



Erasmus+ Traineeship

EMPLOYER INFORMATION	
Name of Organization	University of Murcia
UMU Contact Person and e-mail	Dr. Paco Calvo, Professor of Philosophy of Science, and Principal Investigator of MINTLab – Minimal Intelligence Lab fjcalvo@um.es
UMU Address	Edificio Luis Vives, Campus de Espinardo, Universidad de Murcia, Murcia 30100 Spain
UMU Telephone	+34 868 88 77 52

ENTERPRISE JOB DESCRIPTION	
Name of enterprise	MINTLab – Minimal Intelligence Lab
Duration	2-6 months
Working Hours	9-13 hours per week
Project Description	Our research interests range broadly within the cognitive sciences, with special emphasis on plant intelligence, ecological psychology and embodied cognitive science. In particular, we study the ecological basis of plant intelligence by conducting experimental studies at the intersection of the areas of plant intelligence and ecological psychology.



Tasks of the Erasmus intern	The Erasmus intern will become familiar with the experimental protocols we currently implement on climbing beans (<i>Phaseolus vulgaris</i>) to study the ecological guidance of the movement of circumnutation under principles of biological sensorimotor control. The visitor will be expected to follow protocols and contribute to running basic experiments; in addition, will be expected to take part in theoretical discussions and reading groups being led by senior team members.
Requirements	Undergraduate/graduate students of Philosophy, Psychology, Biology, Cognitive Science, or related disciplines interested in the scientific/philosophical study of Plant Cognition. For relevant publications see: https://www.um.es/en/web/minimal-intelligence-lab/contenido/publications
What do we offer	MINTLab uses behavioural (time-lapse photography) and electrophysiological methods (electrome-OpenBCI) to observe plant roots and shoots navigational capacities. We offer the possibility to become familiar with cutting-edge techniques and to network and team up with a highly multidisciplinary team of researchers investigating Plant Cognition. Basic training will take place in the framework of the 3-years long project "Plant Intelligence for Robotics and AI" financed through a US Office of Naval Research project led by Prof. Paco Calvo.
Website	http://www.um.es/web/minimal-intelligence-lab