



Dr. Ana Coto Montes is an Assistant Professor in the Department of Morphology and Cellular Biology at the University of Oviedo. For twenty-three years, she has dedicated her academic work in the Cellular Biology area to the study of oxidative stress and its effects on multiple cellular processes, especially on inflammation and autophagia.

The professional path of Ana Coto Montes led her to develop research projects coordinated with researchers from different national and international institutions. One of her main achievements was the creation and coordination of the Research Group on Oxidative Stress Response (cROS), a multidisciplinary group composed by a research team on Oxidative Stress at the University of Oviedo. In addition to leading this research group, Dr. Coto-Montes also works with the Research Group on Meat Quality and Stress Biomarkers, coordinated by Dr. Mamen Olivan from SERIDA (The Regional Agrifood Research and Development Service of Principality of Asturias) and with the Aging Research Group, coordinated by Mr. Juan Solano, head of Monte Naranco Hospital Service. The Research Group on Oxidative Stress (cROS) has been positively evaluated by ANECA to participate in the Cluster of Biomedicine and Health at the University of Oviedo due to its excellent characteristics as a multidisciplinary group and as an example of translational scientific research. The group's main research lines are: search of fragility markers for the population of seniors, study of autophag mechanisms and their relationship to oxidative stress, and search of meat tenderization markers (quality) and animal stress.

In order to develop these studies, Dr. Coto-Montes participated on nineteen projects in competitive process, having participated as the main researcher in twelve of these projects and advised seven doctoral thesis and multiple bachelor's degree and master's degree final projects and directed research seminars.

For ten years, Dr. Coto-Montes has been participating as an independent member in an aging network, which is currently called Spanish Research Network of Fragility and Aging (RETICEF). She is also a member of the International Network INPROTEOLYS and of the Institute of Neurosciences of Principality of Asturias (INEUROPA).

In 2000, Dr. Coto-Montes won the Grande Covián Award for Young Researchers given by the Foundation of Prince of Asturias for the project presented on the Study of Oxidative Stress in Meat. In 2011, her research group won the second Sport Medicine National Award for its work with senior athletes.

Dr. Coto-Montes took predoctoral studies at the Panum Intitutte (Denmark) and postdoctoral studies at the Department of Physiology and Pharmacology at the University of Santander (Cantabria), in Department of Cellular Biology at the University of Goetting (Germany) and in the Department of Cellular Biology at the Health Science Center of San Antonio (Texas, USA). For the last three years she has obtained a positive indication for tenure by ANECA.