

Call information	
Funding Programme	EU Joint Programme - Neurodegenerative Disease Research (JPND)
Call: title and reference number	"Multinational research projects for Pathway Analysis across Neurodegenerative Diseases"
Area, Activity or Topic	Neurodegenerative diseases
Closing Date	Submission deadline for pre-proposals: March 6, 2017, 23:59h C.E.T.

Contact person			
Organisation	Andalusian Molecular Biology and Regenerative Medicine Centre (CABIMER)	Type of organisation	Public Research Centre
Department	Cell Therapy and regenerative Medicine	Web	www.cabimer.es
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Proposal description	
Proposal Title	Common molecular pathways in neurodegenerative diseases and retinal degeneration.
Acronym	Neuro/Retina
Keywords	Parkinson's disease (PD), Alzheimer's disease (AD), Age-related macular degeneration (AMD).
Main objectives of the project	Identifying common disease pathways and mechanisms in PD, AD and AMD to find new therapeutic targets.
Rationale of the project	AMD and PD share common pathophysiological features such as abnormal extracellular deposits, oxidative stress, neuroinflammation and microvascular abnormalities. It has been reported that L-DOPA, a drug used in the clinical treatment of PD and other movement disorders, is protective against AMD. Therefore, the study of the molecular mechanisms leading to neuronal and retinal pigment epithelium cell death might be useful to find new therapeutic targets for all these neuro- and retinal-degenerative diseases.
Objectives	<ul style="list-style-type: none"> To produce induced pluripotent stem cells (iPS) from PD, AD and AMD patients, as well as matched controls. To perform omics analyses in different cell stressor conditions to elucidate the underlying common molecular pathways. To identify new therapeutic targets that will be validated by preclinical studies.
Expected outputs and results	Identification of common pathways and new therapeutic targets for PD, AD and AMD.
Partners already involved	

Partner search		
Partners needed	Type of organisation	We are looking for partners with experience in the study of neurodegenerative diseases based on metabolomic or proteomic analysis, as well as clinical researchers who will be responsible for the recruitment of patients
	Role	Research
	Expertise requires	Neurology, Ophthalmology, iPS, Omics (transcriptomics, proteomics, metabolomics), Pre-clinical studies.
Deadline for this partner search	February 24, 2017.	

I agree with the publication of my contact details