

CURRICULUM VITAE

Nombre: Mariano Sigman

Nacionalidad: Argentina

Fecha de Nacimiento: 21 – 10 – 1972

Lugar de Nacimiento: Buenos Aires, Argentina

- Licenciado en Física, FCEyN, Universidad de Buenos Aires
- Doctorado: Rockefeller University, Nueva York.
- 2013 – presente Profesor Asociado, Universidad Torcuato Di Tella
- 2006 – 2015 Profesor Asistente, Facultad de Ciencias Exactas, Universidad de Buenos Aires.
- 2015 – presente Investigador Principal, CONICET

Formación de Recursos humanos:

Alumnos Dirigidos: 10 Tesis Doctorales y más de 15 tesis de licenciatura o equivalentes.

Distinciones:

- 2016 Pius XI Medal Pontifical Academy of Sciences
- 2012 James S. McDonnell Foundation Scholar: Understanding Human Cognition
- 2011 Premio Enrique Gaviola por destacados méritos científicos en el área de la Física “Academia Nacional de Ciencias Exactas, Físicas y Naturales”
- 2010: “Scalable Data Analytics for A Smarter Planet Innovation Award” (Otorgado por IBM, 15.000 US\$)
- 2007: Career Development Award (Otorgado por Human Frontiers Science Program) (otorgado junto con un subsidio de 300.000 US\$)
- 2006: Dellheim Prize (Joven Investigador, otorgado por el “College de France”)
- 2006: Premio al Joven Investigador, Otorgado por: “Instituto Universitario de la Fundación ISALUD”)

Publicaciones:

1. Santamaria-Garcia, H., et al., The interplay between sharing behavior and beliefs about others in children during dictator games. *J Exp Child Psychol*, 2018. 166: p. 451-464.
2. Romano, S., et al., Bayesian validation of grammar productions for the language of thought. *PLoS One*, 2018. 13(7): p. e0200420.
3. Navajas, J., et al., Aggregated knowledge from a small number of debates outperforms the wisdom of large crowds. *Nature Human Behaviour* 2018.
4. Mikulan, E., et al., Intracranial high-gamma connectivity distinguishes wakefulness from sleep. *Neuroimage*, 2018. 169: p. 265-277.
5. Leone, M.J., et al., Time drawings: Spatial representation of temporal concepts. *Conscious Cogn*, 2018. 59: p. 10-25.
6. Kamienkowski, J.E., et al., Parsing a mental program: Fixation-related brain signatures of unitary operations and routines in natural visual search. *Neuroimage*, 2018.
7. Fernandez Slezak, D., M. Sigman, and G.A. Cecchi, An entropic barriers diffusion theory of decision-making in multiple alternative tasks. *PLoS Comput Biol*, 2018. 14(3): p. e1005961.
8. Casiraghi, L., et al., Social Validation Influences Individuals' Judgments about Ownership. *Frontiers in Integrative Neuroscience*, 2018.12.

9. Carrillo, F., et al., Natural speech algorithm applied to baseline interview data can predict which patients will respond to psilocybin for treatment-resistant depression. *J Affect Disord*, 2018. 230: p. 84-86.
10. Calero, C.I., A.P. Goldin, and M Sigman. The teaching instinct. *Review of Philosophy and Psychology*, 2018. p. 1-12.
11. Calero, C.I., et al., Language, gesture, and judgment: Children's paths to abstract geometry. *J Exp Child Psychol*, 2018. 177: p. 70-85.
12. Barttfeld, P., et al., A lateral-to-mesial organization of human ventral visual cortex at birth. *Brain Struct Funct*, 2018.
13. Babino, A., et al., Maintaining trust when agents can engage in self-deception. *Proc Natl Acad Sci U S A*, 2018. 115(35): p. 8728-8733.
14. Zylberberg, A., et al., Serial, parallel and hierarchical decision making in primates. *Elife*, 2017. 6.
15. Santamaría-García, H., et al., Empathy for others' suffering and its mediators in mental health professionals. *Sci Rep*, 2017. 7.
16. Santamaria-Garcia, H., et al., A lesion model of envy and Schadenfreude: legal, deservingness and moral dimensions as revealed by neurodegeneration. *Brain*, 2017.
17. Rieznik, A., M. Lebedev, and M. Sigman, Dazzled by the Mystery of Mentalism: The Cognitive Neuroscience of Mental Athletes. *Frontiers in Human Neuroscience*, 2017. 11.
18. Rieznik, A., et al., A massive experiment on choice blindness in political decisions: Confidence, confabulation, and unconscious detection of self-deception. *PLoS One*, 2017. 12(2): p. e0171108.
19. Mikulan, E., et al., Time-order-errors and duration ranges in the Episodic Temporal Generalization task. *Scientific Reports*, 2017. 7.
20. Leone, M.J., et al., Time to decide: Diurnal variations on the speed and quality of human decisions. *Cognition*, 2017. 158: p. 44-55.
21. Goldin, A.P., O. Pedroncini, and M. Sigman, Producing or reproducing reasoning? Socratic dialog is very effective, but only for a few. *PLoS One*, 2017. 12(3): p. e0173584.
22. Goitia, B., et al., The relationship between executive functions and fluid intelligence in euthymic Bipolar Disorder patients. *Psychiatry Res*, 2017. 257: p. 346-351.
23. García-Cordero, I., et al., Attention, in and Out: Scalp-Level and Intracranial EEG Correlates of Interoception and Exteroception. *Frontiers in Neuroscience*, 2017. 11.
24. Bavassi, L., et al., Sensorimotor synchronization: neurophysiological markers of the asynchrony in a finger-tapping task. *Psychological research*, 2017. 81(1): p. 143-156.
25. Amoruso, L., et al., Variability in functional brain networks predicts expertise during action observation. *Neuroimage*, 2017. 146: p. 690-700.
26. Amalric, M., et al., The language of geometry: Fast comprehension of geometrical primitives and rules in human adults and preschoolers. *PLoS Comput Biol*, 2017. 13(1): p. e1005273.
27. Altszyler, E., et al., The interpretation of dream meaning: Resolving ambiguity using Latent Semantic Analysis in a small corpus of text. *Conscious Cogn*, 2017.
28. Adolfi, F., et al., Convergence of interoception, emotion, and social cognition: A twofold fMRI meta-analysis and lesion approach. *Cortex*, 2017. 88: p. 124-142.
29. Zimmerman, F., et al., Arithmetic on Your Phone: A Large Scale Investigation of Simple Additions and Multiplications. *PLoS One*, 2016. 11(12): p. e0168431.
30. Solovey, G., et al., Perceptual learning effect on decision and confidence thresholds. *Consciousness and Cognition*, 2016. 45: p. 24-26.
31. Sedeño, L., et al., Brain Network Organization and Social Executive Performance in Frontotemporal Dementia. *Journal of the International Neuropsychological Society: JINS*, 2016. 22(2): p. 250-262.
32. Santamaria-Garcia, H., et al., First Symptoms and Neurocognitive Correlates of Behavioral Variant Frontotemporal Dementia. *J Alzheimers Dis*, 2016. 54(3): p. 957-970.
33. Salles, A., et al., The Metacognitive Abilities of Children and Adults. *Cognitive Development*, 2016. 40: p. 101-110.

34. Paz, L., et al., Confidence through consensus: a neural mechanism for uncertainty monitoring. *Sci Rep*, 2016. 6: p. 21830.
35. Niella, T., N. Stier-Moses, and M. Sigman, Nudging Cooperation in a Crowd Experiment. *PloS one*, 2016. 11(1): p. e0147125.
36. Melloni, M., et al., Your perspective and my benefit: multiple lesion models of self-other integration strategies during social bargaining *Brain*, 2016.
37. Kamienkowski, J.E., et al., Cumulative Repetition Effects Across Multiple Readings of a Word: Evidence From Eye Movements. *Discourse Processes*, 2016: p. 1-16.
38. Gonzalez-Gadea, M.L., et al., Neural markers of social and monetary rewards in children with Attention-Deficit/Hyperactivity Disorder and Autism Spectrum Disorder. *Scientific Reports*, 2016. 6.
39. Garcia, A., et al., How language flows when movements don't: An automated analysis of spontaneous discourse in Parkinson's disease *Brain and Language*, 2016. 162: p. 19-28.
40. Assaneo, M., et al., Exploring the anatomical encoding of voice with a mathematical model of the vocal system. *Corresponding. NeuroImage*, 2016. 141: p. 31–39.
41. Ais, J., et al., Individual consistency in the accuracy and distribution of confidence judgments. *Cognition*, 2016. 146: p. 377-386.
42. Petroni, A., M.J. Carbajal, and M. Sigman, Proprioceptive Body Illusions Modulate the Visual Perception of Reaching Distance. *PloS one*, 2015. 10(6): p. e0131087.
43. Paz, L., et al., Parsing Heuristic and Forward Search in First-Graders' Game-Play Behavior. *Cognitive science*, 2015. 39(5): p. 944-971.
44. Nicenboim, B., et al., Working memory differences in long-distance dependency resolution. *Frontiers in Psychology*, 2015. 6.
45. Meyniel, F., M. Sigman, and Z.F. Mainen, Confidence as Bayesian Probability: From Neural Origins to Behavior. *Neuron*, 2015. 88(1): p. 78-92.
46. Mesz, B., et al., The music of morality and logic. *Frontiers in psychology*, 2015. 6.
47. Lorteije, J.A., et al., The Formation of Hierarchical Decisions in the Visual Cortex. *Neuron*, 2015. 87(6): p. 1344-1356.
48. Lopez-Rosenfeld, M., et al., Quantitative Pedagogy: A Digital Two Player Game to Examine Communicative Competence. *PloS one*, 2015. 10(11): p. e0142579.
49. Lopez-Rosenfeld, M., et al., Neglect in human communication: quantifying the cost of cell-phone interruptions in face to face dialogs. *PloS one*, 2015. 10(6): p. e0125772.
50. Lago, S., et al., Agreement attraction in Spanish comprehension. *Journal of Memory and Language*, 2015. 82: p. 133–149.
51. Kontukoski, M., et al., Sweet and sour: music and taste associations. *Nutrition & Food Science*, 2015. 45(3).
52. Hesse, E., et al., Early detection of intentional harm in the human amygdala. *Brain*, 2015: p. awv336.
53. Gonzalez-Gadea, M.L., et al., Predictive coding in autism spectrum disorder and attention deficit hyperactivity disorder. *Journal of neurophysiology*, 2015. 114(5): p. 2625-2636.
54. Di Tella, R., et al., Conveniently Upset: Avoiding Altruism by Distorting Beliefs about Others' Altruism. *The American Economic Review*, 2015. 105(11): p. 3416-3442.
55. Couto, B., et al., Heart evoked potential triggers brain responses to natural affective scenes: A preliminary study. *Autonomic Neuroscience*, 2015. 193: p. 132-137.
56. Couto, B., et al., Disentangling interoception: insights from focal strokes affecting the perception of external and internal milieus. *Frontiers in psychology*, 2015. 6.
57. Carrillo, F., et al., Fast Distributed Dynamics of Semantic Networks via Social Media. *Computational Intelligence and Neuroscience*, 2015. 2015(712835): p. 1 - 9.
58. Canales-Johnson, A., et al., Auditory feedback differentially modulates behavioral and neural markers of objective and subjective performance when tapping to your heartbeat. *Cerebral Cortex*, 2015: p. bhv076.
59. Calero, C.I., et al., Young children are natural pedagogues. *Cognitive Development*, 2015. 35: p. 65 - 78.

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62. Barttfeld, P., et al., Factoring the brain signatures of anesthesia concentration and level of arousal across individuals. *NeuroImage: Clinical*, 2015. 9: p. 385-391.
63. Zylberberg, A., P.R. Roelfsema, and M. Sigman, Variance misperception explains illusions of confidence in simple perceptual decisions. *Consciousness and Cognition*, 2014. 27: p. 246-253.
64. Strauss, S., C.I. Calero, and M. Sigman, Teaching, naturally. *Trends in Neuroscience and Education*, 2014. 3: p. 38-43.
65. Sitt, J.D., et al., Large scale screening of neural signatures of consciousness in patients in a vegetative or minimally conscious state. *Brain*, 2014. 137(8): p. 2258-2270.
66. Sigman, M., et al., Neuroscience and education: prime time to build the bridge. *Nature Neuroscience*, 2014. 17: p. 497-502.
67. Sedeño, L., et al., How Do You Feel when You Can't Feel Your Body? Interoception, Functional Connectivity and Emotional Processing in Depersonalization-Derealization Disorder. *PLoS ONE*, 2014. 9: p. e98769.
68. Reis, S.D.S., et al., Avoiding catastrophic failure in correlated networks of networks. *Nature Physics*, 2014. 10: p. 762-767.
69. Navajas, J., M. Sigman, and J.E. Kamienkowski, Dynamics of visibility, confidence, and choice during eye movements. *Journal of Experimental Psychology: Human Perception and Performance*, 2014. 40.
70. Leone, M.J., et al., The geometry of expertise. *Frontiers in Psychology*, 2014. 5: p. 47.
71. Kaunitz, L.N., et al., Looking for a face in the crowd: Fixation-related potentials in an eye-movement visual search task. *NeuroImage*, 2014. 89: p. 297-305.
72. Ibáñez, A., et al., From neural signatures of emotional modulation to social cognition: individual differences in healthy volunteers and psychiatric participants. *Social Cognitive and Affective Neuroscience*, 2014. 9: p. 939-50.
73. Graziano, M., L.C. Parra, and M. Sigman, Neural Correlates of Perceived Confidence in a Partial Report Paradigm. *Journal of Cognitive Neuroscience*, 2014: p. 1-14.
74. Goldin, A.P., et al., Far transfer to language and math of a short software-based gaming intervention. *Proceedings of the National Academy of Sciences*, 2014. 111: p. 6443-6448.
75. Fernández, G., et al., Eye movements during reading proverbs and regular sentences: the incoming word predictability effect. *Language, Cognition and Neuroscience*, 2014. 29: p. 260-273.
76. Bedi, G., et al., A Window into the Intoxicated Mind? Speech as an Index of Psychoactive Drug Effects. *Neuropsychopharmacology*, 2014. 39(10): p. 2340-2348.
77. Barttfeld, P., et al., Functional Connectivity and Temporal Variability of Brain Connections in Adults with Attention Deficit/Hyperactivity Disorder and Bipolar Disorder. *Neuropsychobiology*, 2014. 69: p. 65-75.
78. Amoruso, L., et al., Time to Tango: Expertise and contextual anticipation during action observation. *Neuroimage*, 2014. 98: p. 366-385.
79. Zylberberg, A.D., et al., A neuronal device for the control of multi-step computations. *Papers in Physics*, 2013. 5: p. 050006.
80. Shalom, D.E. and M. Sigman, Freedom and rules in human sequential performance: A refractory period in eye-hand coordination. *Journal of Vision*, 2013. 13: p. 4-4.
81. Shalom, D.E., et al., Choosing in Freedom or Forced to Choose? Introspective Blindness to Psychological Forcing in Stage-Magic. *PLoS ONE*, 2013. 8: p. e58254.
82. Romano, S., M. Sigman, and S. Figueira, LT²C² : A language of thought with Turing-computable Kolmogorov complexity. *Papers in Physics*, 2013. 5: p. 050001.
83. Melloni, M., et al., Preliminary evidence about the effects of meditation on interoceptive sensitivity and social cognition. *Behavioral and Brain Functions*, 2013. 9: p. 47.

84. Lopez-Rosenfeld, M., et al., Mate Marote: A flexible automated framework for large-scale educational interventions. *Computers & Education*, 2013. 68: p. 307-313.
85. López, S., et al., Vocal caricatures reveal signatures of speaker identity. *Scientific reports*, 2013. 3: p. 3407.
86. Holper, L., et al., The teaching and the learning brain: A cortical hemodynamic marker of teacher–student interactions in the Socratic dialog. *International Journal of Educational Research*, 2013. 59: p. 1-10.
87. Goldin, A.P., et al., Training planning and working memory in third graders. *Mind, Brain, and Education*, 2013. 7: p. 136–146.
88. Goldin, A.P., et al., Educating to Build Bridges. *Mind, Brain, and Education*, 2013. 7: p. 101–103.
89. Evers, K and M. Sigman, Lectura de la mente. Una perspectiva neurofilosófica. *Recerca*, 2013. 13 p. 43-62
90. Evers, K. and M. Sigman, Possibilities and limits of mind-reading: A neurophilosophical perspective. *Consciousness and Cognition*, 2013. 22: p. 887-897.
91. Escobar, M.J., et al., Attachment Patterns Trigger Differential Neural Signature of Emotional Processing in Adolescents. *PLoS ONE*, 2013. 8: p. e70247.
92. Couto, B., et al., Insular networks for emotional processing and social cognition: Comparison of two case reports with either cortical or subcortical involvement. *Cortex*, 2013. 49: p. 1420-1434.
93. Couto, B., et al., The man who feels two hearts: the different pathways of interoception. *Social cognitive and affective neuroscience*, 2013. 9(9): p. nst108.
94. Calero, C.I., et al., Age and gender dependent development of Theory of Mind in 6- to 8-years old children. *Frontiers in Human Neuroscience*, 2013. 7: p. 281.
95. Battro, A.M., et al., The Cognitive Neuroscience of the Teacher–Student Interaction. *Mind, Brain, and Education*, 2013. 7: p. 177–181.
96. Barttfeld, P., et al., Distinct patterns of functional brain connectivity correlate with objective performance and subjective beliefs. *Proceedings of the National Academy of Sciences*, 2013. 110: p. 11577-11582.
97. Barttfeld, P., et al., Organization of brain networks governed by long-range connections index autistic traits in the general population. *Journal of neurodevelopmental disorders*, 2013. 5: p. 16.
98. Zylberberg, A., et al., Decision Making during the Psychological Refractory Period. *Current Biology*, 2012. 22: p. 1795-1799.
99. Zylberberg, A., M. Oliva, and M. Sigman, Pupil Dilation: A Fingerprint of Temporal Selection During the “Attentional Blink”. *Frontiers in Psychology*, 2012. 3.
100. Zylberberg, A., et al., When order matters: Last-come first-served effect in sequential arithmetic operations. *Journal of Integrative Neuroscience*, 2012. 11: p. 385-399.
101. Zylberberg, A., P. Barttfeld, and M. Sigman, The construction of confidence in a perceptual decision. *Frontiers in Integrative Neuroscience*, 2012. 6: p. 79.
102. Slezak, D.F. and M. Sigman, Do not fear your opponent: Suboptimal changes of a prevention strategy when facing stronger opponents. *Journal of Experimental Psychology: General*, 2012. 141: p. 527-538.
103. Schneider, E., et al., Eye gaze reveals a fast, parallel extraction of the syntax of arithmetic formulas. *Cognition*, 2012. 125: p. 475-490.
104. Raimondo, F., et al., CUDAICA: GPU Optimization of Infomax-ICA EEG Analysis. *Computational Intelligence and Neuroscience*, 2012. 2012: p. 1-8.
105. Mesz, B., M. Sigman, and M.A. Trevisan, A composition algorithm based on crossmodal taste-music correspondences. *Frontiers in Human Neuroscience*, 2012. 6.
106. Maruyama, M., et al., The cortical representation of simple mathematical expressions. *NeuroImage*, 2012. 61: p. 1444-1460.
107. Marti, S., M. Sigman, and S. Dehaene, A shared cortical bottleneck underlying Attentional Blink and Psychological Refractory Period. *NeuroImage*, 2012. 59: p. 2883-2898.

108. Leone, M.J., et al., The tell-tale heart: heart rate fluctuations index objective and subjective events during a game of chess. *Frontiers in Human Neuroscience*, 2012. 6: p. 273.
109. Kamienkowski, J.E., J. Navajas, and M. Sigman, Eye movements blink the attentional blink. *Journal of Experimental Psychology: Human Perception and Performance*, 2012. 38: p. 555-560.
110. Kamienkowski, J.E., et al., Fixation-related potentials in visual search: A combined EEG and eye tracking study. *Journal of Vision*, 2012. 12: p. 4-4.
111. Ibáñez, A., et al., The neural basis of decision-making and reward processing in adults with euthymic bipolar disorder or attention-deficit/hyperactivity disorder (ADHD). *PLoS ONE*, 2012. 7: p. e37306.
112. Ibanez, A., et al., Neural Processing of Emotional Facial and Semantic Expressions in Euthymic Bipolar Disorder (BD) and Its Association with Theory of Mind (ToM). *PLoS ONE*, 2012. 7: p. e46877.
113. Gallos, L.K., M. Sigman, and H.A. Makse, The Conundrum of Functional Brain Networks: Small-World Efficiency or Fractal Modularity. *Frontiers in Physiology*, 2012. 3.
114. Gallos, L.K., H.A. Makse, and M. Sigman, A small world of weak ties provides optimal global integration of self-similar modules in functional brain networks. *Proceedings of the National Academy of Sciences*, 2012. 109: p. 2825–2830.
115. Gallos, L.K., et al., Collective behavior in the spatial spreading of obesity. *Scientific Reports*, 2012. 2.
116. Fan, Z., et al., The cost of serially chaining two cognitive operations. *Psychological Research*, 2012. 76: p. 566-578.
117. Diuk, C.G., et al., A quantitative philology of introspection. *Frontiers in Integrative Neuroscience*, 2012. 6.
118. Dehaene, S. and M. Sigman, From a single decision to a multi-step algorithm. *Current Opinion in Neurobiology*, 2012. 22: p. 937-945.
119. Dagnino, B., J. Navajas, and M. Sigman, Eye Fixations Indicate Men's Preference for Female Breasts or Buttocks. *Archives of Sexual Behavior*, 2012. 41: p. 929-937.
120. Barttfeld, P., et al., State-dependent changes of connectivity patterns and functional brain network topology in autism spectrum disorder. *Neuropsychologia*, 2012. 50: p. 3653-3662.
121. Zylberberg, A., et al., The human Turing machine: a neural framework for mental programs. *Trends in cognitive sciences*, 2011. 15: p. 293–300.
122. Shalom, D.E., B. Dagnino, and M. Sigman, Looking at Breakout: Urgency and predictability direct eye events. *Vision Research*, 2011. 51: p. 1262-1272.
123. Petroni, A., et al., The cortical processing of facial emotional expression is associated with social cognition skills and executive functioning: A preliminary study. *Neuroscience Letters*, 2011. 505: p. 41-46.
124. Mesz, B., M.A. Trevisan, and M. Sigman, The taste of music. *Perception*, 2011. 40: p. 209-219.
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126. Ibáñez, A., et al., Cortical deficits of emotional face processing in adults with ADHD: Its relation to social cognition and executive function. *Social Neuroscience*, 2011. 6: p. 464-481.
127. Holper, L., et al., Understanding inverse oxygenation responses during motor imagery: a functional near-infrared spectroscopy study. *European Journal of Neuroscience*, 2011. 33: p. 2318-2328.
128. Graziano, M., et al., Parsing a perceptual decision into a sequence of moments of thought. *Frontiers in Integrative Neuroscience*, 2011. 5.
129. Goldin, A.P., et al., From ancient Greece to modern education: Universality and lack of generalization of the Socratic dialogue. *Mind, Brain, and Education*, 2011. 5: p. 180–185.

130. Bekinschtein, T.A., et al., Sea Slugs, Subliminal Pictures, and Vegetative State Patients: Boundaries of Consciousness in Classical Conditioning. *Frontiers in Psychology*, 2011. 2.
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134. Marti, S., et al., Mapping introspection's blind spot: Reconstruction of dual-task phenomenology using quantified introspection. *Cognition*, 2010. 115: p. 303-313.
135. Zylberberg, A.D., et al., Neurophysiological bases of exponential sensory decay and top-down memory retrieval: a model. *Frontiers in Computational Neuroscience*, 2009. 3.
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155. Sigman, M., et al., On a common circle: natural scenes and Gestalt rules. *Proceedings of the National Academy of Sciences*, 2001. 98: p. 1935–1940.

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Libros:

- Sigman, M. *The Secret life of the mind*. Publisher: Harper Collins (2017) ISBN:9780316549622
- Sigman, M. “*La vida secreta de la mente*”. Publisher: Debate (2015) ISBN: 9789873752315
- S. Lipina y M. Sigman (Editores) “*La pizarra de Babel*” (2012) Editorial El Zorzal, ISBN: 9789875991965
- M. Sigman. “*El breve lapso entre el huevo y la gallina*”. (2004) Ediciones Le Monde Diplomatique ISBN 9879873173

Arte:

Proyectos en colaboración con Mariano Sardon

- *Drawing by Numbers*, "Images of Journeys, Movement on Space" Exhibition. The New Pushkin Museum. Moscow. 57th International Art Exhibition. VIVA ARTE VIVA. Biennale di Venezia. 2017.
- *All I have of your memories is a map*, "Images of Journeys, Movement on Space" Exhibition. The New Pushkin Museum. Moscow, 2017. 57th International Art Exhibition. VIVA ARTE VIVA. Biennale di Venezia, 2017.
- *The Locke's Answer*, "Reading Room" Exhibition. Ruth Benzacar Gallery. Buenos Aires, Argentina, 2016.
- *Read unread*, "Reading Room" Exhibition. Ruth Benzacar Gallery. Buenos Aires, Argentina, 2016.
- *Reading Sessions*, "Reading Room" Exhibition. Ruth Benzacar Gallery. Buenos Aires, Argentina, 2016.
- *Conducted by the Eyes*, "Reading Room" Exhibition. Ruth Benzacar Gallery. Buenos Aires, Argentina, 2016.
- *Burning by Gazes*, "Reading Room" Exhibition. Ruth Benzacar Gallery. Buenos Aires, Argentina, 2016.
- *Five Readers for a Chinese Tale*, "Reading Room" Exhibition. Ruth Benzacar Gallery. Buenos Aires, Argentina, 2016.
- *Subjective Views*, "Reading Room" Exhibition. Ruth Benzacar Gallery. Buenos Aires, Argentina, 2016.
- *Micro-scenes for two*, Museo de la Universidad Nacional de Tres de Febrero Arte-Ciencia, Buenos Aires, Argentina, 2014.
- *200 gazes looking around them*, Museum of Universidad de Tres de Febrero, Tecnopolis, 2013.
- *Tisch der Blicke / The table of gazes*, Total Recall, Ars Electronica Festival, Linz, Austria, 2014.
- *The wall of gazes*, Ruth Benzacar Gallery. Buenos Aires. 2012. Bryce Wolkowitz Gallery, New York, 2013. PULSE Miami. Bryce Wolkowitz Gallery. 2013. Miami. The AIPAD Photography Show, Bryce Wolkowitz Gallery. 2014, New York. Digital Dreams. Moscow. 2014. House of Impressions. Classic and Contemporary Media Art. Pushkin Museum. Moscow. 2016.

- *Morphologies of Gazes*, Ruth Benzacar Gallery. Buenos Aires, Argentina, 2011.

Cargos en la actividad pública o privada:

- (2015-Presente) Miembro de la Sociedad Internación de mente, cerebro y educación (IMBES)
- (2011 – Presente) Miembro de la Subcomisión de Didáctica y Filosofía de la Ciencia, FCEyN, Universidad de Buenos Aires
- (2011 - Presente) Miembro de la Comisión de Ingresos del Departamento de Física, Facultad de Ciencias Exactas y Naturales
- (2009 – Presente) Miembro de la Comisión de Profesores Visitantes del Departamento de Física de Ciencias Exactas y Naturales, Universidad de Buenos Aires
- (2009 – Presente) Miembro de la Comisión de Doctorado de la Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires
- (2009 – Presente) Miembro del Comité Directivo y Organizador: Escuela Latinoamericana de Educación, Ciencias Cognitivas y Neurociencias (James S. McDonnell Foundation).
- (2008 – Presente) Miembro de la Subcomisión de Doctorado de Física, FCEyN, Universidad de Buenos Aires
- (2005 – Presente) Miembro del Comité Ejecutivo: Fundación Mundo Sano
- (2002 – Presente) Director de Investigación, Instituto de Neurociencias de Buenos Aires (INEBA)
- (2001 – Presente) Colaborador “Le Monde Diplomatique” Edición Internacional, París, Francia.
- (2000) Columnista encargado de la sección de ciencia, del programa de Radio Mitre “Mirá lo que te digo”.
- (1998-2000) Director de la colección de libros de divulgación científica *Curiosamente* de Ediciones Granica.
- (1997-2001) Miembro de la redacción de la revista semanal “3 Puntos”. Responsable de la columna de ciencia (Más de 200 artículos publicados).

Subsidios Vigentes:

Año 2014

Subsidio: PICT-2013-1653

Patrocinador: ANPCyT - FONCyT

Título: From a single decision to a multi-step algorithm: a neural framework for mental programs

Período: 11/2014-05/2018

Presupuesto total: ARS 480.000

Rol: Investigador responsable

Año 2014

Subsidio: Universidad Hebrea de Jerusalem, Convenio de Cooperación.

Periodo 2014-2016

Presupuesto 150.000 USD

Año 2013

Subsidio: Human Brain Project

Periodo 2013-2018

Presupuesto 350.000 Euros

Año 2012

Subsidio: Understanding Human Cognition
Sponsor: JSMF
Título: OLPC@school – From single decision to mental programs
Período: 08/12-08/18
Presupuesto: 600.000 US\$

Actividad Editorial y Organización de Eventos:

Evaluador de las siguientes publicaciones:

- Current Biology, Nature Neuroscience, Proceedings of The National Academy of Science (PNAS), PLoS Computational Biology, Journal of Neuroscience y otras 15 publicaciones.

Divulgación:

- Charla TED (Abril, 2017) *Mariano Sigman y Dan Ariely en TED Studio: ¿Cómo pueden los grupos tomar buenas decisiones?*
https://www.ted.com/talks/mariano_sigman_and_dan_ariely_how_can_groups_make_good_decisions
- Programa de televisión. "El Cerebro y yo". Canal encuentro. Co-guionista y co-conductor con Diego Golombek. <https://www.youtube.com/watch?v=N0TY8k1d988>
<https://www.youtube.com/watch?v=tAkEpkruKag>
<https://www.youtube.com/watch?v=KFKz6NXNH9w>
<https://www.youtube.com/watch?v=lcWLHjKIRkE&spfreload=5>
<https://www.youtube.com/watch?v=tApuGBdp3Fs>
<https://www.youtube.com/watch?v=MpK1mYSfkuo>
<https://www.youtube.com/watch?v=8INJLH8iJRk>
<https://www.youtube.com/watch?v=Lz4AfMNb0K4>
- Charla TED (Febrero, 2016) *Mariano Sigman: Tus palabras pueden predecir tu salud mental futura.*
https://www.ted.com/talks/mariano_sigman_your_words_may_predict_your_future_mental_health?language=es
- TEDxRiodelaPlata (24 de Septiembre, 2015) *Mariano Sigman: TEDxperiments2015.*
<http://www.tedxriodelaplata.org/videos/tedxperiments-2015>
- TEDxRiodelaPlata (1 de Octubre, 2014) *Mariano Sigman: Por qué no cooperamos- TEDxperiments 2014.*
<http://www.tedxriodelaplata.org/videos/por-qu%C3%A9-no-cooperamos-tedxperiments-2014>
- TEDxRiodelaPlata (28 de Septiembre, 2013) *Mariano Sigman: TEDxperiments.*
<http://www.tedxriodelaplata.org/videos/tedxperiments>
- TEDxRiodelaPlata (8 de Abril, 2010) *Mariano Sigman: La Maquina que construye la realidad.*
<http://www.tedxriodelaplata.org/videos/m%C3%A1quina-construye-realidad>
- Columnista en Perros de la Calle (Programa Radial)
<http://perros.metro951.com/category/secciones/sigman-secciones/>