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Faculdade de Ciências da Universidade de Lisboa
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Education and Work Experience

Instituto de Biofísica e Engenharia Biomédica, Lisboa	12/2019 - present
PhD in Biomedical Engineering and Biophysics	
Advisor: Dr. Diana Prata; Co-Advisor: Dr. James K. Rilling	
Thesis title: “The role of oxytocin in decision-making: A pharmaco-neuroimaging approach”	
Instituto de Biofísica e Engenharia Biomédica, Lisboa	09/2018 – 12/2019
Research Assistant	
Advisor: Dr. Diana Prata	
Instituto de Medicina Molecular, Lisboa	07/2017 – 09/2018
Research Assistant	
Advisor: Dr. Diana Prata	
Fac. de Ciência e Tecnologia, Univ. Nova de Lisboa, Almada	2010 – 2016
Integrated Masters in Biomedical Engineering	
Advisor: Prof. Dr. Pedro Almeida	
Thesis title: “Image reconstruction of Ultra-Fast Positron Emission Tomography systems”	

Awards

Sociedade Portuguesa de Neurociência (SPN)	2023
Travel grant to attend and present at FENS Regional 2023 Meeting	
Fundação para a Ciência e Tecnologia (FCT)	01/2024 – 04/2024
Phd fellowship extension to mitigate COVID-19 impacts	
Fundação para a Ciência e Tecnologia (FCT)	12/2019 – 12/2023
Phd fellowship – 4 years	
H2020 Twinning Grant – SynaNet	10/2018
Misson grant for traineeship at Lancaster University, United Kingdom	

Peer-Reviewed Scientific Publications (all in Q1 journals)

- Cosme, G.**, Arriaga, P., Rosa, P. J., Mehta, M., Prata, D. (2023) Temporal profile of intranasal oxytocin in the human autonomic nervous system at rest: an electrocardiography and pupillometry study. *Journal of Psychopharmacology*. <https://doi.org/10.1177/02698811231158233>. (IF: 4.56)
- Cosme, G.***, Tavares, V.*, Nobre, G., Lima, C., Sá, R., Rosa, P., & Prata, D. (2022). Cultural differences in vocal emotion recognition: A behavioural and skin conductance study in Portugal and Guinea-Bissau. *Psychological Research*, 86(2), 597–616. <https://doi.org/10.1007/s00426-021-01498-2>. (IF: 2.64). Equal contribution
- Cosme, G.**, Rosa, P. J., Lima, C. F., Tavares, V., Scott, S., Chen, S., Wilcockson, T. D. W., Crawford, T. J., & Prata, D. (2021). Pupil dilation reflects the authenticity of received nonverbal vocalizations. *Scientific Reports*, 11, 3733. <https://doi.org/10.1038/s41598-021-83070-x>. (IF: 5.00)

- Prata, D. P., Cosme, G.*, Costa-Neves, B.*, & Vassos, E. (2019). Unravelling the genetic basis of schizophrenia and bipolar disorder with GWAS: A systematic review. *Journal of Psychiatric Research*, 114. <https://doi.org/10.1016/j.jpsychires.2019.04.007>. (IF: 3.93). *Equal contribution
- Cosme, G.,* Esteves, R.*, Diogo, V., Prata, D., Oxytocin's role on central and autonomic neurocorrelates of salience attribution: a pupillometry and eye-gaze study. *In preparation*. *Equal contribution
- Cosme, G., Diogo, V., & Prata, D., Intranasal oxytocin increases the spatio-temporal salience of social interactions during free-viewing. *In preparation*.
- Cosme, G., Mlekoday, A., Cogoni, C., Prata, D., The effects of intranasal oxytocin on pupillometry and eye gaze during a sexually objectified Cyberball game. *In preparation*.

Oral Communications

- 03/2023** Cosme, G., Oxytocin's role on central and autonomic neurocorrelates of salience attribution – evidence from pupillometry and eye-gaze. Physics Department Day. Faculdade de Ciências da Universidade de Lisboa, Portugal
- 05/2022** Cosme, G., (Organizer). Open day at Diana Prata's Biomedical Neuroscience Lab, for international students of Vrije Universiteit Amsterdam. Faculdade de Ciências da Universidade de Lisboa, Portugal
- 03/2022** Cosme, G., Prata, D., A interação da oxitocina e da dopamina nas interações sociais. Brain Awareness Week, Faculdade de Ciências da Universidade de Lisboa, Portugal
- 09/2021** Cosme, G., Prata, D., Oxytocin and Dopamine interplay in social interactions. European Researchers' Night, Santa Maria, Açores, Portugal
- 06/2021** Cosme, G., Rosa, P. J., Lima, C. F., Tavares, V., Scott, S., Chen, S., Wilcockson, T. D. W., Crawford, T. J., & Prata, D., Pupil dilation reflects the authenticity of received nonverbal vocalizations. Encontro Nacional da Ciência, Lisboa, Portugal.
- 04/2020** Cosme, G., Prata, D., Instrumentation at a psychophysiology lab. Seminar for the Masters in Food Quality and Health of the Faculty of Pharmacy of the University of Lisbon, Online.
- 10/2019** Cosme, G., Rosa, P. J., Lima, C. F., Tavares, V., Scott, S., Chen, S., Wilcockson, T. D. W., Crawford, T. J., & Prata, D., Pupil size during authenticity recognition in laughter and crying. Physioma, ISCTE-IUL, Portugal
- 05/2019** Cosme, G., Rosa, P. J., Lima, C. F., Tavares, V., Scott, S., Chen, S., Wilcockson, T. D. W., Crawford, T. J., & Prata, D., Pupil size during authenticity recognition in laughs and cries. 3rd National Cognitive and Affective Oculometry Meeting. Universidade Lusófona, Portugal
- 03/2019** Cosme, G., Prata D., Instrumentation at a psychophysiology lab. Brain Awareness Week. Faculdade de Ciências da Universidade de Lisboa, Portugal
- 12/2018** Cosme, G., Rosa, P. J., Lima, C. F., Tavares, V., Scott, S., Chen, S., Wilcockson, T. D. W., Crawford, T. J., & Prata, D., Authenticity recognition in laughter and crying - a pupillometry approach. SynaNet Consortium Meeting. Faculdade de Medicina da Universidade de Lisboa, Portugal
- 08/2018** Cosme, G., Rosa, P. J., Lima, C. F., Tavares, V., & Prata, D., Authenticity recognition in laughter and crying - a pupillometry and machine learning approach. Methods and Research on Gaze Tracking. Instituto Superior Técnico, Portugal.

Poster Presentations

- 05/2023** Cosme, G., Esteves, R., Diogo, V., Prata, D., Oxytocin's role on central and autonomic neurocorrelates of salience attribution: a pupillometry and eye-gaze study. FENS Regional Meeting, Algarve, Portugal.
- 02/2022** Cosme, G., & Prata, D., The role of oxytocin in social decision making: a pharmaco-neuroimaging approach. Dia do Departamento de Física da Faculdade de Ciências da Universidade de Lisboa.

03/2021 Cosme, G., Arriaga, P., Rosa, P. J., Mehta, M., Prata, D., Temporal dynamics of intranasal oxytocin in the sympathetic and parasympathetic nervous systems at rest. European Neuroscience Conference by Doctoral Students (ENCODS). Online

05/2020 Cosme, G., Rosa, P. J., Lima, C. F., Tavares, V., Scott, S., Chen, S., Wilcockson, T. D. W., Crawford, T. J., & Prata, D., Pupil size during authenticity recognition in laughter and crying. Cognitive Neuroscience Society (CNS). Online.

Reviewer

International Journal of Psychophysiology (IF: 2.90)

2021

Societies & Groups Membership

Cognitive Neuroscience Society (CNS)

Since 2020

Sociedade Portuguesa de Neurociência (SPN) member #936

Since 2023

European Brain and Behaviour Society (EBBS) member #20.1324

Since 2023

Other interests

Volleyball

2003 – Present
(Team captain for 10 years)