

AGUSTIN PEREZ SANTANGELO

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EDUCATION

Ph.D. in Biology (Neuroscience), University of Buenos Aires, 2016-present day.

Degree in Molecular Biology and Biotechnology (Licenciatura), University of Buenos Aires, 2006-2013.

RESEARCH INTERESTS

Cognitive Neuroscience; Human Behavior; Decision-Making; Evidence-Based Policy-Making; Computational Models; Bayesian Inference; Emotions; Music.

RESEARCH

Ph.D. Candidate, 2016-present day

Concentrations: Decision-making, Computational Modeling of Cognition and Behavior, Emotions, Physiology.

Thesis: *"Cognitive effects of context on human decision-making"*.

Advisors: Mariano Sigman, Ph.D., Maria Juliana Leone, Ph.D.

Laboratorio de Neurociencia, Torcuato Di Tella University.

Laboratory Technician, 2015-2016

Concentrations: Molecular Markers, Genetic Profiling, Degraded DNA.

Research and development project: *"Design of long ssDNA polynucleotides to amplify STRs loci in degraded DNA samples"*.

Advisors: M.Sc. Martin Mautner.

Biodynamics S.R.L.

Undergraduate Research Assistant, 2011-2013

Concentrations: Behavior, Circadian Rhythms, Genetics, Neural Pathways.

Undergraduate research project: *"Molecular Pathways of Circadian Behavior in D. Melanogaster"*.

Advisor: Maria Fernanda Ceriani, Ph.D.

Behavioral Genetics Laboratory, Fundación Instituto Leloir.

PUBLICATIONS

- Perez Santangelo, A., & Solovey, G. (2020). "Time to shine: reliable timing using R-Shiny for online experiments" (preprint). <https://doi.org/10.31234/osf.io/nuxdg>

- Perez Santangelo, A.; Ludwig, C.; Navajas, J.; Sigman, M.; Leone, M.J. (2020). *"The Beatable Mind: Music changes the policy of human decision-making"*. In review.
- Hermida, M. J.; Perez Santangelo, A.; Calero, C.I.; Goizueta, C.; Espinosa, M.; Sigman, M. (2020). *"Learning-by-teaching approach improves children and parent's dengue knowledge"*. In review.
- Mautner, M. E.; Santangelo, A. P.; Bielsa, R. M. C.; Sala, A.; Ginart, S.; Corach, D. (2017). *"Using long ssDNA polynucleotides to amplify STRs loci in degraded DNA samples"*. PLoS ONE 12(11), e0187190
- Beckwith E. J.; Gorostiza, E. A.; Berni, J.; Rezával, C.; Perez-Santangelo, A.; Nadra, A. D. et al. (2013) *"Circadian Period Integrates Network Information Through Activation of the BMP Signaling Pathway"*. PLoS Biology 11(12): e1001733.

GRANTS

- Diversity grant for the FENS 2020 Virtual Forum, ALBA-FKNE-YIBRO, 2020.
- Fee waiver, Neuromatch Academy, 2020.
- International Travel Grant, International Brain Research Organization (IBRO), 2019.
- Fee waiver and travel grant, HelloBio - European Neuroscience Conference for Doctoral Students (ENCODS), 2019.
- Doctoral Scholarship, National Scientific and Technical Research Council, 2016.
- Sarmiento Scholarship for undergraduate students, University of Buenos Aires, 2007.

RELEVANT SKILLS

- Extensive programming experience with R (including Shiny and R Markdown), MATLAB and Python, for the implementation of experimental paradigms, data collection, analysis, visualization, and communication.
- Statistical analysis and (multi-level) modelling in both frequentist and Bayesian frameworks (with R).
- Extensive experience in audio, image, and video edition software (Cubase, Adobe Illustrator, Adobe Premiere, Sony Vegas, SoundForge, Adobe LightRoom).
- Fluent in Spanish (first language) and English (IELTS overall score: 8); basic Portuguese and French.

CONFERENCE ABSTRACTS

- Perez Santangelo, A.; Navajas, J.; Sigman, M.; Leone, M.J. *"Cognitive effects of music tempo on decision-making in humans"*. [Poster]. Argentinian Society for Behavioral Sciences XVII Annual Meeting. Posadas, Argentina. August 2019.
- Perez Santangelo, A.; Navajas, J.; Sigman, M.; Leone, M.J. *"The beatable mind: cognitive effects of music tempo on human decision-making, a model-based approach"*. [Short-Talk]. MathPsych/ICCM Annual Meeting. Montreal, Canada. July 2019.
- Perez Santangelo, A.; Navajas, J.; Sigman, M.; Leone, M.J. *"The beatable mind: cognitive effects of music tempo on human decision-making, a model-based approach"*. [Short-Talk]. ENCODS Annual Conference. London, UK. June 2019.
- Beckwith, E J; Gorostiza, E A; Pérez Santángelo, A.; Berni, J; Rezával, C; Nadra, A; Ceriani, M F. *"Circadian period is the result of the interaction between the cell autonomous clock and the BMP retrograde signaling pathway"*.

[Poster]. Argentinian Society for Neuroscience Research XXVII Annual Congress. Córdoba, Argentina. October 2012.

TALKS/SCIENCE COMMUNICATION

- “Cognitive effects of context on human decision-making”. “Fundamentals and Applications of Interdiscipline” Interdisciplinary Symposium. University of Buenos Aires. Buenos Aires, Argentina. March 2019.
- “Time Perception”. “Space. Polyphonies. Memory” Interdisciplinary Symposium. National University of “Tres de Febrero”. Buenos Aires, Argentina. December 2018.

TEACHING EXPERIENCE

Professor, 2015-present day, National University of “Tres de Febrero”. Course: Chess & Science.

Teacher, 2016-2017, “Santa Teresita del Niño Jesus” High School. Course: Science.

PROFESSIONAL MEMBERSHIPS

- Argentinian Society for Neuroscience Research (SAN).
- Society for Mathematical Psychology (SMP).

CERTIFICATIONS

- “Neuromatch Academy interactive track and project completion”, Neuromatch 2020 (online summer-school).
- “Protecting Human Research Participants”, Certification Number 2935136, NIH (online course).

EMPLOYMENT HISTORY

Lead laboratory technician, 2008-2016, Molecular Biology Laboratory, Biodynamics S.R.L.