

Concise curriculum vitae et studiorum Pierri-Ciro Leonardo, PhD; born: March 18th, 1976 in Grottaglie (TA); mobile number: +393288186379.

Education and training:

- PhD in Biochemical and Pharmacological Sciences.
- Degree in Chemistry, University of Studies of Basilicata (Potenza), Italy;

Positions and honors:

- **Researcher** of the S.S.D. BIO/10-Biochimica, University of Bari; Italy, since 2011;
- Habilitation for **Associate Professor** and **Full Professor** of Biochemistry (S.S.D. Bio/10) for Italian universities, since 2016

Research activity in Italy and abroad:

- PostDoc training: Identification and characterization of mitochondrial membrane proteins, Laboratory of Biochemistry and Molecular Biology, Pharmaco-Biology Dept., University of Bari, Italy with Prof. Ferdinando Palmieri on a project focused on the identification and characterization of mitochondrial carriers;
- Visiting scientist in the research group headed by the nobel prize for chemistry Dr. John E. Walker: Collaboration for research activity: Evolutionary history of the mitochondrial transport proteins in order to understand their origin, development and mechanism of substrate and inhibitor specificity; Mitochondrial Biology Unit (ex Dunn Human Nutrition), Medical Research Council, Cambridge (UK);
- Collaboration for research activity with several Italian (Institute of Crystallography; Institute of Biomedical Technologies; Istituto Superiore Sanità) and international institutes (University of Bordeaux (FR); Hadassah Medical Center (IL); Med-Gen (RU); University of Aveiro (PT); AIT of Wien (AT); University of Kyushu (JP));
- Aggregate professor of Biochemistry and Molecular Modeling; University of Bari, Italy and member of the PhD committee for the Functional and Applied Genomics and Proteomics school;

Main Research Interests:

- a) Protein 3D modeling, virtual screening of chemical libraries and computational approaches for protein function prediction;
- b) Identification and functional characterization of mitochondrial carriers (MCs);
- c) Role of mitochondrial carriers in cancer and rare diseases
- d) Treatments for mitochondrial dysfunction and related diseases;
- e) FAD/NADH dehydrogenases structural characterization;
- f) Antibody 3D modeling and engineering;
- g) Ab initio protein folding
- h) microgravity and radiation damage prevention by regulating mPTP opening;

Current Funding (PI):

- **PI of PON Dottorato Industriale 2017-2020** Metabolomics analyses for the identification of a set of biomarkers of the altered apoptosis mechanism

Concluded projects (PI)

- **PI of My First AIRC Grant (MFAG-Rif. 12028):** Role of mitochondrial carriers in cancer; 2012-2014.
- **PI of a Mitocon Grant:** Enzyme replacement-based therapies for mitochondrial diseases, 2016-18.

Coauthor since 2008 of 50 publications in peer reviewed International journals, some of those could be retrieved from the following link: <http://www.ncbi.nlm.nih.gov/pubmed?term=Pierri%20CL>;

Proponent subject of the university **italian patent** N. 102019000022545 about the design of intelligent antibiotics through the identification of species-specific targets;

Partner of the **BROWser s.r.l. university spin-off** <https://browser-bioinf.com/en/services> since 2019

Member of interdepartmental centers TIRES (<https://www.uniba.it/ricerca/centri-interdipartimentali/tires>) and CIREMIC since 2019

H-index: 19; citations since 2011:1492:<https://scholar.google.it/citations?user=NtwTlu0AAAAJ&hl=it>;

Official webpage: <https://www.uniba.it/docenti/pierri-ciro-leonardo>

Peer Reviewer of projects for several international agencies and peer reviewer of several international journals. Invited speaker at several international conferences.