

## Publicaciones

### a. Revistas

- A. CABANA, E. MIZRAJI, J.C. VALLE LISBOA A neural model that implements Probabilistic Topics. *Neurocomputing* (in press).
- B.C. ARMSTRONG, C. ZUGARRAMURDI, A. CABANA, J. VALLE LISBOA & D.C. PLAUT. Relative meaning frequencies for 578 homonyms in two Spanish dialects: A cross-linguistic extension of the English eDom norms. *Behavior Research Methods* (en prensa).
- J.C. VALLE-LISBOA; E. MIZRAJI; B. ELVEVÅG ; A. POMI; ALVARO CABANA. A modular approach to language production: models and facts. *Cortex*, 55: 61-76, (2014).
- ALVARO CABANA; J.C. VALLE-LISBOA; B. Elvevåg ; E. MIZRAJI Detecting order–disorder transitions in discourse: Implications for schizophrenia . *Schizophrenia Research*, 131: 157-164, (2011).
- A. POMI; J.C. VALLE-LISBOA; E. MIZRAJI; ALVARO CABANA Campo de prueba para la patología psiquiátrica. *Uruguay Ciencia*, 10: 4 - 8, (2010).
- E. MIZRAJI; A. POMI; J.C. VALLE-LISBOA Dynamic searching in the brain. *Cognitive Neurodynamics* , 3: 401 - 414, (2009).
- ALVARO CABANA; E. MIZRAJI; A. POMI; J.C. VALLE-LISBOA Looking for Robust Properties in the Growth of an Academic Network: The Case of the Uruguayan Biological Research Community. *Journal of Biological Physics*, 34: 149-161,(2008)
- E. MIZRAJI; J.C. VALLE-LISBOA Schizophrenic speech as a disordered trajectory in a collapsed cognitive Small-World. *Medical Hypotheses*, 68: 347 - 352, (2007).
- J.C. VALLE-LISBOA; E. MIZRAJI The uncovering of hidden structures by latent semantic analysis. *Information Sciences*, 177: 4122 - 4147, (2007).
- J.C. VALLE-LISBOA; F. REALI; H. ANASTASÍA; E. MIZRAJI Elman topology with sigma-pi units: an application to the modeling of verbal hallucinations in schizophrenia. *Neural Networks*, 18: 863 - 877, (2005).
- J.A. HERNÁNDEZ; J.C. VALLE-LISBOA Reduced kinetic models of facilitative transport. *Biochimica et Biophysica Acta-Biomembranes*, 1665: 65 - 74, (2004).
- H. PARNAS; J.C. VALLE-LISBOA; L.A. SEGEL Can the Ca-hypothesis and the Ca-voltage hypothesis for neurotransmitter release be reconciled? . *Proceedings of the National Academy of Sciences of the United States of America*, 99: 17149 - 17154, (2002).

### c. Capítulos de Libros

- J.C. VALLE LISBOA, A. MAILHOS, J. HALBERDA, R. EISINGER, LUZARDO, M, GONZÁLEZ, A. & A. MAICHE Estimulación Cognitiva a escala Poblacional utilizando Tablets: del ANS a la matemática. En Lipina, Sigman, Fernández-Slezak, eds., “Pensar las TICs desde las ciencias cognitivas y la neurociencia.” Gedisa, Buenos Aires.
- J.C. VALLE LISBOA (2014) Evidencias, Neurociencias y ácido fólico: trazados para un puente posible , Libro: 6to Foro de Lenguas. Pp: 1 – 10, Ed. Programa de Políticas Lingüísticas, ANEP (eds). Montevideo.

E. MIZRAJI; A. POMI; F. REALI; J.C. VALLE-LISBOA Disyunciones dinámicas. , 2003  
Libro: Procesos Biofísicos Complejos. Montevideo. p.: 123 - 145, Uruguay, Eds.: J.A.  
Hernández, A. Pomi. Editorial: DIRAC , Montevideo.

E. MIZRAJI; A. POMI; J.C. VALLE-LISBOA Contextos y procesamiento de la información  
en redes neuronales parcialmente conectadas , 1999 Libro: Neurogénesis: Aspectos  
Celulares y Moleculares del Desarrollo Neural Embrionario. p.: 35 – 47, Argentina  
Organizadores: G. Carri, R.G. Goya, R.A. Rovasio Editorial: IMBICE y Academia Nacional  
de Ciencias Exactas, Físicas y Naturales , Buenos Aires.

#### **e. Artículos en eventos**

GARRARD, P, ELVEVÅG, B, BEIM-GRABEN, P, MIZRAJI, E. J.C. VALLE-LISBOA (2013 )  
Language as a window into the brain and its pathologies , Proceedings of the 35rd Annual  
Meeting of the Cognitive Science Society, 2pp. ISSN/ISBN: 9780976831891.

#### **f. Artículos y capítulos enviados**

D. ODIC, J. VALLE LISBOA, R. EISINGER, M. GONZALEZ, A. MAICHE, J. HALBERDA.  
Approximate number and approximate time discrimination each correlate with school math  
abilities in young children. (Enviado a Acta Psychologica)

#### **g. Artículos y capítulos en preparación**

A. MAICHE, A. MAILHOS, M. GONZÁLEZ, R. EISINGER, J.C. VALLE LISBOA, J.  
HALBERDA, Improvement in mathematical skills of First Grade children following ANS  
stimulation through Tablets. ARTÍCULO

C. ZUGARRAMURDI, A CABANA, E FLÓ, JC VALLE LISBOA An ERP study of the  
dependence of event priming and semantic priming on context.

JC VALLE LISBOA Exploring the limitations in the Generalization Capabilities of neural  
network models: the case of sameness. ARTÍCULO

#### **5.2 Presentaciones en Congresos (últimos 5 años)**

J.C. VALLE-LISBOA (2014) Modeling word learning and its impact in reading  
comprehension. 36th Annual Conference of the cognitive science society, 27-31st July,  
2014, Quebec, Canada.

L. CHMIEL, C. ZUGARRAMURDI, A. CABANA, J.C. VALLE LISBOA (2014) Estudio  
normativo, comportamental y electrofisiológico sobre la organización del léxico. XV  
Jornadas de la Sociedad Uruguaya de Biociencias, Piriápolis, 5-7 Setiembre de 2014.

CABANA, A.; VALLE-LISBOA, J.C.; MIZRAJI, E. (2014) Redes neuronales y espacios  
semánticos , 2014 , XV Jornadas de la Sociedad Uruguaya de Biociencias , Piriápolis, 5-7  
de Setiembre,, 2014.

MIZRAJI, E.; POMI, A.; VALLE-LISBOA, J.C.; CABANA, A. Exploración de la dinámica de  
un modelo neural de generación de sucesiones ante perturbaciones de su conectividad ,  
2013 Evento: MasBiofísica , Montevideo , 2013. PÓSTER

C. ZUGARRAMURDI; A. CABANA; J.C. VALLE-LISBOA On the different types of  
information stored in the lexicon and their neural bases , 2013 35th Annual Conference of

the Cognitive Science Society , Berlín, Alemania. POSTER

ALVARO CABANA; ZUGARRAMURDI, C.; J.C. VALLE-LISBOA The representation of polysemous words in memory , 2013 Evento: Internacional , 35th Annual Conference of the Cognitive Science Society , Berlín, Alemania , 2013. Proceedings: Cooperative Minds: Social Interaction and Group Dynamics. POSTER

ALVARO CABANA; ZUGARRAMURDI, C.; E. MIZRAJI; J.C. VALLE-LISBOA A Neural Network model of a semantic space: correlation with priming and EEG data , 2013 Evento: Internacional , The Fifth Annual Meeting of the Society for the Neurobiology of Language , San Diego, California , 2013. POSTER

CABANA, A.; VALLE-LISBOA, J.C.; ELVEVÅG, B.; MIZRAJI, E.(2012) Evaluando medidas automáticas de alteraciones del discurso en pacientes con esquizofrenia , 2012. XIV Jornadas de la Sociedad Uruguaya de Biociencias , Piriápolis , 2012. PÓSTER

ZUGARRAMURDI, C.; ALVARO CABANA; J.C. VALLE-LISBOA Event-participant priming in Spanish: a behavioral, corpus and electrophysiological approach. , 2012. Evento: Internacional , Society for the Neurobiology of Language Conference , San Sebastián, España , 2012. POSTER.

J.C. VALLE LISBOA Is sameness a primitive function in language processing? , 2012. Florianópolis, Brasil; Nombre del evento: Language and Neuroscience Conference. EXPOSICIÓN ORAL.

ALVARO CABANA; ZUGARRAMURDI, C.; J.C. VALLE-LISBOA Correlating event noun priming and semantic space similarity in Spanish. , 2012 Evento: Internacional , Language and Neuroscience Conference, , Florianópolis, Brasil , 2012. POSTER

ZUGARRAMURDI, C.; ALVARO CABANA; J.C. VALLE-LISBOA Pragmatic priming in Spanish. , 2012 Evento: Internacional , Language and Neuroscience Conference, , Florianópolis, Brasil , 2012. POSTER

PEDRAJA, F.; QUINTANA, L.; MACADAR, O.; J.C. VALLE-LISBOA Two models for the reproduction of the basic electrophysiological properties of the Pacemaker Nucleus of *Brachyhyppomus gauderio* , 2012. Evento: Internacional , I Congreso de FALAN , Cancún, Méjico , 2012. POSTER

E. MIZRAJI, A. POMI, J.C. VALLE LISBOA Neurocomputational models as an exploratory environment for schizophrenia research , 2011 South American Meeting of the Schizophrenia International Research Society (SIRS), Brazil. EXPOSICION ORAL DE MIZRAJI.

J.C. VALLE-LISBOA Learning and generalizing sameness in simple recurrent networks , 2011 Evento: Internacional , 33rd Meeting of the Cognitive Science Society , Boston, MA, USA , 2011. POSTER

ALVARO CABANA; J.C. VALLE-LISBOA; B. Elvevåg ; E. MIZRAJI Using machine learning techniques to study discourse alterations in patients with schizophrenia , 2011. Evento: Internacional, Schizophrenia International Research Society (SIRS) South America

Meeting, São Paulo, Brazil , San Pablo, Brazil ,2011. POSTER

ALVARO CABANA; J.C. VALLE-LISBOA; E. MIZRAJI Encoding word-order and semantic information using modular neural networks , 2011 Evento: Internacional , 33rd Meeting of the Cognitive Science Society , Boston, MA, USA , 2011. POSTER

J.C. VALLE-LISBOA Learning sameness is difficult for Simple Recurrent networks: an exploration using TLU networks , 2011 , INTERNATIONAL JOINT CONFERENCE ON NEURAL NETWORKS (IJCNN 2011) , San Jose, CA, USA , 2011. POSTER

J.C. VALLE-LISBOA; ALVARO CABANA; E. MIZRAJI Desambiguación léxica mediante un modelo de redes neuronales basado en la noción de tópico , 2010 , XIII JORNADAS DE LA SUB , piriápolis , 2010. POSTER