

CURRICULUM VITAE

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EDUCATION

- (1995-2000) Docteur es Sciences. In Cognitive Sciences. University of Paris VI, Paris (with Highest Honors)
- (1993-1995) Master in neurobiology. Faculty of medicine University of Chile, Santiago.
- (1986-1992) License degree in psychology. Faculty of psychology, Catholic University of Chile, Santiago.
- (1980-1985) Bachelor in Science with mention in physics. Faculty of physical and mathematical sciences, University of Chile, Santiago.

ACADEMIC DEGREES

- 2000 D. es Siences. In Cognitive Sciences.
- 1992 License degree in psychology.

FELLOWSHIPS AND AWARDS

- (2002) Fellowship of the Iniciativa Científica Milenio Foundation
- (1999- 2000) Puelma Foundation for the advancement of science fellowship.
- (1995- 1998) Mideplan fellowship for post graduate studies.
- (1993-1995) Puelma Foundation for the advancement of science fellowship.

ACADEMIC AND WORK EXPERIENCE

- 2007 Associate professor. graduate program in psychology, Universidad Católica de Chile.
- 2002- Research fellow Max-Planck Institut for Brain Research, Frankfurt am Main.
- 2000 Associate professor. Topics in modern Neuroscience, graduate program in psychology, Universidad Católica de Chile.

1994 Instructor. Experimental course in physics. Faculty of medicine. Universidad de Chile.

1993-1994 Seminars in General Psychology. Faculty of psychology, Universidad Católica de Chile.

1994 Lecturer. Artificial Neural Networks. Faculty of psychology, Universidad Santo Tomas.

1993 Lecturer. Cognitive Biology and Systems theory. Faculty of psychology, Universidad Santo Tomas.

Member of dissertation committee

Student: Agustin Ibañez Title : COMPLEJIDAD Y COGNICION. September 2006

Doctoral adviser

Student: Lucia Melloni Title: SINCRONÍA NEURAL: ¿CORRELATO NEURAL DE LA CONCIENCIA O DE LA REPRESENTACIÓN DE INFORMACIÓN? April 2006.

Student Paula Lacerna Title COMO EL CEREBRO CAMBIA LA MENTE COMO LA MENTE CAMBIA EL CEREBRO: SINCRONIA NEURAL EN EL CONTROL VOLUNTARIO DE LA PERCEPCION BIESTABLE nov. 2007

PAPERS:

Melloni L, Schwiedrzik CM, Rodriguez E, and Singer W. (Micro)Saccades, corollary activity and cortical oscillations. Trends in Cognitive Sciences. Accepted.

Maldonado P, Babul C, Singer W, Rodriguez E, Berger D, Grün S. Synchronization of neuronal responses in primary visual cortex of monkeys viewing natural images. J Neurophysiol. 2008 Sep;100(3):1523-32.

Rodríguez E, Cortés J. Right but basically wrong: comments on Canales et al. 'A critical assessment of the consciousness by synchrony hypothesis'. Biol Res. 2007;40(4):521-2.

Melloni L, Molina C, Pena M, Torres D, Singer W, and Rodriguez E. (2007) Synchronization of Neural Activity across Cortical Areas Correlates with Conscious Perception. The Journal of Neuroscience, March 14, 2007 • 27(11):2858 –2865.

Uhlhaas P, Linden D, Singer W, Haenschel C, Lindner M, Maurer K, & Rodriguez E. Dysfunctional Long-Range Coordination of Neural Activity During Gestalt Perception in Schizophrenia. J. Neurosci. 2006; 26 8168-8175

Le Van Quyen M, Foucher J, Lachaux J, Rodriguez E, Lutz A, Martinerie J, Varela FJ Comparison of Hilbert transform and wavelet methods for the analysis of neuronal synchrony. J Neurosci Methods. 2001 Oct 30;111(2):83-98.

Varela F, Lachaux JP, Rodriguez E, Martinerie J. The brainweb: phase synchronization and large-scale integration. *Nat Rev Neurosci*. 2001 Apr;2(4):229-39.

Lachaux JP, Rodriguez E, Martinerie J, Adam C, Hasboun D, Varela FJ A quantitative study of gamma-band activity in human intracranial recordings triggered by visual stimuli. *Eur J Neurosci*. 2000 Jul;12(7):2608-22.

Rodriguez E, George, N., Lachaux, JP., Martinerie, J., Renault, B., & Varela, F. Perception's shadow: Long-distance synchronization of human brain activity. *Nature* 397, 430-433 (1999).

Lachaux JP, Rodriguez E, Martinerie J, Varela FJ. Measuring phase synchrony in brain signals. *Hum Brain Mapp*. 1999;8(4):194-208.

Aboitiz, F., Rodriguez E., Olivares, R., Zaidel, E. Age-related change in fiber composition of the human corpus callosum : sex differences. *NeuroReport* 7, 1761-1764 (1996).

Ide, A., Rodriguez E., Zaidel, E., y Aboitiz, F. Bifurcation Patterns in the human sylvian fissure : Hemispheric and sex differences. *Cerebral Cortex* 6 :(5) 717-725 (1996).