Curriculum vitae
Dr. Lidia de Bari

Personal Information:

Date of Birth: [redacted]
Place of Birth: [redacted]
Work address: Institute of Biomembranes, Bioenergetics and Molecular Biotechnologies (IBIOM), National Research Council (CNR), Via G. Amendola 122/O, 70126 Bari, Italy.
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Author of 35 publications in international indexed and peer-reviewed journals and 2 book chapters.
-H-index Scopus: 22; Total citations Scopus: 1248
-H-index Web of Science (WoS): 22; Total citations WoS: 1156
-H-index Google Scholar: 23; Total citations Google Scholar: 1564

Academic Career and Professional Experiences:

2008-today: Researcher at Institute of Biomembranes, Bioenergetics and Molecular Biotechnologies (IBIOM) – Italian National Research Council (CNR), Bari, Italy.
2007: Research Assistant. Department of Health Sciences - University of Molise, Campobasso – Italy.
2003-2006: Degree of Specialist in Biotechnologies, *cum laude* -University of Bari, Bari- Italy. Thesis title: "Cellular bioenergetics of cerebellar granule cells apoptosis".
2005-2006: Research Assistant. Institute of Biomembranes and Bioenergetics - CNR, Bari- Italy.
2004-2006: Research Assistant. Department of Health Sciences – University of Molise, Campobasso - Italy.
2003-2004: Postdoctoral Research Fellow. Institute of Biomembranes and Bioenergetics - CNR, Bari- Italy.
2002-2003: Research assistant. Department of Animal, Plat and Environmental Sciences (SAVA)- University of Molise, Campobasso, Italy.
1998-2002: PhD Degree in Biochemistry and Molecular Biology -University of Bari, Bari- Italy. Thesis title: "Transport and metabolism of lactate isomers in isolated mitochondria".
1998: Degree in Biological Sciences, *cum laude*. University of Bari, Bari- Italy. Thesis title: "Glutamate neurotoxicity in rat cerebellar granule cells: effects on the energetic metabolism".

Research interests:

- Mitochondrial metabolism under pathophysiological conditions.
- Cancer metabolism. Identification of metabolic targets and detection of the molecular mechanisms of action of metabolic anticancer drugs in order to elaborate novel and more effective drug combinations
- Metabolic aberrations in cystic fibrosis
- Role of mitochondria in intellectual disability-related diseases
- Bioenergetics of cerebellar granule cells undergoing apoptosis

Collaborations:

Cancer metabolism.
Prof. Cinzia Antognelli, Dipartimento di Medicina e Chirurgia, Università di Perugia, Perugia.

Prof. Tatiana Armeni, Dipartimento di Scienze Cliniche, Sezione di Biochimica, Biologia e Fisica – Università Politecnica delle Marche, Montedago, Ancona.
Prof. Miklos Kalapos, Theoretical Biology Research Group, Budapest, Hungary.
Prof. Vito Pesce, Dipartimento Di Bioscienze, Biotecnologie E Biofarmaceutica, Università di Bari, Bari.

Effect of natural or newly synthesized metabolic drugs on cultured cancer cells.
Dr. Volodymyr Sukach, Institute of Organic Chemistry National Academy of Sciences of Ukraine, Kyiv, Ukraine.
Dr. Gabriella Arcangela Manente, Dipartimento di Scienze Farmaceutiche, Università del Piemonte Orientale "A. Avogadro", Novara.
Prof. Vito Pesce, Dipartimento Di Bioscienze, Biotecnologie E Biofarmaceutica, Università di Bari, Bari.

Mitochondrial bioenergetics, oxidative stress, cell metabolism and protective effect of compounds of natural origin in Down syndrome, Rett syndrome and fragile X syndrome.
Dr. Maria Vincenza Catania e Dr. Simona D'Antoni, Institute for Biomedical Research and Innovation (IRIB), CNR, Catania;
Dr. Bianca De Filippis, Dipartimento di Biologia cellulare e Neuroscienze, Istituto Superiore di Sanità, Roma;
Dr. Anna Signorile, Dipartimento di Scienze Mediche di base, Neuroscienze e Organi di Senso, Università di Bari, Bari;
Dr. Andrea Contestabile, Dipartimento di Neuroscienze e Tecnologie del Cervello, Genova, Italy.

Metabolic aberrations in cystic fibrosis.
Prof. Lorenzo Guerra, Dipartimento di Bioscienze, Biotecnologie e Biofarmaceutica, Università di Bari, Bari.
Dr. Maria Favia, Dipartimento di Bioscienze, Biotecnologie e Biofarmaceutica, Università di Bari, Bari.

Transport and metabolism of physiological substrates in plant and mammalian mitochondria:
Prof. Salvatore Passarella, Dipartimento di Scienze Animali, Vegetali e dell'Ambiente (SAVA)-Università degli Studi del Molise;
Prof. Giovanni Principato, Istituto di Biologia e Genetica, Facolta' di Medicina e Chirurgia, Universita' di Ancona, Ancona;
Prof. Tatiana Armeni, Dipartimento di Scienze Cliniche, Sezione di Biochimica, Biologia e Fisica – Università Politecnica delle Marche, Montedago, Ancona.

Bioenergetics of cell apoptosis in primary cultured rat cerebellar cells.
Prof. Pietro Calissano, Istituto di Neurobiologia e Medicina Molecolare - CNR, Roma.

Editorial roles, referee activity and memberships:

Guest Editor of Cancers (MDPI) (IF: 6.639 (2020); 5-Year Impact Factor: 6.999 (2020)
Special Issue: 'The role of lactate isomers in cancer' (Ongoing)
Web site: https://www.mdpi.com/journal/cancers/special_issues/lactate_isomers

Member of the European Association for Cancer Research (EACR).

Member of REPRISE (Register of the Scientific Experts established at the Italian Ministry of Education, University and Research), for the section Basic Research.

Referee for the evaluation of Projects of Significant National Interest (PRIN), for Italian Ministry of Education, University and Research (MIUR);

Referee for the following indexed journals:
CANCER LETTERS, CANCERS, CELLS, BIOFACTORS, ACS Chemical Neuroscience, ONCOLOGY LETTERS.

Most recent funded Projects:

Project title: "TITAN - Nanotecnologie per l'immunoterapia dei tumori"- Project Code: ARS01_00906
Funding Source: Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)
Scientific Responsible: Prof. Giulio Caracciolo, Sapienza University of Rome
Beginning and end dates: 2021-2023
Role in the project: Co-Investigator (IBIOM Unit).

Project title: "Innovative Devices For SHAping the RIsk of Diabetes (IDF SHARID)", Project Code: ARS01_01270.
Funding Source: Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)
Role in the project: Co-Investigator (IBIOM Unit).
PI name: Francesco Béguinot, IEOS - CNR, Unit Genomics of Diabetes;
Beginning and end dates: 2018-2022

Project title: Oxidative stress and mitochondrial dysfunctions in Down Syndrome. Project Code: 1093-VR2012B
Funding Source: Jérôme Lejeune Foundation (Paris)
Role in the project: Co-Investigator
PI name: Dr. R.A. Vacca, IBIOM, CNR, Bari
Beginning and end dates: 2013-2016

Project title: "FaReBio di Qualità - Farmaci e reti Biotecnologiche di Qualità"
Funding Sources: MEF (Ministero dell'Economia e delle Finanze) and CNR (National Council of Research)
Beginning and end dates: 2011-2016
PI name: MariaStella Zanini, IEOS, CNR, Napoli.
Role: Co-Investigator

Project title: FIRB-MERIT "Development of new biomolecules as potential tools for the diagnosis and treatment of thyroid tumors. Determination of the involvement of mitochondrial homeostasis in neoplastic transformation and apoptosis" project code: RBNE08YFN3_005.
Funding Source: Ministero dell'Istruzione, dell'Università e della Ricerca (MIUR)
Beginning and end dates: 2011-2015
PI name: Vittorio de Franciscis, IEOS, CNR, Napoli
Role: Co-Investigator

Teaching activity:

Dr. de Bari has been supervisor of experimental degree theses in Biochemistry for undergraduates of:

- the degree course in Health and Pharmaceutical Biotechnology, Faculty of Biotechnological Sciences, Univ. of Bari, Bari;

- degree course in Cellular and Molecular Biology, Faculty of Mathematical, Physical and Natural Sciences, Univ. of Bari, Bari;
- degree course in Food Science and Technology, Faculty of Agriculture, University of Molise, Campobasso.
- degree course in Medical Biotechnology and Molecular Medicine, Dept. of Biosciences, biotechnologies e bioinformatics, Univ. of Bari, Bari;

National and International congresses and workshops:

Speaker at Workshop "Influenza delle beta-endorfine sugli scambi di calcio. Meccanismi biologici controllati dall'associazione farmacologica Calcio-Naloxone", Faculty of Medicine and Surgery – Policlinico di Bari, Bari. 25-11-1998 al 25-11-1998.
Title of the communication: "Neurotossicità da glutammato e Calcio-Naloxone".

Speaker at Gruppo Italiano di Bioenergetica e Biomembrane (GIBB) annual meeting, Cividale del Friuli (Udine). 29-06-2000 al 01-07-2000.
Title of the communication: "Rat liver mitochondria can oxidize D-lactate taken up via two separate carriers due to the putative D-lactate dehydrogenase".

Speaker at IX Riunione Nazionale "A. Castellani" dei Dottorandi di Ricerca in Discipline Biochimiche, Brallo di Pregola (PV). 12-06-2001 al 15-06-2001.
Title of the communication: "Trasporto e metabolismo del D-lattato in mitocondri di fegato di ratto".

Speaker at Gruppo Italiano di Bioenergetica e Biomembrane (GIBB) Annual Meeting, Roma. 02-05-2002 al 04-05-2002.
Title of the communication: "Lactate isomer metabolism in rat liver mitochondria".

Speaker at Conferenza di Istituto di Biomembrane e Bioenergetica-CNR, Bari. 10-06-2011
Title of the communication: "Metabolismo energetico di cellule normali e tumorali di prostata umana in coltura".

Participation to "4th World Congress on Targeting Mitochondria, - Ritz Carlton, Berlin, Germany"
Presentation title: "Modulation of mitochondrial bioenergetics by epigallocatechin-3-gallate in human disease: a matter of life and cell death"
Berlin, 17-18 October 2013

Participation to the Workshop MiPschool London 2015 "Principles of Mitochondrial Biology Metabolism and Bioenergetics", University College of London
Presentation title: "Different modulation of mitochondrial function by epigallocatechin-3 gallate in human disease: a matter of life and death"
London, 19-04-2015 to 24-04-2015

Professional training and courses:

From 01-10-1998 to 01-09-2002. PhD course in Biochemistry and Molecular Biology (XIV cycle) - University of Bari, Bari. Thesis title: Transport and Metabolism of Lactate Isomers in Isolated Mitochondria.

From 01-10-2002 to 01-09-2005. Specialization course in Biotechnological Applications, University of Bari, Bari. Thesis title: CellBioenergetics in The Apoptosis of Rat Cerebellar Granule Cells.

From 01-11-2002 to 31-10-2007. Research contracts at the Department of Sciences Animals, Plants and the Environment (SAVA), Univ. of Molise - Campobasso, for the study of the mitochondrial metabolism in animal and plant experimental models and in cultured neuronal cells, and for the development of techniques for the isolation and study of mitochondria from animal and plant tissues.

From 01-02-2003 to 31-01-2004. CNR Fellowship "Italy" (Call n.201.22 of 02/26/2002, Code n. 04, Pos. N. 202.13417, Prot. N. 000678), for the study of "Cell Bioenergetics in Rat Cerebellar Granule Cells Undergoing Glutamate-Induced Necrosis or Apoptosis", Institute of Biomembranes and Bioenergetics - CNR, Bari and in collaboration with Prof. Calissano, Institute of Neurobiology and Molecular Medicine - CNR, Rome.

09-10.12.2003 Training Course in Mass Spectrometry for the study of the Proteome and Genome, Institute of Biomembranes and Bioenergetics - CNR, Bari, Italy.

11-12.05.2010 Flow Cytometry training course, University of Bari, Bari, Italy.

16-20.05.2011 Leica Theoretical and Practical Course on Confocal Microscopy, Campus IFOM-IEO, Milan, Italy.

Publications:

1. DE BARI L, SCIRÈ A, MINNELLI C, CIANFRUGLIA L, KALAPOS MP, ARMENI T (2021). Interplay among oxidative stress, methylglyoxal pathway and s-glutathionylation. ANTIOXIDANTS, vol. 10, p. 1- 17, ISSN: 2076-3921
2. D'ANTONI S, DE BARI L, VALENTI D, BORRO M, BONACCORSO CM, SIMMACO M, VACCA RA, CATANIA MV (2020). Aberrant mitochondrial bioenergetics in the cerebral cortex of the Fmr1 knockout mouse model of Fragile X syndrome. BIOLOGICAL CHEMISTRY, vol. 401, p. 497-503, ISSN: 1431-6730, doi: 10.1515/hsz-2019-0221
3. FAVIA M, DE BARI L, BOBBA A, ATLANTE A (2019). An Intriguing Involvement of Mitochondria in Cystic Fibrosis. JOURNAL OF CLINICAL MEDICINE, vol. 8, ISSN: 2077-0383, doi: 10.3390/jcm8111890
4. FAVIA M, DE BARI L, LASSANDRO R, ATLANTE A (2019). Modulation of glucose-related metabolic pathways controls glucose level in airway surface liquid and fight oxidative stress in cystic fibrosis cells.. JOURNAL OF BIOENERGETICS AND BIOMEMBRANES, vol. 51, p. 203-218, ISSN: 0145-479X, doi: 10.1007/s10863-019-09797-5
5. DE BARI L, ATLANTE A, ARMENI T, KALAPOS MP. (2019). Synthesis and metabolism of methylglyoxal, S-D-lactoylglutathione and D-lactate in cancer and Alzheimer's disease. Exploring the crossroad of eternal youth and premature aging.. AGEING RESEARCH REVIEWS, vol. 53:100915, ISSN: 1568-1637, doi:10.1016/j.arr.2019.100915
6. DE BARI L, ATLANTE A (2018). Including the mitochondrial metabolism of L-lactate in cancer metabolic reprogramming. CELLULAR AND MOLECULAR LIFE SCIENCES, vol. 75, p. 2763-2776, ISSN: 1420-682X, doi: 10.1007/s00018-018-2831-y
7. de Bari L, Favia M, Bobba A, Lassandro R, Guerra L, Atlante A (2018). Aberrant GSH reductase and NOX activities concur with defective CFTR to pro-oxidative imbalance in cystic fibrosis airways. JOURNAL OF BIOENERGETICS AND BIOMEMBRANES, vol. 50, p. 117-129, ISSN: 0145-479X, doi: 10.1007/s10863-018-9748-x
8. ATLANTE A, DE BARI L, BOBBA A, AMADORO G (2017). A disease with a sweet tooth: exploring the Warburg effect in Alzheimer's disease. BIOGERONTOLOGY, vol. 18, p. 301-319, ISSN: 1389-5729, doi: 10.1007/s10522-017-9692-x

9. VALENTI D, DE BARI L, VIGLI D, LACIVITA E, LEOPOLDO M, LAVIOLA G, VACCA, RA, DE FILIPPIS B (2017). Stimulation of the brain serotonin receptor 7 rescues mitochondrial dysfunction in female mice from two models of Rett syndrome.. NEUROPHARMACOLOGY, vol. 121, p. 79-88, ISSN: 0028-3908, doi: 10.1016/j.neuropharm.2017.04.024
10. VALENTI D, DE BARI L, DE RASMO D, SIGNORILE A, HENRION-CAUDE, A, CONTESTABILE A, VACCA RA (2016). The polyphenols resveratrol and epigallocatechin-3-gallate restore the severe impairment of mitochondria in hippocampal progenitor cells from a Down syndrome mouse model.. BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR BASIS OF DISEASE, vol. 1862, p. 1093-1104, ISSN: 0925-4439
11. DE FILIPPIS B, VALENTI D, DE BARI L, DE RASMO D, MUSTO M, FABBRI A, RICCERI L, FIORENTINI C, LAVIOLA G, VACCA RA (2015). Mitochondrial free radical overproduction due to respiratory chain impairment in the brain of a mouse model of Rett syndrome: protective effect of CNF1. FREE RADICAL BIOLOGY & MEDICINE, vol. 83, p. 167-177, ISSN: 0891-5849, doi: 10.1016/j.freeradbiomed.2015.02.014
12. VALENTI D, VACCA RA, DE BARI L (2015). 3-Bromopyruvate induces rapid human prostate cancer cell death by affecting cell energy metabolism, GSH pool and the glyoxalase system.. JOURNAL OF BIOENERGETICS AND BIOMEMBRANES, vol. 47, p. 493-506, ISSN: 0145-479X
13. DE FILIPPIS B, VALENTI D, CHIODI V, FERRANTE A, DE BARI L, FIORENTINI C, DOMENICI MR, RICCERI L, VACCA RA, FABBRI A, LAVIOLA G (2015). Modulation of Rho GTPases rescues brain mitochondrial dysfunction, cognitive deficits and aberrant synaptic plasticity in female mice modeling Rett syndrome.. EUROPEAN NEUROPSYCHOPHARMACOLOGY, vol. 25, p. 889-901, ISSN: 0924-977X, doi: 10.1016/j.euroneuro.2015.03.012
14. VALENTI D, DE BARI L, DE FILIPPIS B, HENRION-CAUDE A, VACCA RA (2014). Mitochondrial dysfunction as a central actor in intellectual disability-related diseases: An overview of Down syndrome, autism, Fragile X and Rett syndrome. NEUROSCIENCE AND BIOBEHAVIORAL REVIEWS, ISSN: 0149-7634, doi: 10.1016/j.neubiorev.2014.01.012. – Articolo in rivista
15. VALENTI D, DE BARI L, DE FILIPPIS B, RICCERI L, VACCA RA (2014). Preservation of mitochondrial functional integrity in mitochondria isolated from small cryopreserved mouse brain areas. ANALYTICAL BIOCHEMISTRY, vol. 444, p. 25-31, ISSN: 0003-2697, doi: 10.1016/j.ab.2013.08.030
16. DE BARI L, MORO L, PASSARELLA S (2013). Prostate cancer cells metabolize D-lactate inside mitochondria via a D-lactate dehydrogenase which is more active and highly expressed than in normal cells. FEBS LETTERS, vol. 587, p.467-473, ISSN: 0014-5793, doi: 10.1016/j.febslet.2013.01.011
17. VALENTI D, DE RASMO D, SIGNORILE A, ROSSI L, DE BARI L, SCALA I, GRANESE B, PAPA S, VACCA RA. (2013). Epigallocatechin-3-gallate prevents oxidative phosphorylation deficit and promotes mitochondrial biogenesis in human cells from subjects with Down's syndrome. BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR BASIS OF DISEASE, vol. 1832, p. 542-552, ISSN: 0925-4439, doi: 10.1016/j.bbadis.2012.12.011
18. VALENTI D, DE BARI L, MANENTE GA, ROSSI L, MUTTI L, MORO L, VACCA RA (2013). Negative modulation of mitochondrial oxidative phosphorylation by epigallocatechin-3 gallate leads to growth arrest and apoptosis in human malignant pleural mesothelioma cells. BIOCHIMICA ET BIOPHYSICA ACTA. MOLECULAR BASIS OF DISEASE, vol. 1832, p. 2085-2096, ISSN: 0925-4439, doi: 10.1016/j.bbadis.2013.07.014.
19. DE BARI L, CHIEPPA G, MARRA E, PASSARELLA S (2010). L-lactate metabolism can occur in normal and cancer prostate cells via the novel mitochondrial L-lactate

dehydrogenase. INTERNATIONAL JOURNAL OF ONCOLOGY, vol. 37(6), p. 1607-1620, ISSN: 1019-6439
20. DE BARI L, VALENTI D, ATLANTE A, PASSARELLA S (2010). L-Lactate generates hydrogen peroxide in purified rat liver mitochondria due to the putative l-lactate oxidase localized in the intermembrane space. FEBS LETTERS, vol. 584(11), p. 2285-2290, ISSN: 0014-5793
21. ATLANTE A, AMADORO G, BOBBA A, DE BARI L, CORSETTI V, PAPPALARDO G, MARRA E, CALISSANO P, PASSARELLA S (2008). A peptide containing residues 26-44 of tau protein impairs mitochondrial oxidative phosphorylation acting at the level of the adenine nucleotide translocator. BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1777(10), p. 1289-1300, ISSN: 0006-3002
22. PASSARELLA S, DE BARI L, VALENTI D, PIZZUTO R, PAVENTI G, ATLANTE A (2008). Mitochondria and L-lactate metabolism. FEBS LETTERS, vol. 582(25-26), p. 3569-3576, ISSN: 0014-5793
23. ANNA ATLANTE, DE BARI L, ANTONELLA BOBBA, ERSILIA MARRA AND SALVATORE PASSARELLA (2007). Transport and metabolism of L-lactate occur in mitochondria from cerebellar granule cells and are modified in cells undergoing low potassium dependent apoptosis. BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1767, p. 1285-1299, ISSN:0006-3002
24. DE BARI L, VALENTI D, PIZZUTO R, ATLANTE A, PASSARELLA S (2007). Phosphoenolpyruvate metabolism in Jerusalem artichoke mitochondria. BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1767(4), p. 281-294, ISSN: 0006-3002
25. ATLANTE A, BOBBA A, DE BARI L, FONTANA F, CALISSANO P, MARRA E, PASSARELLA S (2006). Caspase-dependent alteration of the ADP/ATP translocator triggers the mitochondrial permeability transition which is not required for the low-potassium-dependent apoptosis of cerebellar granule cells.. JOURNAL OF NEUROCHEMISTRY, vol. 97, p. 1166-1181, ISSN: 0022-3042
26. ATLANTE A, SECCIA TM, DE BARI L, MARRA E, PASSARELLA S (2006). Mitochondria from the left heart ventricles of both normotensive and spontaneously hypertensive rats oxidize externally added NADH mostly via a novel malate/oxaloacetate shuttle as reconstructed in vitro.. INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE, vol. 18, p. 177-186, ISSN: 1107-3756
27. DE BARI L, DANIELA VALENTI, ROBERTO PIZZUTO, GIANLUCA PAVENTI, ANNA ATLANTE, AND SALVATORE PASSARELLA (2005). Jerusalem artichoke mitochondria can export reducing equivalents in the form of malate as a result of D-lactate uptake and metabolism. BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS, vol. 335, p. 1224-1230, ISSN: 0006-291X
28. ATLANTE A, BOBBA A, DE BARI L, CALISSANO P, MARRA E, PASSARELLA S (2005). The caspase dependent alteration of the ADP/ATP translocator triggers the mitochondrial permeability transition in apoptosis. JOURNAL OF NEUROCHEMISTRY, vol. 94, p. 174, ISSN: 1471-4159
29. ATLANTE A, DE BARI L, VALENTI D, PIZZUTO R, PAVENTI G, AND PASSARELLA S (2005). Transport and metabolism of D-lactate in Jerusalem artichoke mitochondria. BIOCHIMICA ET BIOPHYSICA ACTA, vol. 1708(1), p. 13-22, ISSN: 0006-3002
30. DE BARI L, ATLANTE A, VALENTI D. AND PASSARELLA S (2004). Partial reconstruction of in vitro gluconeogenesis arising from mitochondrial l-lactate uptake/metabolism and oxaloacetate export via novel L-lactate translocators. BIOCHEMICAL JOURNAL, vol. 380, p. 231-242, ISSN: 0264-6021
31. BOBBA A, ATLANTE A, DE BARI L, PASSARELLA S. AND MARRA E (2004). Apoptosis and cytochrome c release in cerebellar granule cells. IN VIVO, vol. 18, p. 335-344, ISSN: 0258-851X

32. ATLANTE A, DE BARI L, BOBBA A, MARRA E, CALISSANO P, PASSARELLA S (2003). Cytochrome c, released from cerebellar granule cells undergoing apoptosis or excytotoxic death, can generate protonmotive force and drive ATP synthesis in isolated mitochondria. JOURNAL OF NEUROCHEMISTRY, vol. 86, p. 591-604, ISSN: 0022-3042
33. PASSARELLA S, ATLANTE A, DE BARI L (2003). The role of mitochondrial transport in energy metabolism. MITOCHONDRION, vol. 2, p. 319-343, ISSN: 1567-7249
34. DE BARI L, ATLANTE A, GUARAGNELLA N, PRINCIPATO G. AND PASSARELLA S (2002). D-lactate transport and metabolism in rat liver mitochondria. BIOCHEMICAL JOURNAL, vol. 365, p. 391-403, ISSN: 0264-6021
35. VALENTI D, DE BARI L, ATLANTE A. AND PASSARELLA S (2002). L-lactate transport into rat heart mitochondria and reconstruction of the L-lactate/pyruvate shuttle. BIOCHEMICAL JOURNAL, vol. 364, p. 101-104, ISSN: 0264-6021

Book chapters:

1. DE BARI L, ATLANTE A, PASSARELLA S (2011). The Role of Mitochondria in the Glucose Metabolism. In: BIOENERGETICS. p. 97-129, New York:Nova Science Publisher (Jeffrey W. Berkin Ed.), ISBN: 978-1-61761-788-1
2. DE BARI L (2007). Ricerca in banca dati e ricerca di similarità di sequenza. In: Elementi di Enzimologia -Guida allo studio. ARACNE editrice S.r.l., ROMA, p. 57-69.