

## CURRICULUM VITAE

<b>Part A. PERSONAL INFORMATION</b>		<b>CV date</b>	05.03.2024
First name	Raúl	Family name	Luna del Valle
e-mail	<a href="mailto:raul.luna@ucm.es">raul.luna@ucm.es</a>		
Open Researcher and Contributor ID (ORCID)	<a href="https://orcid.org/0000-0002-7724-077X">0000-0002-7724-077X</a>		

### A.1. Current position

Position	Profesor Ayudante Doctor		
Initial date	01.02.2024		
Institution	Universidad Complutense de Madrid		
Centre	Faculty of Psychology		
Country	Spain		
Keywords	Vision Science, Psychophysics, Decision-making, Computational Neuroscience, Automated image/video quality assessment		

### A.3. Education

International PhD in Psychology	UCM / Spain	2020
Ms in Methodology for Behavioural and Health Sciences	UCM, UAM, UNED / Spain	2016
Bs in Psychology	UCM / Spain	2014

## Part C. RELEVANT MERITS

### C.1. Publications

- Luna, R.**, Li, J., Bauer, R., & van Leeuwen, C. (*In press*). Retinal waves in adaptive rewiring networks orchestrate convergence and divergence in the visual system. *Network Neuroscience*.
- Luna, R.**, Vadillo, M. A., & Luque, D\*. (2023). Model-free decision making resists improved instructions and is enhanced by stimulus-response associations. *Cortex*, 168, 102-113. [doi.org/10.1016/j.cortex.2023.06.009](https://doi.org/10.1016/j.cortex.2023.06.009)
- Luna, R.**, Zabaleta, I., & Bertalmío, M. (2023). State-of-the-art image and video quality assessment with a metric based on an intrinsically non-linear neural summation model. *Frontiers in Neuroscience*, 17. [doi.org/10.3389/fnins.2023.1222815](https://doi.org/10.3389/fnins.2023.1222815)
- Bachtoula, O., Arranz-Paráiso, S., Luna, R., & Serrano-Pedraza, I. (2023). Visual motion discrimination experiments reveal small differences between males and females. *Vision Research*, 208, 108222. [doi.org/10.1016/j.visres.2023.108222](https://doi.org/10.1016/j.visres.2023.108222)
- Luna, R.**, Serrano-Pedraza, I., Gegenfurtner, K., Schütz, A., & Souto, D. (2021). Achieving visual stability during smooth pursuit eye movements. *Vision Research*, 184, 58-73. [doi.org/10.1016/j.visres.2021.03.003](https://doi.org/10.1016/j.visres.2021.03.003)
- Luna, R.**, & Serrano-Pedraza, I. (2020). Evidence for different motion sensing mechanisms using duration thresholds: an individual differences approach. *Vision Research*, 175, 58-74. [doi.org/10.1016/j.visres.2020.07.002](https://doi.org/10.1016/j.visres.2020.07.002)
- Luna, R.**, & Serrano-Pedraza, I. (2020). Interaction between motion scales: When performance in motion discrimination is worse for a compound stimulus than for its integrating components. *Vision Research*, 167, 60–69. [doi.org/10.1016/j.visres.2019.12.002](https://doi.org/10.1016/j.visres.2019.12.002)
- Luna, R.**, & Serrano-Pedraza, I. (2018). Temporal frequency modulates the strength of the inhibitory interaction between motion sensors tuned to coarse and fine scales. *Journal of Vision*, 3, 18(13), 17. [doi.org/10.1167/18.13.17](https://doi.org/10.1167/18.13.17)
- de Frutos-Lucas, J., López-Sanz, D., Zuluaga, P., Rodríguez-Rojo, I. C., **Luna, R.**, López, M. E., [...] & Fernández, A. (2018). Physical activity effects on the individual alpha peak frequency of older adults with and without genetic risk factors for Alzheimer's Disease: A MEG study. *Clinical Neurophysiology*, 129(9), 1981-1989. [doi.org/10.1016/j.clinph.2018.06.026](https://doi.org/10.1016/j.clinph.2018.06.026)

## C.2. Research projects

1. PID2021-127373NB-I00. *Intrinsically Nonlinear Receptive Fields: Replacing the Standard Model of Vision*. **MICINN**. 2022 Call. P.I.: Marcelo Bertalmío (CSIC). 01.01.2022-31.12.2024. Funding: 74.173€. Activity: Team member.
2. PID2021-122245NB-I00. *Spatiotemporal characterization of the stereoscopic anisotropy*. **MICINN**. 2022 Call. P.I.: Ignacio Serrano-Pedraza (UCM). 01.01.2022-31.12.2024. Funding: 108.658 €. Activity: Team member.
3. H2020-ICT-2019-3 952027. *“AdMiRe”. Advanced Mixed Realities*. **European Commission**. Coordinator: BRAINSTORM MULTIMEDIA SL. P.I. at CSIC: Marcelo Bertalmío (CSIC). 01.09.2020-31.08.2022. Funding: 2.461.225 €. Activity: Postdoctoral Researcher.
4. PGC2018-094694-B-I00. *Attention, habits and attentional habits: How learning habits and attention affect each other -Project II-*. **MICINN**. P.I.: David Luque (UAM). 01.01.2019-31.12.2021. Funding: 93.170 €. Activity: Team member.
5. PGC2018-093406-B-I00. *The binocular interaction in motion perception: implications on the activation of visual inhibitory mechanisms*. **MICIU**. P.I.: Ignacio Serrano Pedraza (UCM). 01.01.2019-31.12.2021. Funding: 93.170 €. Activity: Team member.
6. PSI2014-51960-P. *Visual inhibitory mechanisms in motion perception: fundamental characteristics and clinical applications*. **MINECO**. P.I.: Ignacio Serrano Pedraza (UCM). 01.01.2015-31.12.2018. Funding: 59.290 €. Activity: Team member.