

ACRONYM:	LOGO:
NAME OF THE RESEARCH GROUP Neuronal Ubiquitin Pathways and Proteomics	
Contact in the Faculty of Pharmacy (Name, e-mail): Nerea Osinalde, nerea.osinalde@ehu.eus	
Website link: https://www.ehu.eus/eu/web/umayor/home	
Area(s) of science: Biochemistry, Biomedicine and Renewable Energies	

Key words:	Area(s) of science: Ubiquitin, Proteomics, Angelman Syndrome, Parkinson, H ₂ production
Description (maximum 800 characters) <p>We are a multidisciplinary research group with expertise in Molecular and Cellular Biology, Proteomics and Bioinformatics, and we work with cellular and animal models (flies and mice). The group is composed by an Ikerbasque research professor, 3 university professors, a technician, 5 postdoctoral researchers and 3 predoctoral researchers; financed by national and international entities.</p> <p>Our main research line focuses on the proteomics characterization of ubiquitination on neuronal proteins involved in Angelman Syndrome and Parkinson disease, as well on studying the effects of such ubiquitinations. Additionally, we have recently initiated a new research line that aims to characterize the proteome changes associated with the production of H₂ in the algae family <i>Chlamydomonas</i>, in order to improve the production of this clean and renewable energy source.</p>	
Research lines (maximum 800 characters) <u>RESEARCH LINE 1:</u> Unraveling the molecular mechanisms involved in Angelman Syndrome and Parkinson Disease <u>RESEARCH LINE 2:</u> Identification of deubiquitinase substrates <u>RESEARCH LINE 3:</u> Characterization of the cellular pathways activating in the unicellular algae <i>Chlamydomonas reinhardtii</i> when H₂ production is induced	
Equipment Cabinets and incubators for cell culture Gel documentation systems Others	

Members of the group		Department	Center	Section
Principal Investigator (IP)	Ugo Mayor	Biochemistry and Molecular Biology (BMB)	Faculty of Science and Technology (FST)	--
CoIPs	Jesus M. Arizmendi	BMB	FST	--
	Nerea Osinalde		Faculty of Pharmacy	BMB
Assistant professors	Miren J. Omaetxebarria		FST	---
Associate professors	Olatz Arteaga		Faculty of Pharmacy	BMB
	Juanma Ramirez		FCT	---
	Aitor Martinez			



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Posdoctoral researchers	Natalia Presa			
	Unai Alduntzin			
Predoctoral researchers	Victor Garcia-Riaño			

(add as many rows as members of the group)

Picture of the research group (insert on the table or send by e-mail)
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