

CURRICULUM VITAE

ELEONORA PARADIES

Name: Eleonora Paradies

Date/Place of birth: June 9, 1979, Bari, Italy

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Foreign languages: English

Education and training

B.S. degree in Biological Sciences (cum laude), University of Bari, Italy; 2004.
Dissertation: “*E. coli* expression and functional characterization of two human isoforms of the ornithine mitochondrial transporter and its mutated forms in patients with 3H syndrome”; Supervisor: Prof. Ferdinando Palmieri.

Formation course for doctoral studies at “CEINGE”, University of Naples; July 11, 2005 - Oct. 30, 2005.

PhD degree in Biochemical and Pharmacological Sciences, Pharmaco-Biological Department, University of Bari; April 2008. Dissertation: “Study of gene mutations identified in patients affected by HHH Syndrome and by Type 2 Citrullinemia.”

Term contract: Pharmaco-Biological Department, University of Bari; May 2008- July 2008. EUMITOCOMBAT project titled “Rational Treatment Strategies Combating Mitochondrial Oxidative Phosphorylation (OXPHOS) Disorders”.

Fellowship research position: Pharmaco-Biological Department, University of Bari; 2008-2010. Research titled "Metabolic study of a microorganism producing antibiotic."

Tutor students in Physiology at Faculty of Pharmacy, University of Bari. 2010.

"Researcher" at the Institute of Biomembrane and Bioenergetics (IBBE), CNR, Bari. 2011-today

Research Activities

Mitochondrial transport proteins: purification, reconstitution into liposomes, functional studies. Biochemical and biophysical studies of proteins.

Gene expression in *E. coli*, *L. lactis*, *S. cerevisiae*, insect cell line *Sf9* and mammalian cells

Phenotypical studies in *S. cerevisiae*

Gene Cloning and Site-directed mutagenesis

Mitochondrial diseases

Good bioinformatics skills particularly with SeqMan, Edit sequence, DNA strider, Prism, Vector NTI.

Publications

International journal: 5

National congress: 5

Main publications

1. Fiermonte G., Soon D., Chaudhuri A., **Paradies, E.**, Lee P.J., Krywawych S., Palmieri F. and R.H. Lachmann "AN ADULT WITH TYPE II CITRULLINEMIA IN EUROPE". *N Engl J Med.* 2008 Mar 27; 358(13):1408-9.
2. Marobbio C.M., Giannuzzi G, **Paradies E.**, Pierri CL, Palmieri F. "ALPHA-ISOPROPYLMALATE, A LEUCINE BIOSYNTHESIS INTERMEDIATE IN YEAST, IS TRANSPORTED BY THE MITOCHONDRIAL OXALACETATE CARRIER. " *J Biol Chem.* 2008 Oct 17; 283(42):28445-53.
3. Tessa A., Fiermonte G., Dionisi-Vici C., **Paradies E.**, Baumgartner M.R., Chien Y.H., Loguercio C., de Baulny HO., Nassosgne MC., Schiff M., Deodato F., Parenti G., Rutledge SL., Vilaseca MA., Melone MA., Scarano G., Aldamiz-Echevarria L., Besley G., Walter J., Martinez-Hernandez E., Hernandez JM., Pierri CL., Palmieri F., Santorelli F.M., IDENTIFICATION OF NOVEL MUTATIONS IN THE SLC25A15 GENE IN HYPERORNITHINEMIA-HYPERAMMONEMIA-HOMOCITRULLINURIA (HHH) SYNDROME: A CLINICAL, MOLECULAR, AND FUNCTIONAL STUDY *Hum. Mutations* 2009 May;30(5):741-8.
4. Fiermonte G.*, **Paradies E.***, Todisco S., Marobbio C.M., Palmieri F. "A NOVEL MEMBER OF SOLUTE CARRIER FAMILY 25 (SLC25A42) IS A TRANSPORTER OF COENZYME A AND ADENOSINE 3',5'-DIPHOSPHATE IN HUMAN MITOCHONDRIA" *J Biol Chem.* 2009 Jul 3;284(27):18152-9.

* Both authors contributed equally to this work.