

**Curriculum Vitae** — Paco Calvo, PhD (Glasgow, 2000)  
*Minimal Intelligence Lab*, Department of Philosophy, University of Murcia (Spain)  
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### **Areas of Specialization**

Philosophy of cognitive science; plant neurobiology; ecological psychology

### **SELECTED PUBLICATIONS**

Calvo, P. *Plant Cognition: The Next Revolution*. (book manuscript in preparation).

### **Edited books**

- Calvo, Symons. 2014. *The architecture of cognition: rethinking Fodor and Pylyshyn's systematicity challenge*. Cambridge, Mass.: MIT Press.
- Symons, Calvo. 2009. *The Routledge Companion to Philosophy of Psychology*. Oxford & New York: Routledge.
- Calvo, Gomila. 2008. *Handbook of Cognitive Science: An Embodied Approach*. Amsterdam: Elsevier.

### **Articles**

- Calvo, Friston. 2017. Predicting Green: Really Radical (Plant) Predictive Processing. *Journal of the Royal Society Interface* 14, 20170096.
- Calvo. 2017 What is it like to be a plant? *Journal of Consciousness Studies* 24, 205–27.
- Calvo, Sahi, Trewavas. 2017. Are plants sentient?, *Plant, Cell & Environment* 40, 2858–2869.
- Raja, Calvo. 2017. Augmented reality: An ecological blend. *Cognitive Systems Research* 42, 58–72.
- Calvo. 2016. The philosophy of plant neurobiology: a manifesto. *Synthese* 193, 1323–1343.
- Calvo, Baluška, Sims. 2016. 'Feature detection' versus 'predictive coding' models of plant behavior. *Frontiers in Psychology* 7, 1505.
- Calvo, Baluška. 2015 Conditions for minimal intelligence across eukaryota: A cognitive science perspective. *Frontiers in Psychology* 6, 1329.
- Laakso, Calvo. 2011. How Many Mechanisms are Needed to Analyze Speech?: A Connectionist Simulation of Structural Rule Learning in Language Acquisition. *Cognitive Science* 35, 1243-1281.
- Calvo, Keijzer. 2011. Plants: Adaptive behavior, root brains and minimal cognition. *Adaptive Behavior* 19, 155-171.
- García, Calvo. 2010. Is cognition a matter of representations?: Emulation, teleology, and time-keeping in biological systems. *Adaptive Behavior* 18, 400-415.
- Calvo, García. 2009. Where is cognitive science heading? *Minds and Machines* 19, 301-318.
- Calvo. 2008. Towards a General Theory of Antirepresentationalism. *The British Journal for the Philosophy of Science* 59, 259-292.
- Calvo. 2003. Connectionist Semantics and the Collateral Information Challenge. *Mind and Language* 18, 77-94.
- Calvo. 2000. State Space Semantics and Conceptual Similarity: Reply to Churchland. *Philosophical Psychology* 13, 77-95.
- Calvo. 2000. A Connectionist Defence of the Inscrutability Thesis. *Mind and Language*, 15, 465-480.

## Recent conferences and invited presentations

(2017) “Of animals and plants: the direct perception of climbability” (Commentary on Prof. Mohan Matthen “The Perceptual Representation of Space”). Edinburgh (UK).

(2016) “Plant cognition: the next revolution” Cell and Molecular Biology Seminar Series, Edinburgh (UK); Cognitive Science Society Lecture, Edinburgh (UK).

(2016) “Guidance of circumnutation of climbing bean stems: an ecological exploration”. 4th International Symposium on Plant Signaling and Behavior, Saint Petersburg (Russia).

(2014) “Peppermint: Principles of ecological psychology for minimal intelligence.” *De-Intellectualizing the mind workshop*. UNED, Madrid.

(2014) “Probabilistic predictive processing vs. ecological psychology models of plant intelligence”. *International Symposium on Plant Signaling and Behavior*. Delhi (India)

(2013) “Minimal intelligence across phyla: of mice and men... and plants (with apologies to John Steinbeck!)”. Invited presentation at Centre for Evolutionary Biology, University of Western Australia (*Special BONUS Animal Biology Seminar*). Perth (Australia).

(2012) “Minimal cognition and direct perception in plants” (invited talk at *Laboratoire de Psychologie Cognitive*, CNRS). Marsella (France).

(2011) “Adaptive behavior and direct perception: ecological lessons from plant neurobiology”. *Smart solutions from the plant kingdom: beyond the animal models’ workshop*. Florence (Italy).

(2011) “Systematic behavior and the varieties of (representational) vehicles”. *Kazimierz Naturalist Workshop*. Kazimierz Dolny (Poland).

## Editorial Service

- Editorial Board, *New Ideas in Psychology* (2005 - 2011)
- Editorial Board, *Teorema* (2011 - )

## Ad Hoc Manuscript Referee

*Acta Analytica, Adaptive Behavior, Anales de Psicología, Biology & Philosophy, British Journal for the Philosophy of Science, Cognitive Science, Cognitive Systems Research, Communicative & Integrative Biology, Connection Science, Daimon, Estudios de Psicología, History & Philosophy of Psychology, Journal of Theoretical and Philosophical Psychology, Minds and Machines, New Ideas in Psychology, Perceptual & Motor Skills: Perception, Philosophical Psychology, Philosophical Psychology, Plant Signaling & Behavior, Psychological Reports, Societies, Synthese, Teorema.*

## SCHOLARSHIPS, HONORS & AWARDS

- *Fundación Séneca* 2005 ‘Young Researchers Award of the Region of Murcia’ (Spain) (20.000€)
- *Fulbright* scholarship, University of California, San Diego (1998-1999)
- *The Darwin Trust of Edinburgh* scholarship, University of Glasgow (1997-1998)
- *British Council* scholarship, University of Glasgow (1995-1997)