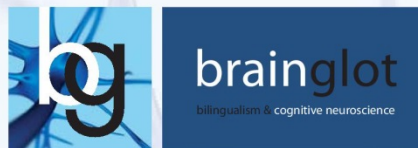


Workshop on

Cognitive Neuroscience and Bilingualism



19th-20th September 2013



The **CONSOLIDER BRAINGLOT** consortium, coordinated by Prof. **Núria Sebastián-Gallés**.

Consortium Groups

Núria Sebastián-Gallés and **Albert Costa**, Universitat Pompeu Fabra.

Speech Perception, Production and Bilingualism.

Carles Escera, Universitat de Barcelona.

Cognitive Neuroscience of Auditory Perception and Attention.

Salvador Soto-Faraco, Universitat Pompeu Fabra.

Attention, Action and Perception.

Gustavo Deco, Universitat Pompeu Fabra.

Computational and Theoretical Neuroscience.

César Ávila, Universitat Jaume I.

Neuropsychology and Functional Neuroimaging.

Itziar Laka, Universidad del País Vasco.

Grammar and Bilingualism.

Invited speakers

Robert Zatorre, Montreal Neurological Institute. Canada.

Alec Marantz, New York University. United States.

Janet F. Werker, University of British Columbia. Canada.

Friedemann Pulvermüller, Freie Universität Berlin. Germany.

Mariano Sigman, Universidad de Buenos Aires. Argentina.

Nina Kraus, Northwestern University. United States.

Thursday 19th September 2013

- 09:00-09:30 am** **Opening words**
Jaume Casals, Rector of Pompeu Fabra University
Antoni Castellà, Secretary for Universities and Research, Catalan Government
Marina Villegas, Deputy Director for Research Projects, Spanish Government
Núria Sebastián, Coordinator of the Consolider Brainglot Project
- 09:30-10:30 am** ***"How Neurons make Meaning: Brain Mechanism for Embodied and Abstract-Symbolic Semantics"***
Friedemann Pulvermüller, Freie Universität Berlin. Germany
- 10:30-11:30 am** ***"The construction of confidence"***
Mariano Sigman, Universidad de Buenos Aires. Argentina
- 11:30-12:00 am** **Poster Session I and Coffee break**
- 12:00-01.00 pm** ***"Biological mechanisms for Bilingual Advantages"***
Nina Kraus, Northwestern University. United States
- 01:00-02:00 pm** ***"Prenatal Exposure changes Language Attunement in Infancy"***
Janet F. Werker, University of British Columbia. Canada
- 02:00-03:30 pm** Lunch - Pompeu Fabra University - *Plaça Gutenberg*
- 03:30-04:30 pm** ***"Words and Rules Revisited: Separating the Paradigmatic from the Syntagmatic in Morphology"***
Alec Marantz, New York University. United States
- 04:30-05:30 pm** **Poster Session I**
- 05:30-06:30 pm** ***"Functional and Structural Correlates of Auditory Abilities: Predispositions and Plasticity"***
Robert J. Zatorre, Montreal Neurological Institute. Canada.

Friday 20th September 2013

- 09:30-10:15 am** *“Variation in speech perception: How the study of bilingualism can help us”*
Núria Sebastián, Pompeu Fabra University. Barcelona, Spain
- 10:15-11:00 am** *“The resting state of the Brain: the importance of being Balanced”*
Gustavo Deco, Pompeu Fabra University. Barcelona, Spain
- 11:00-12:00 am** **Poster Session II and Coffee break**
- 12:00-12:45 pm** *“Multisensory contributions to second language processing”*
Salvador Soto, Pompeu Fabra University. Barcelona, Spain
- 12:45-01:30 pm** *“On agreement relations”*
Itziar Laka, University of the Basque Country-UPV/EHU, Vitoria-Gasteiz. Spain
- 01:30-03:00 pm** Lunch - Pompeu Fabra University - *Plaça Gutenberg*
- 03:00-03:45 pm** *“Regularity encoding deviance detection in the human auditory system”*
Carles Escera, University of Barcelona. Barcelona, Spain
- 03:45-05:00 pm** **Poster Session II**
- 05:00-05:45 pm** *“Anatomic and functional impact of early bilingualism on the brain”*
César Ávila, Jaume I University. Castellón, Spain
- 05:45-06:30 pm** *“Piensa twice”: when decision making depends on your language*
Albert Costa, Pompeu Fabra University. Barcelona, Spain

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Poster Session I

CNAPA

- Cacciaglia, R., Slabu, L., Sanjuán, A., Grimm, S., Ventura-Campos, N., Ávila, C., & Escera, C. ***Auditory deviance detection along the ascending auditory pathway: direct evidence from functional magnetic resonance imaging***
- Althen, H., Huotilainen, M., Grimm, S., & Escera, C. ***Double deviant detection in an optimum-2 condition of the multi-feature paradigm***
- Recasens, M., Grimm, S., Wollbrink, A., Pantev, C., & Escera, C. ***Hierarchically organized encoding of local and global regularities in the human auditory cortex***
- Selinger, L., do Vale, S., Martin Martins, J., Gomes, A., Bicho, M., do Carmo, I., & Escera, C. ***Hormone levels influence P3 amplitude and performance in an auditory-visual distraction paradigm***

GAP

- Brunellière, A., & Soto-Faraco, S. ***The speakers' accent shapes the listeners' phonological predictions during speech perception***
- Fromont, L., Biau, E., & Soto-Faraco, S. ***Examining the influence of prosody and beats on syntactic parsing***

GB

- Ezeizabarrena, M.J., Iraola, M., Santesteban, M., & Sorace, A. ***The interpretation of the null versus overt bera pronoun in L1, cL2 and adult Basque***
- Santesteban, M., Yates, R., & Laka, I. ***Is there a bilingual cost for syntax?***
- Munarriz, A., Ezeizabarrena, M. J., Mennen, I., & Kuschmann, A. ***Evidence for language (in)dependent phonetic representation in the bilingual mind: a case of acquired apraxia of speech***

19th September 2013 – Poster Session I

NFN

- Sanjuán, A., J. Price, C., Mancini, L., Josse, G., Grogan, A., Yamamoto, K.A., Geva, S., Leff1, A.P., Yousry, T.A., & Seghier, M.L. ***Automated identification of brain tumours based on MRI segmentation with refined patient-specific priors***
- Ventura-Campos, N., Sanjuán, N., & Ávila, C. ***Functional connectivity differences between language areas in bilingualism***

SAP

- Basora, A., Burgaleta, M., & Sebastián-Gallés, N. ***Genetic contribution to brain structure related to artificial language learning: a twin study***
- Santamaria-García, H., Soriano, C., Ayneto, A., & Sebastián-Gallés, N. ***Social hierarchy modulates cognitive functions in patients with Obsessive Compulsive Disorder***
- Ayneto, A., & Sebastián-Gallés, N. ***Emotional processing at 8 and 12 months: does language exposure make a difference?***
- Jin, Y., Basora, A., & Sebastián-Gallés, N. ***Individual Alpha Frequency (IAF) at Resting in Adolescent Twin Samples***

SPB

- Calabria, M., Cattaneo, G., Marne, P., Ribosa Nogué, R., Gironell, A., Abutalebi, J., & Costa, A. ***The role of executive control in bilingual language production: a study with Parkinson's disease patients***
- Bas, J.A., Baus, C., & Costa, A. ***I know you! you speak Spanish: Influence of language on face recognition***
- Corey J., Garcia X., Martin C., Thierry, G., & Costa, A. ***The processing of new information embedded in native and non-native speech***
- Branzi, F.M., Della Rosa, P., Abutalebi, J., & Costa, A. ***From perception to decision: top-down influences tune different brain networks for object processing***

20th September 2013

Poster Session II

CNAPA

- Cornella, M., Leung, S., Costa-Faidella, J., Grimm, S., Mairena, M.A., Maristany, M., & Escera, C. ***Auditory Processing in Autism Spectrum Disorders: brainstem responses to repeated amplitude-modulated sounds***
- Zarnowiek, K., Nafradi, L., Cacciaglia, R., Grimm, S., & Escera, C. ***Is the Nb component of the middle latency auditory evoked potential an indicator of pitch encoding***
- Aghamolaei, M, Zarnowiec, K, Escera, C., & Grimm, S. ***Magnitude of deviance effects on MMN and AMLR in a spatial oddball paradigm***
- Tanel, M., Ahmed, M., Ruusuvirta, T., & Astikainen, P. ***Brain responses reveal detection of abstract algebraic rules for sequences of consecutive auditory stimuli on urethane-anesthetized rats***
- Boix, A., Grimm, S., Selinger, L., & Escera, C. ***When a sound becomes chilling: Evaluation of the processing of aversive sounds with human evoked potentials***

GAP

- Sanchez-García, C., Ikumi, N., Brunellière, A., & Soto-Faraco, S. ***Visual information constraints early and late stages of spoken-word recognition in sentence context***
- Visser, M., Ventura-Campos, N., Tziraki, S., Ávila C., Morís L., & Soto-Faraco, S. ***The role of visual speech during non-native phoneme discrimination an fMRI study***

GB

- Egusquiza, N., Zawiszewski, A., & Navarrete, E., ***Antecedent frequency effects on anaphoric pronoun resolution: Evidence from Spanish***
- Zawiszewski, A., Erdocia, K., Santesteban, M., & Laka, I. ***When person meets number: an ERP study on feature processing***
- Elordieta, G., & Irurtzun, A. ***Pitch accent tonal alignment in Spanish by L1 Basque and monolingual/L1 Spanish speakers***

20th September 2013 – Poster Session II

NFN

- Bueichekú, E., Palomar-García, M.A., Sanjuán, A., Ventura-Campos, N., Ávila, C., & Costa, A. ***Cognate effects on L1 word listening in bilinguals***
- Rodríguez-Pujadas, A., Sanjuán, A., Fuentes, P., Ventura-Campos, N., Barrós-Loscertales, A & Ávila, A. ***Differential neural control in early bilinguals and monolinguals during response inhibition***
- Palomar, MA., Strijkers, K., Bueichekú, E., Sanjuán, A., Ventura-Campos, N., Ávila, C., Costa, A. ***fMRI evidence for word frequency effect in picture naming task***

SAP

- Burgaleta, M., Sanjuan, A., Ventura, N., Ávila, C., & Sebastián-Gallés, N. ***Bilingualism at the core of the brain- a shape analysis of subcortical structures***
- Schmitz, J., Díaz, B., & Sebastián-Gallés, N. ***Enhancements in vowel discrimination induced by a spoon over the tongue***
- Monte, J., & Toro, JM. ***The role of stimuli interpretation in rule extraction: Evidence from sine-wave speech***

SPB

- Ayguasanosa, M., Garcia, X., Martin, C., Thierry, G., & Costa, A. ***WHO SAID THAT? Studying semantic and speaker integration when comprehending utterances in first and second language***
- Hatzidaki, A., Baus, C., & Costa, A. ***Does foreign accent affect lexical access in a listener's native language? An ERP investigation***
- Ruiz, E., Foucart, A., & Costa, A. ***Anticipating words and their features in sentence listening***

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