

## CURRICULUM

Names: Agustín Mariano  
Surnames: Ibáñez Barassi  
Birth: December 26<sup>th</sup>, 1975; Argentine  
Nationality: Argentinean  
Age: 30  
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Head of Cognitive  
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### DEGREES

- Licenciado en Psicología (Degree on Psychology)– Catholic University of Cuyo, Argentine, 1999. Graduated with honors. Thesis seminary: Outstanding
- Dr. Phil. Psychology. Complexity and Cognition. P. Catholic University of Chile, 2006.

### SPECIALIZATION

Training on electrophysiology. Max Planck Institute for Brain Research- Frankfurt. 2005

### PUBLICATIONS

Ibáñez, A. (Accepted). The Dynamic Core of Consciousness. A review of G. Edelman's Neural Darwinism. *Journal of Neurology* [ISI Journal]

Cornejo, C., Simonetti, F., Aldunate, N., Ibáñez, A., López, V., Melloni, L. (In Press). Electrophysiological evidence of different interpretive strategies in irony comprehension. *Journal of Psycholinguistic Research* [ISI Journal]

Ibáñez, A. (In Press) Complexity and Cognition: Mind and Brain as a Topological Dynamical System. *Nonlinear Dynamics, Psychology, and Life Sciences*. [ISI Journal]

Ibáñez, A., Lopez, V., Cornejo, C. (2006). ERPs and contextual semantic discrimination: Evidence of degrees of congruency in wakefulness and sleep. *Brain and Language*, 98, (3), 264-275. [ISI Journal]

Cornejo, C., Ibáñez, A. & Lopez, V., (In Press). Significado, contexto y experiencia: Evidencias conductuales y electrofisiológicas del holismo del significado. In C. Cornejo and E. Kronmüller (Ed.), *La pregunta por la mente: Aproximaciones desde latinoamérica*. Chile: JCSaez Editor

Ibáñez, A., Ceric, F., Lopez, V., Aldunate, N. (In Press). Cognitive Neuroscience and Psychology. In A Kaulino, & A Schechter, (Eds.), *Materiales para una cartografía de la psicología contemporánea*. Chile: DP.

Ibáñez, A. Lopez, V. (In Press). Executive functions in autism. Towards specificity from distributed interconnection. In J., Alchieri (Ed.) *Avanços em avaliação psicológica*. San Pablo: CPB.

Ibáñez, A. (2005). Autism, executive functions and mentalism: Reconsidering the modular decomposition heuristic. *Rev.Arg.Neuro.*, 6, 25-49.

Ibáñez, A. (2005) From cell to mind. A random drift maintained by a masked thread. *Psyche*, 14, 107-120.

Ibáñez, A. Becerra, C., Lopez, V., Sirlopu, D., Cornejo, C. (2005) Iconicity and metaphor in the Chilean language of signs (lense): A qualitative analysis. *Rev Ele Ev Ed* 11, 23-45.

Ibáñez, A. (2004). Vygotski's contributions to the present controversies between Neuroscience and Psychology. *Acheronta*, 19, 46-52 .

Ibáñez, A. (2001) Epistemology, complexity sciences and psychology. *Alambique*, 34, 456-489.

## RESEARCH ACTIVITIES

2000-2001 Research in Department of Cognition, Catholic University of Cuyo (Argentina). Project: Comparative Study of Theory of mind, Executive Functions and symbolism in childrens with autism an blindness. (Principal Investigator)

2000-2006 I.R.I.N.A. Foundation (Argentina). Associated investigator. Research in autistic children with high cognitive performance. (Principal Investigator)

001-2002 Invited investigator. Project DIPUC of Ph.D. Carlos Cornejo. Research and Postgraduate Studies Department of the P. Catholic University of Chile. Project: "Influence of pragmatic cues on irony comprehension. Neuroscience studies"

2004 P.Catholic University of Chile. Laboratory of neuroscience. ERPs analysis. Invited investigator

2005 Max Planck Institute for Brain Research. Frankfurt. Research: Dynamics of neural synchrony and oscillatory activity in bistable voluntary, and spontaneous perception (Principal Investigator)

2006. Universidad Diego Portales. Head of Cognitive Neuroscience Laboratory.

2006. Member of Neuroscience Laboratoy. Faculty of Medicine, Psychiatry Department. P .Catholic University of Chile

2006. Research Project: Social Neuroscience: Implicit bias in Chilean indigenous and non-indigenuos scorers of the Implicit Association Task. ERPs and oscilatory activity correlates. Universidad Diego Portales (Principal Investigator)

2006. Research Project: Multimodal and Contextual Coordination in Cognition. Behavioural Measures and Electrophysiological Correlates of Language and Attention Tasks. Submitted to: Fondecyt Regular Competition 2007 (Principal Investigator)

## ACADEMIC ACTIVITIES

2001-2002. Professor of specialization courses for professionals in developmental disorders. I.R.I.N.A. Foundation and A.P.A.N.A.U. Fundation.

2000-2001. Professor of Catholic University of Cuyo. Cognitive sciences. Formation's seminary of Cognitive Psychology.

Assistant Professor 2004 at School of Psychology, P. Catholic University of Chile. Undergraduate course: Cognitive Theory I (psl 403, sec. II).

Professor 2005. Faculty of Psychology, Diego Portales University. Undergraduate course: Thought, affect and learning.

Professor 2005-2006. Master on Cognitive Studies. Chile University. Postgraduate course: Cognitive Psychology.

Professor 2006. School of Psychology, P. Catholic University of Chile. Intensive Course: Introduction to electrophysiology, ERPs and oscillatory activity.

Professor 2006. Catholic University of Cuyo (Argentina). Postgraduate Course: Advances in Cognitive Neuroscience. Reflections for Clinical Practice.

Professor 2006. Faculty of Psychology, Diego Portales University. Undergraduate course: Neuroscience and Psychology.

Professor 2006. Faculty of Psychology, Diego Portales University. Postgraduate course: Neuroscience

Professor 2006. Faculty of Psychology, Diego Portales University. Master on Social Psychology. Postgraduate course: Social Neuroscience

2006. Member of Editorial Committee: Chilean Journal of Neuropsychology

## CONFERENCES AND SEMINARS

- Ibáñez, A. 12<sup>th</sup> National congress of Psychology. Rosario, Argentina, 2000.  
Talk: National identity and psychological mechanism.
- Ibáñez, A. 12<sup>th</sup> National congress of Psychology. Rosario, Argentina, 2000.  
Talk: comparative study of the synthetic function.
- Ibáñez, A. Autism. Experimental and epistemological contributions towards an integrative model. Intensive course. A.P.A.N.A.U. Foundation. Buenos Aires, Argentina, 2001
- Ibáñez, A. Annual course on developmental disorders. Ecological perspectives from neuroscience, cognitive psychology and metatheoretical analysis. I.R.I.N.A. Foundation. San Juan, Argentina, 2001
- Ibáñez, A., Lopez, V., Cornejo, C. 13<sup>th</sup> National congress of Psychology. San Juan, Argentina, 2002. Talk: ERPs and semantic sentences: ¿Consciousness activity or automatic process?
- Ibáñez, A. 13<sup>th</sup> National congress of Psychology. San Juan, Argentina, 2002  
Talk: Executive Functions, Neural Networks and Autism
- Ibáñez, A., Lopez, V., Cornejo, C. 7<sup>th</sup> Iberoamerican Congress of Psychology. Santiago, Chile, 2004. Tematic Session: ERPs and contextual semantic discrimination: Evidence of levels of predictability in wakefulness and sleep
- Ibáñez, A. 7<sup>th</sup> Iberoamerican Congress of Psychology. Santiago, Chile, 2004  
Tematic Session: Brain, complexity and non linear tools: extensive computationalism or new mind metaphor?

- Ibáñez, A. First Colloquium of doctorate program. Psychology School, P. Catholic University of Chile. Santiago, Chile, 2004. Colloquium: Complexity and Cognition.
- Ibáñez, A. 6<sup>th</sup> National Congress of Neuropsychology. Buenos Aires, Argentina, 2004. Coordinator of Symposium: ERPs and Language: Semantic characteristics and meaning.
- Cornejo, C., Ceric, F., Aldunate, N., Carrasco, D., Ibáñez, A. 6<sup>th</sup> National Congress of Neuropsychology. Buenos Aires, Argentina, 2004. Thematic Session: Context and semantics: meaningful signs
- Ibáñez, A. 6<sup>th</sup> National Congress of Neuropsychology. Buenos Aires, Argentina, 2004. Thematic Session: Can the brain exhibit non-linear behavior?
- Ibáñez, A. Max Planck Institute for Brain Research. Frankfurt. Dynamics of neural synchrony and oscillatory activity in bistable voluntary, and spontaneous perception. 2005
- Ibáñez, A. Catholic University of Cuyo. Argentine. Seminar on Neuroscience and Psychology, 2005.
- Ibáñez, A. Catholic University of Cuyo. Argentine. Seminar on ERPs and oscillatory activity: Phase locking synchrony, coherence and power spectra. 2005.
- Ibáñez, A. (2006). Complexity and Cognition: Mind as a Topological Dynamical System. 16th Annual SCTPLS Conference. Baltimore, USA.
- Ibáñez et al., (2006). Behavioural Measures and Electrophysiological Correlates of Multimodal and Contextual Coordination in Cognition (Language and Attention Tasks). VII National Congress of Neuropsychology. Argentina. November 2006
- Ibáñez et al., (2006) Multimodal and Contextual Coordination in Cognition. Congress of Interamerican Society. La Habana, Cuba. October 2006.
- Ibáñez A. (2006). Sensus Communis: Multimodal and Contextual Cognition. Center for Neurosciences. La Habana, Cuba. October 2006.
- Ibáñez, A. (2006) President and Conference Chair of International Conferences and Workshop on Complexity, Autonomy and Intentionality. Santiago de Chile, November, 2006. Sponsors: Universidad Diego Portales, Pontificia Universidad Católica de Chile (Neurobiology Department), Complex System Center of Valparaiso and Electrical Geodesic Inc.

#### **AWARDS AND SCHOLARSHIPS**

- March 2001-March 2002. Office of Investigation and technological development. Catholic University of Cuyo. Argentine. Resolution 384-01-HCS. Full dedication
- March 2002-July 2006. MECESUP. Postgraduate Scholarship of doctoral program. P. Catholic University of Chile. Full dedication
- March 2005-September 2005. Research grant for doctoral candidates and young academics and scientists. DAAD (Der Deutsche Akademische Austauschdienst), Germany.
- March 2006-December 2008. Research Grant for Laboratory Infrastructure. u\$s 130.000. Electrical Geodesic Laboratory: GES300 (First Advanced Model in Sudamerica)
- July 2006. High Quality Research Award for neuroscience publication. Universidad Diego Portales
- September 2006. Diego Portales Grant for Academic Interchange. Universidad Diego portales