






CONTACT

 Cognitive Science Group
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GABRIEL DELLA BELLA

PhD in Physics Student



EDUCATION

- 2020-** **PhD in Physics**
Universidad Nacional de Córdoba (UNC), Argentina
Supervisor: Pedro W. Lamberti
Co-supervisor: Pablo Barttfeld
Project: Entropic Complexity Measures for Neuroimage Classification Applied to Neuropsychological Assessment
- 2014-2019** **Master of Sciences, Physics**
Universidad Nacional de Córdoba (UNC), Argentina



RESEARCH STAYS

- 2023** **Toulouse Neuroimaging Center (1 month)**
Toulouse, France



GRANTS AND SCHOLARSHIPS

- 2024** **PIP 2023-2025**
Research in Informational Physics: Advances in Quantum Information and Other Fields
- 2022** **STIC-Amsud Program**
Study of the functional and structural connectomes for the prediction and neurological evolution of anoxo ischemic coma patients
- 2020** **PhD Scholarship CONICET**
Entropic Complexity Measures for Neuroimage Classification Applied to Neuropsychological Assessment
- 2018** **SECYT**
Information Geometry Methods with Applications to Quantum Information and Time Series Processing



JOURNAL PUBLICATIONS

- 2024** Hazelton J*, **Della Bella G***, Barttfeld, P, Dottori M, Gonzalez-Gomez R, Migeot J, Moguilner S, Legaz A, Hernandez H, Prado P, Cuadros J, Maito M, Fraile-Vazques M, Gonzalez Gadea M, Çatal Y, Miller B, Piguet O, Northoff G, Ibanez A. Altered spatiotemporal brain dynamics of interoception in behavioural-variant frontotemporal dementia *eBioMedicine*. (2025). *equal contribution.
- 2023** Comay N, **Della Bella G**, Lamberti P W, Sigman M, Solovey G, Barttfeld P. The presence of irrelevant alternatives paradoxically increases confidence in perceptual decisions. *Cognition* (2023)
- 2022** **Della Bella G***, Zang D*, Gui P*, Mateos D, Sitt J, Bekinschtein T, Manasova D, Sarton B, Ferre F, Silva S, Lamberti P W, Wu X, Mao Y, Wang L, Barttfeld P. EEG brain states for realtime detection of covert cognition in disorders of consciousness. *preprint* (2022). *equal contribution



PRESENTATIONS

- 2024** Poster in Argentine Society for Neuroscience 2024
Brain dynamic organization at the acute stage of coma
- 2020** E-Poster in Argentine Society for Neuroscience 2020
Effect of subliminal feedback on metacognition in a visual perception task



EXPERIENCE AS REVIEWER

Peer Review for Journals
Neuroimage: Reports



HUMAN RESOURCES TRAINING

- 2025 (est.)** Sebastián Galván Rial. MSc. in Psychology, UNC.
- 2024** Lorenzo Fuchs Herrera. MSc. in Biomedical Engineering, UNC.



TEACHING EXPERIENCE

- 2024** **Diagnosis and Prognosis of Patients with Disorders of Consciousness through EEG-Based Estimated Brain States**
Research practice for undergraduates in Psychology at UNC.
Assistant Professor
- 2023** **A Practical Introduction to Cognitive Science**
Postgraduate course, Psychology, UNC.
- 2019** **Introductory Course**
Faculty of Mathematics, Astronomy and Physics, UNC.
Assistant Professor
- 2017-2018** **Experimental Physics I, II and III**
Faculty of Mathematics, Astronomy and Physics, UNC.
Assistant Professor