEE, MD, PH.D., PROFESSOR, DEPARTMENT OF MOLECULAR AND HUMAN GENETICS, BAYLOR COLLEGE OF MEDICINE, 1 BAYLOR PLAZA, HOUSTON TX, USA. PROF. FRANCESCO SALVATORE, EMERITUS PROFESSOR OF HUMAN BIOCHEMISTRY, UNIVERSITÀ DI NAPOLI "FEDERICO II" VINCENZO CERULLO, PHD, PROFESSOR, DIVISION OF PHARMACEUTICAL BIOSCIENCES, UNIVERSITY OF HELSINKI, HELSINKI, FINLAND.

Lucio Pastore is author of more than 130 original articles or reviews on peer-reviewed journals and has obtained and over 10 competitive research grants. He has carried most of his research activities on gene therapy of metabolic diseases with a particular focus on genetically determined forms of atherosclerosis using chemically modified-adenoviral vectors; more recently he has been involved in the development of novel oncolytic vaccines based on adenoviral vectors and identification of determinants modulating their efficacy, focusing on microbiota research. He has contributed to the identification of the role of specific bacteria in the development or modulation of other diseases.

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ANNEX

Awards

Franci@innovazione 2015 Award from the French Embassy for the Innovative Translational Ideas.

"Nunzio Pascale" 2006 award for young Investigators

Lyndon B. Johnson Award for the project R0060002Y (Helper-dependent adenoviral vectors expressing apolipoprotein A-I for atherosclerosis gene therapy) evaluated as best research project in its category funded by the American Heart Association, Texas Affiliate, in the year 2000.

Membership in scientific Societies

American Society of Gene Therapy and Cell Therapy - ASGCT

Società Italiana di Biochimica Clinica e Biologia Molecolare Clinica – SIBIOC

European Society of gene and cell therapy - ESGCT

Società Nazionale di Scienze, Lettere e Arti (Accademia di Scienze Mediche e Chirurgiche) – Corresponding Member

Società Italiana di Terapia Genica e Cellulare – SITGEC

Teaching Activities

Laboratory Medicine Course (Italian and English language) in the MD Degree programs at the University of Napoli Federico II from 2004 until now

Gene therapy course the Medical Biotechnology Master program at the University of Napoli Federico II from 2004 until now

Clinical Biochemistry in Dentistry Degree course

Lessons in the Residency schools of Neuropsichiatria infantile and Patologia Clinica e Biochimica Clinica

Research grants

2000-2001 Principal Investigator of the research project R0060002Y (Helper-dependent adenoviral vectors expressing apolipoprotein A-I for atherosclerosis gene therapy) funded as Beginner Grant-in-Aid from the American Heart Association, Texas Affiliate

2002-2004 Principal Investigator of the "Progetto di Rilevante Interesse Nazionale (PRIN)" entitled "Adenoviral-mediated expression of bone morphogenetic protein-2 for bone regeneration".

2002-2005 Progetto DM11/05 entitled "Diagnostica e Terapia innovativa di malattie emolinfoproliferative"

2003-2004 Progetto Regione Campania grant entitled "gene-activated matrices"

2005-2007 Principal Investigator of the "Progetto di Rilevante Interesse Nazionale (PRIN)" entitled "Development of novel methodologies for atherosclerosis gene therapy"

2004-2009 Principal Investigator of a Telethon foundation grant entitled "Helper-dependent adenoviral vectors for Familial Hypercholesterolemia gene therapy"

2008-2011 Progetto Regione Campania entitled "Analysis of the role of different growth factors in bone fracture and application to therapy of discontinuous bone defects."

2009-2012 Principal Investigator of the "Progetto di Rilevante Interesse Nazionale (PRIN)" entitled "Identification of genes involved in pre-osteoblast proliferation and their involvement in the pathogenesis of osteosarcomas"

2012-2016 Principal Investigator of the "Progetto di Rilevante Interesse Nazionale (PRIN)" entitled "Development of new strategies for regenerative medicine"

2018-2021 SATIN for oncology platforms from Regione Campania

2023-now Investigator of the "Progetto di Rilevante Interesse Nazionale (PRIN) 2022 entitled "Assessment of clinical, genetic and biochemical determinants of cardiovascular risk to improve the treatment of Familial Hypercholesterolemia"

2023-now Principal Investigator of the "Progetto di Rilevante Interesse Nazionale (PRIN) 2023-PNRR entitled "Development of innovative therapeutic strategies for the treatment of Familial Hypercholesterolemia"

2023-2026 Investigator of the "**Piano Nazionale di Ripresa e Resilienza (PNRR)**", in the **National Center for Gene Therapy and Drugs based on RNA Technology**, spoke 8 "**Platform for DNA/RNA delivery**", Work Package 8.1.3 "Oncolytic adenovirus multimodal "nanomachines" delivering shRNA" and/or cDNA rewiring the tumor microenvironment

Patents

US 60/385,244 Modulation of TNF alpha signaling to decrease acute toxicity and thrombocytopenia associated with adenovirus gene therapy – 31 May 2002;

USPTO Application n. 17/422,586 - Chimeric protein and related genic transfer technology – inventor – approved on september 12, 2024

Papers, Proceedings and Chapters of books:

Book

L. Sacchetti, P. cavalcanti, G. Fortunato, **L. Pastore**, F. Rossano, D. Salvatore, F. Scopacasa
Laboratory Medicine and Genetic Diagnostics (It.) Medicina di Laboratorio e Diagnostica Genetica. Ed. Sorbona, 2006, Napoli.

Chapters of books:

G. Fortunato, E. Vuttariello, **L. Pastore**, L. Sacchetti and F. Salvatore
Genetic identification: DNA fingerprint. In: G. Geraci, "New frontiers of biology" pp. 53-56. Ed. CUEN, 1990, Naples.

F. Salvatore, **L. Pastore**

Application of PCR for personal identification. In: "Diagnostic applications of PCR", A. Albertini, E. Bombardieri, P. Bonini, F. Salvatore Eds., pp. 73-76. Edizioni Biomedica, 1993, Milan. [Italian]

L. Pastore

"La genomica per comprendere le diversità" in "La diversità nelle sue diversità" di C. Giannini. Ed. Giannini, 2016, Napoli.

V. D'Argenio, B. Lombardo, F. Salvatore, **L. Pastore**

"Applicazione delle scienze "OMICHE" in laboratorio. In "Biochimica Clinica e Medicina di Laboratorio" di M. Ciaccio e G. Lippi. Ed Edises, 2017.

D'Argenio, V., Lombardo, B., Nunziato, M., Pastore, L.

Applications of "Omics" Sciences in the Laboratory in "Clinical and Laboratory Medicine Textbook", 2024, pp. 683–691

Proceedings from Meetings:

G. Fortunato, E. Vuttariello, **L. Pastore**, L. Sacchetti and F. Salvatore

Individual fingerprinting by recombinant DNA methodologies. Biochim. Clin., 1990, vol. 14, n. 13, pp. 1510-1512. [Italian]

F. Salvatore, **L. Pastore**, L. Sacchetti

DNA typing in clinical biochemistry: theory and applications. In: "Biologie Perspective", M.M. Galteau, G. Siest, J. Henny Eds., 1993, pp. 53-58.

F. Salvatore, **L. Pastore** and L. Sacchetti.

DNA analysis in personal identification and determination of familial relationship. Proceedings of the First Egyptian-Italian Symposium in Biotechnology, Egypt 1994, pp. 15-25.

B. Lee, K. Thirunavukkarasu, L. Zhou, **L. Pastore**, A. Baldini, J. Hecht, V. Geoffroy, P. Ducey, G. Karsenty

Gene structure and mutations in the osteoblast-specific transcription factor CBFA1/OSF2 in cleidocranial dysplasia.

American Journal of Human Genetics. 1997; 61 (4) 1979.

Giuseppe Aceto ; Antonio Montieri ; Valerio Persico ; Antonio Pescapé ; Valeria D'Argenio ; Francesco Salvatore ; Lucio Pastore
A First Look at an Automated Pipeline for NGS-Based Breast-Cancer Diagnosis: The CArDIGAN Approach
2017 Proceedings - 12th International Conference on Signal Image Technology and Internet-Based Systems, SITIS 2016

Journal Articles:

F. Pane, S. Buttò, M.L. Gobbo, M. Franco, C. Butcheroni, **L. Pastore**, G. Maiorano, M. Foggia, P. Tullio Cataldo, A. Guarino, E. Tamburrini, S. Solinas, M. Piazza, G. Vecchio, P. Verani, F. Salvatore

Direct detection of proviral *gag* segment of HIV In peripheral blood lymphocytes by a colorimetric PCR assay as a clinical laboratory tool applied to different at-risk populations. J Clin Microbiol 1995; 33 (3) 641-647.

L. Pastore, M. G. Caporaso, G. Frisso, A. Orsini, L. Santoro, L. Sacchetti and F. Salvatore

A Quantitative Polymerase Chain Reaction (PCR) Assay Completely Discriminates between Duchenne and Becker Muscular Dystrophy Deletion Carriers and Normal Females. Mol Cell Probes 1996; 10 (2) 129-37.

L. Pastore, E. Vuttariello, C. Sarrantonio, I. Coto, S. Roviello, G. Fortunato, F. Salvatore and L. Sacchetti

Allele frequency distributions at several variable number of tandem repeat (VNTR) and short tandem repeat (STR) loci in a restricted Caucasian population from Southern Italy and their evaluation for paternity and forensic use. Mol Cell Probes 1996; 10 (4) 299-308.

L. Sacchetti, C. Sarrantonio, **L. Pastore**, V. Carlino, G. Calcagno, A. Ferrajolo and F. Salvatore

Rapid identification of HLA DQA1*0501, DQB1*0201 and DRB1*04 alleles in celiac disease by a PCR-based methodology. Clinical Chemistry. 1997; 43 (11) 2204-2206.

M. Cipollaro, U. Galderisi, G. Iacomino, G. Galano, G. Di Bernardo, G. Lus, R. Cotrufo, A. Orsini, L. Santoro, **L. Pastore**, C. Sarrantonio, F. Salvatore and A. Cascino

CTG repeat number in the nonaffected allele of myotonic dystrophy patients is not critical for disease expression. Human Biology. 1997; 69 (6) 887-890.

B. Lee, K. Thirunavukkarasu, L. Zhou, **L. Pastore**, A. Baldini, J. Hecht, V. Geoffroy, P. Ducy, G. Karsenty

Missense mutations abolishing DNA binding of the osteoblast-specific transcription factor OSF2/CBFA1 in cleidocranial dysplasia. Nature Genetics. 1997; 16 (3) 307-310.

L. Pastore, R. Della Morte, G. Frisso, D. Vitale, A. Zagari, F. Alfinito, B. Rotoli and F. Salvatore

Molecular Analysis of Pyruvate Kinase Deficiency in Southern Italian Patients. Human Mutation. 1998; 11 (2) 127-134.

L. Santoro, **L. Pastore**, P. G. Rippa, A. V. Orsini, E. Del Giudice, G. Vita, G. Frisso and F. Salvatore

Dystrophinopathy in a young boy with Klinefelter's syndrome. Muscle & Nerve, 1998; 21 (6) 792-795.

B. Lee, J. A. Dennis, P. J. Healy, B. Mull, **L. Pastore**, H. Yu, E. Aguilar-Cordova, W. O'Brien, P. Reeds and A. L. Beaudet

Hepatocyte gene therapy in a large animal, neonatal bovine model of Citrullinemia. Proc. Natl. Acad. Sci. USA. 1999; 96, 3981-3986.

L. Pastore, N. Morral, H. Zhou, R. Garcia, R. J. Parks, S. Kochanek, F. L. Graham, B. Lee and A. L. Beaudet

Use of a liver-specific promoter reduces immune response to the transgene in adenoviral vectors. Human Gene Therapy. 1999; 10, 1773-1781.

Zou L., Zhou H., **L. Pastore** and Yang K.

Prolonged transgene expression mediated by a Helper-Dependent Adenoviral vector (hdAd) in the central nervous system. Mol Ther 2000; 2, 105-113

K. Oka, **L. Pastore**, I. H. Kim, A. Merched, S. Nomura, H. J. Lee, M. Merched-Sauvage, C. Arden-Riley, B. Lee, M. Finegold, A. Beaudet and L. Chan.

Long-term stable correction of low-density lipoprotein receptor- deficient mice with a helper-dependent adenoviral vector expressing the very low-density lipoprotein receptor. Circulation. 2001; 103 (9) 1274-81.

H. Zhou, T. Zhao, **L. Pastore**, M. Nageh, W. Zheng, X. M. Rao and A. L. Beaudet.
A Cre-Expressing Cell Line and an E1/E2a Double-Deleted Virus for Preparation of Helper-Dependent Adenovirus Vector. Mol Ther. 2001; 3 (4) 613-22.

G. Toietta, **L. Pastore**, V. Cerullo, M. Finegold, A.L. Beaudet and B. Lee.
Generation of helper-dependent adenoviral vectors by homologous recombination. Molecular Therapy. 2002; 5 (2): 204-210.

H. Zhou, **L. Pastore** and A.L. Beaudet.
Helper-dependent adenoviral vectors. Methods Enzymol. 2002; 346: 177-98.

G. Frisso, S. Sampaolo, **L. Pastore**, A. Carlomagno, R.M. Calise, G. Di Iorio, and F. Salvatore.
Novel deletion at the M and P promoters of the human dystrophin gene associated with a Duchenne muscular dystrophy. Neuromuscul Disord. 2002 Jun;12(5):494-7.

L.M. Belalcázar, A. Merched, B. Carr, K. Oka, K.H. Chen, **L. Pastore**, A. Beaudet, L. Chan
Long-term stable expression of human apolipoprotein A-I mediated by helper-dependent adenovirus gene transfer inhibits atherosclerosis progression and remodels atherosclerotic plaques in a mouse model of familial hypercholesterolemia. Circulation. 2003 Jun 3;107(21):2726-32. Epub 2003 May 12.

L. Pastore, M. Belalcázar, K. Oka, R. Cela, B. Lee, L. Chan and A.L. Beaudet.
Helper-dependent adenoviral vector-mediated long-term expression of human Apolipoprotein A-I inhibits atherosclerosis in apo E-deficient mice. Gene. 2004 Mar 3; 327(2): 153-160

G. Iaccarino, M. Ciccarelli, E. Cipolletta, D. Sorriento, V. Cerullo, M. Annechiarico, G.L. Iovino, A. Paudice, A. Elia, O. Arcucci, **L. Pastore**, F. Salvatore, G. Condorelli, B. Trimarco
AKT-1 transfer to the endothelium corrects impaired endothelial-dependent vasorelaxation in hypertensive rats. Circulation. 2004 Jun 1;109(21):2587-93.

M. A. Croyle, H. Le, K. Linse, X. Ming, V. Cerullo, G. Toietta, A. L. Beaudet and **L. Pastore**
PEGylated Helper-Dependent Adenoviral Vectors: Highly Efficient Vectors with an Enhanced Safety Profile. Gene Therapy. 2005; 12(7):579-87

G. Iaccarino, M. Ciccarelli, D. Sorriento, G. Galasso, A. Campanile, G. Santulli, E. Cipolletta, V. Cerullo, V. Cimini, G. G. Altobelli, F. Piscione, O. Priante, **L. Pastore**, M. Chiariello, F. Salvatore, W. J. Koch, B. Trimarco
Ischemic neoangiogenesis enhanced by beta2-adrenergic receptor overexpression: a novel role for the endothelial adrenergic system. Circ Res. 2005; 97(11):1182-9.

Vecchione C, Aretini A, Marino G, Bettarini U, Poulet R, Maffei A, Sbroggio M, **Pastore L**, Gentile MT, Notte A, Iorio L, Hirsch E, Tarone G, Lembo G.
Selective Rac-1 inhibition protects from diabetes-induced vascular injury. Circ Res. 2006 Feb 3;98(2):218-25.

Mane VP, Toietta G, McCormack WM, Conde I, Clarke C, Palmer D, Finegold MJ, **Pastore L**, Ng P, Lopez J, Lee B.
Modulation of TNFalpha, a determinant of acute toxicity associated with systemic delivery of first-generation and helper-dependent adenoviral vectors. Gene Ther. 2006 Sep;13(17):1272-80.

Savarino L, Baldini N, Greco M, Capitani O, Pinna S, Valentini S, Lombardo B, Esposito MT, **Pastore L**, Ambrosio L, Battista S, Causa F, Zeppetelli S, Guarino V, Netti PA.
The performance of poly-epsilon-caprolactone scaffolds in a rabbit femur model with and without autologous stromal cells and BMP4. Biomaterials. 2007 Jul;28(20):3101-9.

Ciccarelli M, Cipolletta E, Santulli G, Campanile A, Pumiglia K, Cervero P, **Pastore L**, Astone D, Trimarco B, Iaccarino G.
Endothelial beta(2) adrenergic signaling to AKT: Role of G(i) and SRC. Cell Signal. 2007 Sep;19(9):1949-55.

Illario M, Giardino-Torchia ML, Sankar U, Ribar TJ, Galgani M, Vitiello L, Masci AM, Bertani FR, Ciaglia E, Astone D, Maulucci G, Cavallo A, Vitale M, Cimini V, **Pastore L**, Means AR, Rossi G, Racioppi L.
Calmodulin-dependent kinase IV links Toll-like receptor 4 signaling with survival pathway of activated dendritic cells. *Blood*. 2008 Jan 15;111(2):723-31.

Ciccarelli M, Santulli G, Campanile A, Galasso G, Cerv   P, Altobelli GG, Cimini V, **Pastore L**, Piscione F, Trimarco B, Iaccarino G.
Endothelial α (1)-adrenoceptors regulate neo-angiogenesis. *Br J Pharmacol*. 2008 153(5): 936-46.

Parisi S, Passaro F, Aloia L, Manabe I, Nagai R, **Pastore L**, Russo T.
Klf5 is required to maintain mouse embryonic stem cells in an undifferentiated state. *Journal of Cell Science* 2008 121: 2629-34.

Mazzaccara C, Labruna G, Cito G, Scarf   M, De Felice M, **Pastore L**, Sacchetti L.
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Invited speaker

Molecular diagnosis of Duchenne muscular dystrophy: development of methodologies for rapid prenatal and carrier diagnosis. Oral communication in: "DNA e malattie ereditarie", Naples, June 10, 1993. [Italian]

Laser scan devices for quantitative PCR. Residential course in laboratory medicine CEFAR Florence, 2/9/93. [Italian]

DNA in personal identification. VI international meeting of European Communities Biologists Association "The role of biology at the beginning of the 21st century", Riccione (FO), 23-26 September 1993, Abs pag. 6. [Italian]

Duchenne muscular dystrophy diagnosis. Annual meeting SIB Nucleotides and Nucleic Acids Group, Caserta 24-25 March 1994. [Italian]

Molecular genetic diagnosis of hereditary neuromuscular diseases. VII international meeting of European Communities Biologists Association "Integrated approach at the modern biology", Vieste (FG), 22-25 September 1994. [Italian]

Automation and robotics for detection of known and unknown mutations. XXVI Meeting of the Italian Society of Clinical Biochemistry and Molecular Biology (SIBIOC). Montecatini, 3-5 October 1994. Biochim. Clin. 1994; 18: 105. [Italian]

Quantitative PCR. Residential course in laboratory medicine CEFAR, Assisi, 13/9/95. [Italian]

Identification of point mutations. XXVII Meeting of the Italian Society of Clinical Biochemistry and Molecular Biology (SIBIOC). Riva del Garda, 6-8 October 1995. [Italian]

Muscular dystrophies. XXVII Meeting of the Italian Society of Clinical Biochemistry and Molecular Biology (SIBIOC). Riva del Garda, 6-8 October 1995. [Italian]

Helper-dependent adenoviral vectors for atherosclerosis gene therapy. Clinbio 2001, Capri, 13-15 September 2001 [Italian].

Helper-dependent adenoviral vectors for atherosclerosis gene therapy. Bioeurope 2002 - European conference on Gene Therapy and Vaccines, Rome, 23-25 May 2002.

Adenoviral-mediated increase of HDL or gene therapy of atherosclerosis. Clinbio 2002, Capri, 30 May-2 June 2002 [Italian]

Terapia genica: presente e futuro. 1° Congresso Regionale della Società Italiana di Biochimica Clinica e Biologia Molecolare Clinica (SIBioC) - Sezione Sicilia. Palermo, 7-8 October 2004 [Italian]

Stato della ricerca scientifica nello studio dei fattori di crescita. Consensus conference sulle moderne tecniche chirurgiche in ortopedia e traumatologia. Castel Volturno (NA) 9-10 september 2005 [Italian]

Genetically modified mesenchymal stem cells for bone regeneration. CLINBIO 2005 -12th European Conference of Clinical Molecular Biology. Napoli, 11-12 November 2005

La medicina rigenerativa delle ossa. La diagnostica integrata nella gestione delle cefalee e dell'osteoporosi. Napoli, 11-12 November 2005 [Italian]

Nuovi approcci terapeutici: terapia genica e cellulare. Diagnostica e terapia molecolare delle malattie genetiche ad elevato impatto sociale. Campobasso, October 28, 2006 [Italian]

Mesenchymal stem cells for bone repair. Stem cells in the third millennium: current and future medical applications. Napoli, November 16, 2006

Le nuove frontiere delle terapie biotecnologiche. La medicina di Laboratorio: Attualità e prospettive. Agrigento, October 8-10, 2008 [Italian]

Cellule staminali per terapia rigenerativa. Osteoporosi: tra certezze e speranze. Vicenza, October 20, 2008 [Italian]

Regenerative therapies- LA MEDICINA DI LABORATORIO NELLA SENESCENZA - 3° CONGRESSO INTERREGIONALE SIBIOC CAMPANIA, SARDEGNA E SICILIA. Napoli, 29-30 September 2011

Disturbi pervasivi dello sviluppo – La genetica ci aiuta a capire meglio - ARGONAUTI XIII - L'approdo alla terra delle sirene. Sorrento (NA), 25-26 maggio 2012

CGHa for the diagnosis of metabolic diseases. Le Giornate Mediterranee di Medicina di Laboratorio – 4° Congresso Interregionale SIBIOC Campania, Sardegna e Sicilia. Sorrento (NA), 9-11 ottobre 2013

Controllo epigenetico del differenziamento mesenchimale e sue applicazioni. 5 congresso Interregionale SIBIOC - Il supporto multidisciplinare della Medicina di Laboratorio: dalla ricerca alla clinica – Ragusa Ibla, 4-5 Dicembre 2014

Terapia genica delle dislipidemie. Congresso regionale SISA sezione Campania – Le dislipidemie: nuove frontiere nella diagnosi e nella terapia. Napoli. 29 Gennaio 2015

Clinical trials for cellular therapies. UNESCO Chair in Bioethics 11th World Conference - Bioethics, Medical ethics and Health law- Napoli, 20-22 Ottobre 2015

TECNOLOGIE EMERGENTI E LABORATORIO: LA GENOMICA. XX CONGRESSO REGIONALE MULTIDISCIPLINARE DI MEDICINA DI LABORATORIO – Chieti. 25-26 Ottobre 2016

La Medicina rigenerativa. MEDLab 2020 – Roma. 3 Luglio 2016

I microRNA nella pratica clinica. Le nuove traiettorie della Medicina di Laboratorio. Roma. 10 Giugno 2016

New Frontiers in cancer therapy: potential role of oncolytic viruses. Innovation in pneumology – Naples, October 20-22, 2022.

New Frontiers in cancer therapy: potential role of oncolytic viruses. Innovation in pneumology – Naples, October 12-14, 2023.

LE PROSPETTIVE DELLA TERAPIA GENICA NELLA CURA DELLE DISLIPIDEMIE. Congresso Nazionale della Società Italiana per lo Studio dell'Aterosclerosi – Napoli, November 26-28, 2024.

Terapia Genica. Congresso Regionale della Società Italiana per lo Studio dell'Aterosclerosi – Napoli, December 13, 2024.

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