

A. Research and Professional Experience

- PhD in Computer Science, Universidad de Buenos Aires, Dec. 2010, graduation with honors.

Professional Experience

- 2003-2010: Teaching Assistant, Computer Science Department, FCEN, UBA.
- 2012: Visiting Professor, Instituto do Cerebro, UFRN, Natal, Brasil
- 2012-2014: Head of Computer Science Department, FCEN, UBA, Argentina.
- 2010–now: Professor (with tenure), Computer Science Department, FCEN, UBA.
- 2011–now: M.D.-Ph.D. Committee, Computer Science and Physics Department, FCEN, UBA.
- 2012–now: Research Staff, National Council of Research (CONICET), Argentina.

Honors and Awards

- 2003: Honors Diploma, Lic. in Computer Science, University of Buenos Aires, Argentina.
- 2006: PhD Scholarship, National Agency of Science (ANPCyT), Argentina.
- 2006: PhD Award, YPF Foundation, Argentina.
- 2007: IBM PhD. Fellowship, <http://www.ibm.com/developerworks/university/phdfellowship/>.
- 2008-2009: Internship, T. J. Watson Research Institute, IBM Research, NY, USA, Mentor: Gustavo Stolovitzky, Functional Genomics and Systems Biology, Computational Biology Department.
- 2014: Microsoft Faculty Fellowship, Microsoft Research, USA.
<http://research.microsoft.com/en-us/collaboration/awards/msrff.aspx#2014>

B. Selected Peer-reviewed Publications (from a list of 50+ total)

1. Melina Vladisauskas, Laouen Mayal Belloli, Diego Fernandez Slezak, Andrea Paula Goldin, *A Machine Learning approach to personalize cognitive training interventions*, *Frontiers in Artificial Intelligence*, 5, 2022.
2. Sigman, Mariano, Diego Fernandez Slezak, Lucas Drucaroff, Sidarta Ribeiro, and Facundo Carrillo. *Artificial and Human Intelligence in Mental Health* AI Magazine 42, no. 1 (2021): 39-46.
3. C. Corcoran, F. Carrillo, D. Fernandez-Slezak, G. Bedi, C. Klim, D. Javitt, C. Bearden, G. Cecchi, *Prediction of psychosis across protocols and risk cohorts using automated language analysis*, *World Psychiatry*, 17: 67–75. doi:10.1002/wps.20491, 2018.
4. G. Bedi, F. Carrillo, G. Cecchi, D. Fernandez Slezak, M. Sigman, N. Mota, S. Ribeiro, D. Javitt, M. Copelli, C. Corcoran, *Automated Analysis of Free Speech Predicts Psychosis Onset in High-Risk Youths*, *npj Schizophrenia* 1, 15030, 2015.
5. M. Lopez-Rosenfeld, F. Carrillo, G. Garbulsky, D. Fernandez Slezak, M. Sigman, *Quantitative Pedagogy: A Digital Two Player Game to Examine Communicative Competence*, *PLoS ONE*, November, ID 0142579, 2015.
6. A. Goldin, M.J. Hermida, D. Shalom, M. Elias Costa, M. Lopez-Rosenfeld, M.S. Segretin, D. Fernandez Slezak, S. Lipina, M. Sigman, *Far transfer to Language and Math of a short software-based gaming interventions*, *PNAS*, vol. 111 (17), pp. 6443–6448, 2014.
7. G. Bedi, G. Cecchi, D. Fernandez Slezak, F. Carrillo, M. Sigman, H. de Wit, *A Window into the Intoxicated Mind: Speech as an Index of Psychoactive Drug Effects*, *Neuropsychopharmacology*, vol. 39(10), pp. 2340-2348, 2014.
8. M.J. Leone, D. Fernandez Slezak, G. Cecchi, M. Sigman, *The geometry of expertise*, *Frontiers in Psychology*, 5:47, 2014.
9. C. Diuk, D. Fernandez Slezak, I. Raskovsky, M. Sigman and G. Cecchi, *A quantitative philology of introspection*, *Frontiers in Integrative Neuroscience*, vol 6 (80), 2012.
10. D. Fernandez Slezak and M. Sigman, *Do not fear your opponent: sub-optimal changes of a prevention strategy when facing stronger opponents*, *Journal of Experimental Psychology: General*, vol 141(3), pp. 527–538, 2012.
11. D. Fernández Slezak, C. Suárez, G. Cecchi, G. Marshall and G. Stolovitzky, *When the optimal is not the best: parameter estimation in complex biological models*, *PLoS ONE* 5(10): e13283, 2010.
12. A. Zylberberg, D. Fernández Slezak, P. Roelfsema, S. Dehaene and M. Sigman, *The Brain's Router: A Cortical Network Model of Serial Processing in the Primate Brain*, *PLoS Comput Biol* 6(4): e1000765, 2010.

C. Research Projects

- (PI) Boehringer-Ingelheim, Advancement of methods and knowledge of automated speech analysis in psychiatric diseases, €150.000, 2017-2023.
- (PI) PIP 2021-2023 GI - 11220200103133CO, Herramientas de NLP en español para la cuantificación de desorganización del discurso: aplicaciones a psiquiatría, 2021-2023, Monto total: USD6000.
- (PI) **Análisis automático de texto para la detección de patrones estereotipados del pensamiento humano** (Text mining for the pattern recognition in human thought), funded by ANPCyT and UBA, USD15000.
- (PI) **OLPC@school – Incorporating Information Technology in the Teaching and Learning Cycle**, funded by IBM *Scalable Data Analytics for A Smarter Planet Innovation Award*, 2011-2012, USD10000.

D. Human Resources

Ongoing

- *PhD thesis (advisor)*, Gustavo Landfried, Laouen Belloli, Computer Science Department.

Completed

- *Master thesis (advisor)*, 15 master thesis advised from 2008 to 2019, Computer Science Department.
- *PhD thesis (advisor)*, Federico Raimondo, Computer Science Department, April 2013-April 2018.
- *PhD thesis (advisor)*, Matías López y Rosenfeld, Computer Science Department, April 2013-April 2018.
- *Postdoc (supervision)*, Edgar Altszyler, Computer Science Department, April 2017-April 2019.
- *PhD thesis (advisor)*, Facundo Carrillo, Computer Science Department, April 2013-Oct 2019.