

Pablo Barttfeld

INFORMACIÓN DE CONTACTO	Laboratorio de Ciencias Cognitivas. IIPsi - CONICET Email: cabalangofeld@gmail.com	
POSICIONES ACADÉMICAS	Investigador Adjunto CONICET, Argentina	2016 -
EDUCACIÓN	Universidad de Buenos Aires, Argentina Doctorado en Ingeniería	2004 - 2010
	Universidad Nacional de Córdoba (UNC), Argentina Licenciatura en Biología	1997 - 2002
EXPERIENCIA EN INVESTIGACIÓN	Estudiante postdoctoral Inserm's Cognitive Neuroimaging Unit Neurospin Center, CEA-Saclay, Francia Directores: Stanislas Dehaene y Ghislaine Dehaene-Lambertz	2013 - 2015
	Investigador visitante Addenbrooke's Hospital Cambridge University, Reino Unido	2012
	Estudiante postdoctoral Laboratorio de Neurociencia Integrativa Departamento de Física, UBA, Argentina Director: Mariano Sigman	2011 - 2013
	Investigador visitante Institut de Neurosciences Cognitives de la Méditerranée, Marsella, Francia Director: Bruno Wicker	2009
	Estudiante de Doctorado Laboratorio de Neurociencia Integrativa Departamento de Física, UBA, Argentina Director: Mariano Sigman	2008 - 2010
PUBLICACIONES EN REVISTAS	<ol style="list-style-type: none">Demertzi, A., Tagliazucchi, E., Dehaene, S., Deco, G., Barttfeld, P., Raimondo, F., Rohaut, B., Schiff, N., Owen, A., Laureys, S., Naccache, L., Sitt, J. Human consciousness is supported by dynamic complex patterns of brain signal coordination. <i>Science Advances</i> (2018).Uhrig L., Sitt J., Jacob A., Tasserie J., Barttfeld, P., Dupont M., Dehaene S., Jarraya B. Resting-state dynamics as a cortical signature of anesthesia in monkeys. <i>Anesthesiology</i> (2018). Comentario en "Highways of the Brain, Traffic of the Mind".Barttfeld*, P., Abboud* S, Lagercrantz H, Adn U, Padilla N, Edwards AD, Cohen L, Sigman M, Dehaene S, Dehaene-Lambertz G. A lateral-to-mesial organization of human ventral visual cortex at birth. <i>Brain Structure and Function</i> (2018). * igual contribución.	

4. Ais, J., Zylberberg, A., **Barttfeld, P.**, Sigman, M. Individual differences in the shape, bias and precision of confidence distributions across perceptual decisions. *Cognition* (2016).
5. **Barttfeld, P.**, Bekinschtein, T., Salles, A., Stamatakis, A., Adapa, R., Menon, T., Sigman, M. Frontoparietal connectivity predicts anaesthetic concentration but thalamic networks index conscious report. *Neuroimage Clinical* (2015).
6. **Barttfeld*, P.**, Uhrig*, L., Sitt*, J., Sigman, M., Jarraya, B., Dehaene, S. A signature of consciousness in the dynamics of resting-state brain activity. *Proceedings of the National Academy of Sciences* (2015). * igual contribución.
7. Sedeño, L., Couto, B., Melloni, M., Canales-Johnson, A., Yoris, A., Baez, S., Estevez, S., Velasquez, M., **Barttfeld, P.**, Sigman, M., Kichic, R., Chialvo, D., Manes, F., Bekinschtein, T., Ibañez, A. How do you feel when you cant feel your body?: Interoception, functional, connectivity and emotional processing in Depersonalization - Derealization Disorder. *PLoS One* (2014).
8. **Barttfeld*, P.**, Petroni*, P., Baez, S., Urquina, H., Sigman, M., Cetkovich, M., Torralva, T., Torrente, F., Lischinsky, A., Manes, F., Ibañez, A. Functional Connectivity and Temporal Variability of Brain Connections in Adults with ADHD or Bipolar Disorder: A Default Mode Network Analysis *Neuropsychobiology* (2014). * igual contribución.
9. Couto, B., Salles, A., Sedeño, L., Pederajordi, M., **Barttfeld, P.**, Canales-Johnson, A., Vidal Dos Santos, Y., Huepe, D., Bekinschtein, T., Sigman, M., Favaloro, R., Manes, F., Ibañez, A. The man who feels two hearts: The different pathways of interoception. *Social Cognitive and Affective Neuroscience* 2013.
10. **Barttfeld, P.**, Amoroso, L., Ais, J., Cukier, S., Bavassi, L., Tomio, A., Manes, F., Ibañez, A. Organization of brain networks governed by long-range connections index autistic traits in the general population. *Journal of Neurodevelopmental Disorders* (2013).
11. **Barttfeld, P.**, Wicker, B., Graziano, M., Leiguarda, R., Sigman, M., Distinct patterns of functional brain connectivity correlate with objective performance and subjective beliefs. *Proceedings of the National Academy of Sciences* (2013). [Commentario en el blog de PNAS.](#)
12. Gallos, L., **Barttfeld, P.**, Havlin, S., Sigman, M., Makse, H. Collective behavior and critical fluctuations in the spatial spreading of obesity, diabetes and cancer. *Scientific Reports* (2012).
13. Zylberberg, A., **Barttfeld, P.**, Sigman, M. The construction of confidence in a perceptual decision. *Frontiers in Integrative Neuroscience* (2012).
14. **Barttfeld, P.**, Wicker, B., Cukier, S., Navarta, S., Leiguarda, R., Sigman, M. State-dependent changes of connectivity patterns and functional brain network topology in Autism Spectrum Disorder. *Neuropsychologia* (2012).
15. **Barttfeld, P.**, Wicker, B., Cukier, S., Navarta, S., Lew, S., Sigman, M. A big world network in ASD: Dynamical connectivity analysis reflects a deficit in long-range connections and an excess of short-range connections. *Neuropsychologia* (2011). [Commentario en el blog de autismo "Cracking the enigma".](#)

16. Jourdan, I., **Barttfeld, P.**, Zanuto, BS. A Theory about a Role of the Hyperdirect Pathway in Pattern Expression by the Basal Ganglia. *Annual International Conference of the IEEE Engineering in Medicine and Biology Society. Buenos Aires, Argentina* (2010).
17. Yorio, A., Tabullo, A., Wainselboim, A., **Barttfeld, P.**, Segura, E. Event-related potential correlates of perceptual and functional categories: Comparison between stimuli matching by identity and equivalence. *Neuroscience Letters* (2008).
18. Abril, A., **Barttfeld, P.**, Bucher, E. The effect of fire and overgrazing disturbs on soil carbon balance in the Dry Chaco forest. *Forest Ecology and Management* (2005).

POSTERS Y
PRESENTACIONES
SELECCIONADAS

1. Presentación en la conferencia *Mente Sociedad y Conducta*. Lanzamiento de la Plataforma de Neurociencias Cognitivas y Ciencias de la Conducta (PENCO). Buenos Aires, Argentina (2018).
2. Luna F, Barttfeld P, Roca J, Lupiáñez J. Measuring attentional networks together with executive and arousal vigilance: the ANTI-Vea task. Poster en el XII Congreso de la Sociedad Española de Psicología Experimental, Madrid, España (2018).
3. Demertzi A, Tagliazucchi E, Dehaene S, Deco G, **Barttfeld, P.**, Raimondo F, Rohaut B, Schiff N, Owen A, Laureys S, Naccache L, Sitt J. Human consciousness is supported by specific dynamic coordination patterns. Poster en la conferencia internacional de Human Brain Project, Barcelona, España (2018).
4. Demertzi A, Tagliazucchi E, Dehaene S, Deco G, **Barttfeld, P.**, Raimondo F, Rohaut B, Schiff N, Owen A, Laureys S, Naccache L, Sitt J. Human consciousness is supported by temporally evolving brain processes. ePresentation en 4th EAN Congress in Lisbon, Portugal (2018).
5. Presentación en el 2nd Latin American Brain Mapping Network Meeting. Buenos Aires, Argentina (2016).
6. Presentación en el Simposio Internacional de la Fundación INECO Nuevas Tendencias en Neurodesarrollo y Cognición, Buenos Aires, Argentina (2015).
7. Presentación en la conferencia "Brain dynamics in the primate brain", Neurospin, Saclay, Francia (2015).
8. Vidal Dos Santos, Y., **Barttfeld, P.**, Marno, H., Sigman, M., Mehler, J., Dehaene, S., Dehaene-Lambertz, G. Metacognition in 15-month-old infants. *Budapest Conference on Cognitive Development* (2015).
9. Presentación en "First Theory-Cognitive workshop", European Institute for Theoretical Neuroscience, Paris, Francia (2014).
10. **Barttfeld, P.**, Calvar, J., Cukier, S, Deriche, R., Leiguarda, R., Navarta, S., Sigman, M., Wassermann, D., Wicker, B. Large-scale network analysis reflects big-world characteristics in Autism Spectrum Disorders. *17th Annual Meeting of the Organization for Human Brain Mapping, Quebec* (2011).

11. **Barttfeld, P.**, Petroni, A., Urquina, H., Sigman, M., Cetkovich, M., Torralva, T., Torrente, F., Bez, S., Lischinsky, A., Manes, F., Ibaez, A. Default mode network (DMN) impairments in adults with ADHD and Bipolar Disorder: Connectivity and Variability. *3rd International Congress on ADHD, Berlin* (2011).
12. **Barttfeld, P.**, Sigman, M., Cukier, S., Navarta, S., Calvar, J., Leiguarda, R., Wicker, B. Intrinsic brain connectivity in Autism Spectrum Disorders. *16th Annual Meeting of the Organization for Human Brain Mapping, Barcelona* (2010).
13. **Barttfeld, P.**, Jourdan, I., Yorio, A., Zanutto, B., Seitz, A. Reward driven learning of associative rules in the absence of awareness. *Society For Neuroscience 38 Annual Meeting, USA* (2007).

SUBSIDIOS Y BECAS	Proyectos de grupos de reciente formación. Director	2018
	Beca externa postdoctoral para Jóvenes Investigadores, CONICET	2018
	Subsidio PRIMAR. Co-director	2018
	PICT investigador joven. Director	2015
	Subsidio de retorno RAÍCES	2015
	INSERM postdoctoral grant	2013
	James S. McDonnell Foundation. II Latin American School for Education, Cognitive and Neural Sciences	2012
	Beca de viaje CONICET para viajar a Cambridge, UK	2012
	Beca postdoctoral, CONICET	2011
	Beca Raul Carrea de postgrado	2010
	Beca de viaje de CNRS a Marsella, Francia (proyecto ECOS)	2009
	Beca de doctorado, Universidad de Buenos Aires	2004
	Escuela de Verano del Santa Fe Institute. Qingdao, China	2004
EXPERIENCIA DOCENTE	Sistemas Biológicos	2005 - 2018
	Ayudante de primera, Facultad de Ingeniería, UBA	
FORMACIÓN DE RECURSOS HUMANOS	Tesis de Grado	
	Julieta Aguirre. Psicología, UNC	2018
	Santiago Alcaide. Ingeniería Biomédica, UNC	2018
	Alvaro Romano. Ingeniería Biomédica, UNC	2018
	Marcos Grillo. Licenciatura en Psicología, Universidad Favaloro	2018
	Joaquín Ais (codirección). Licenciatura en Biología. UBA	2016
	Tesis de Doctorado	
	Fernando Luna. Doctorado en Psicología, UNC con codirección de Juan Lupiáñez, Univ. de Granada, España	2018
EXPERIENCIA COMO REVISOR	Jurado de Tesis	
	Soledad Picco. Licenciatura en Biología, UBA	2018
	Santiago Redondo. Licenciatura en Psicología, UNC	2018
	Lucas Sedeño. Doctorado en Medicina, Univ. Favaloro	2018
	Rocío Alvarez Mence. Licenciatura en Física, UBA	2016
	María González Gadea. Doctorado en Neurociencia, UNC	2015
	Federico Santa Coloma. Ingeniería Electrónica, UBA	2011
	Revisor para revistas científicas	

Nature Communications, Frontiers in Human Neuroscience, Frontiers in Aging Neuroscience, Neuroimage, Cerebral Cortex, Cognitive Affective and Behavioral Neuroscience, Human Brain Mapping, Journal of Psychiatry Research, Autonomic Neuroscience, Translational Psychiatry, Journal of Neurophysiology, Learning and Individual Differences.

Revisión de Proyectos

Evaluador de proyectos, Agencia Nacional de Promoción Científica y Tecnológica 2017