



Instituto Universitario de Investigación
**Biocomputación y Física
de Sistemas Complejos**
Universidad Zaragoza

Nuria Garrido Pérez

She did her thesis at the Dpt. of Biochemistry and Molecular Biology, University of Zaragoza, on mechanisms of regulation of mammalian mitochondrial DNA expression. Afterwards, she did a postdoctoral fellowship at the Institute of Medical Technology in Tampere (Finland), working in the same line. In 2004, she returned to Spain with a contract as Assistant Professor and joined the Genoxphos group of the Dpt of Biochemistry and Molecular and Cellular Biology. Currently, she is a Contracted Professor as Doctor and belongs to the Biogenesis and mitochondrial pathology group at the University of Zaragoza.



Researcher profile

Currently, she is Associate Professor PhD in the Department of Biochemistry and Molecular and Cellular Biology at the University of Zaragoza. She studies the role of mitochondrial biogenesis in diseases such as Alzheimer's, Parkinson's or Down syndrome. She investigates the role of mitochondria, the OXPHOS system and mitochondrial DNA in these pathologies in order to understand the mechanisms that lead to their development. Also, she investigates therapies against them that aim to improve mitochondrial functionality.

Importance of her research

Her research is crucial because the role of mitochondria in diseases such as Alzheimer's, Parkinson's and Down syndrome is still unclear. It is not known whether the deficit of OXPHOS functionality is a cause or a consequence of these pathologies. The main objective is to develop therapies that improve mitochondrial biogenesis and functionality, thus improving the prognosis and quality of life of patients.

