

CURRICULUM VITAE



PERSONAL INFORMATION

Name	San Miguel Insua, Iria
Address	Brainlab – Cognitive Neuroscience Research Group Psychiatry and Clinical Psychobiology department Psychology Faculty University of Barcelona P. Vall d'Hebron 171 Edifici de Ponent, Vagó 3, 2a Planta 08035 Barcelona, Spain
Telephone	+34 933125050
E-mail	isanmiguel@ub.edu
Web	http://www.ub.edu/brainlab
Nationality	Spanish
Date and place of birth	5 th June 1981, Barcelona, Spain

TITLES AND DEGREES

• Title	PhD in Neuroscience
• Date awarded	European doctorate <i>19 December 2008</i>
• Awarding institution and program	Neurosciences graduate program Medicine / Psychology Faculty University of Barcelona
• Title	DEA (Diploma of Advanced Studies)
• Date awarded	<i>4 October 2006</i>
• Awarding institution and program	Neurosciences graduate program Medicine / Psychology Faculty University of Barcelona
• Title	Degree in Psychology
• Date awarded	<i>29 July 2004</i>
• Awarding institution and program	Psychology Faculty University of Barcelona

PROFESSIONAL POSITIONS

- Dates *January 2015 - present*
• Employer University of Barcelona, Spain.
• Position **Ramón y Cajal fellow**
Tenure-track position

- Dates *September 2009 – December 2014*
• Employer Leipzig University, Germany.
• Position **Postdoctoral researcher**
In the Reinhart Koselleck Project "Predictive Modelling in Audition"
PI: Erich Schröger

- Dates *January 2009-July 2009*
• Employer University of Barcelona (UB), Spain.
• Position **Postdoctoral researcher**
In the Consolider-Ingenio Project "Bilingualism and Cognitive Neuroscience: Auditory Perception and Audition"
PI: Núria Sebastián / Carles Escera

- Dates *January 2005-December 2008*
• Employer University of Barcelona (UB), Spain.
• Position **PhD Student**
Funded by PhD scholarship from the "Generalitat de Catalunya"
Supervision: Dr. Carles Escera (University of Barcelona) and Prof. David Linden (Bangor University, UK)

- Dates *November 2004- May 2005*
• Employer Nijmegen Institute for Cognition and Information (NICI), Radboud Universiteit Nijmegen (RU), The Netherlands
• Position **Junior Researcher**
Funded by the private enterprise NUMICO
Supervision: Dr. G. Van Luijtelaar.

- Dates *September 2003- June 2004*
• Organization Cognitive Neuroscience Research Group, Department of Psychiatry and Clinical Psychobiology, Faculty of Psychology, University of Barcelona (UB), Spain.
• Position **Student assistant**
Funded by a "collaboration in university departments" scholarship from the Spanish Ministry of Science and Education
Supervision: Dr. Carles Escera

CHRONOLOGY AND EXTENDED DESCRIPTION OF EDUCATION, TRAINING AND RESEARCH ACTIVITIES

- Dates *November – December 2011, March – June 2012*
• Organization International Laboratory for Brain, Music and Sound Research (BRAMS), Université de Montréal, Montréal, Canada
• Activity **Visiting researcher**
Within the frame of the Erasmus-Mundus Auditory Cognitive Neuroscience Network.
Performing the project: "Specificity of the response to omissions of self-generated sounds: a high-resolution fMRI study"

	In collaboration with Prof. Marc Schönwiesner
<ul style="list-style-type: none"> • Dates 	<i>Several visits between March – November 2011, aprox. 9 weeks in total</i>
<ul style="list-style-type: none"> • Organization 	Cognitive Development Center (CDC), Central European University (CEU), Budapest, Hungary
<ul style="list-style-type: none"> • Activity 	<p>Visiting researcher</p> <p>Within the frame of the DAAD – MÖB cooperation project between the BioCog research group and the Hungarian Academy of Sciences.</p> <p>Performing the project: "A developmental study on corollary discharge and omission responses"</p>
	In collaboration with Prof. Gergely Csibra and Prof. István Winkler
<ul style="list-style-type: none"> • Dates 	<i>September 2009 - present</i>
<ul style="list-style-type: none"> • Employer 	BioCog, Psychology Institute, Leipzig University, Leipzig, Germany.
<ul style="list-style-type: none"> • Position 	<p>Postdoctoral researcher</p> <p>In the Reinhart Koselleck Project "Predictive Modelling in Audition"</p> <p>PI: Erich Schröger</p>
<ul style="list-style-type: none"> • Dates 	<i>January 2009-July 2009</i>
<ul style="list-style-type: none"> • Employer 	Cognitive Neuroscience Research Group, Department of Psychiatry and Clinical Psychobiology, Faculty of Psychology, University of Barcelona (UB), Spain.
<ul style="list-style-type: none"> • Position 	<p>Postdoctoral researcher</p> <p>In the Consolider-Ingenio Project "Bilingualism and Cognitive Neuroscience: Auditory Perception and Audition"</p> <p>PI: Núria Sebastián / Carles Escera</p>
<ul style="list-style-type: none"> • Dates 	<i>October 2007- December 2007</i>
<ul style="list-style-type: none"> • Organization 	<i>April 2007</i>
<ul style="list-style-type: none"> • Activity 	<i>September 2006- December 2006</i>
	Center for Cognitive Neuroscience, School of Psychology, University of Wales, Bangor. UK.
<ul style="list-style-type: none"> • Dates 	<p>Visiting researcher</p> <p>Performing the project: "Integrated ERP and fMRI investigation on the interaction between working memory and distraction".</p>
<ul style="list-style-type: none"> • Organization 	Supervision: Dr. David Linden/ Dr. Carles Escera
<ul style="list-style-type: none"> • Activity 	
<ul style="list-style-type: none"> • Dates 	<i>August 2007</i>
<ul style="list-style-type: none"> • Organization 	Department of Neuropsychology and Behavioural Neurobiology, Bremen University, Germany.
<ul style="list-style-type: none"> • Activity 	<p>Visiting researcher</p> <p>Analysis of fMRI data collected previously within the collaboration project "<i>The cognitive neuroscience of involuntary attention: A combined ERP and fMRI investigation</i>".</p>
	Supervision: Dr. Manfred Herrmann/Dr. Carles Escera
<ul style="list-style-type: none"> • Dates 	<i>2005-2006</i>
<ul style="list-style-type: none"> • Organization 	Cognitive Neuroscience Research Group, Department of Psychiatry and Clinical Psychobiology, Faculty of Psychology, University of Barcelona (UB), Spain.
<ul style="list-style-type: none"> • Activity 	<p>DEA (Diploma of Advanced Studies)</p> <p>Project title: More working memory load equals less distraction: behavioural and electrophysiological evidence from an auditory-visual distraction paradigm.</p>
	Supervision: Prof. Carles Escera
<ul style="list-style-type: none"> • Dates 	<i>January 2005-December 2008</i>

- Organization
 - Activity

Cognitive Neuroscience Research Group, Department of Psychiatry and Clinical Psychobiology, Faculty of Psychology, University of Barcelona (UB), Spain.

Neuroscience PhD program

Doctorate program with quality certification awarded by the Spanish Ministry of Education ("Mención de calidad")

Title of thesis: Working memory influences on auditory novelty processing in the human brain

Supervision: Dr. Carles Escera (University of Barcelona) and Prof. David Linden (Bangor University, UK)
- Employer
 - Dates

November 2004- May 2005
- Position
 - Dates

November 2004- May 2005
 - Activity

Nijmegen Institute for Cognition and Information (NICI), Biological Psychology Department, Radboud Universiteit Nijmegen (RU), Nijmegen, The Netherlands

Junior Researcher

Project financed by the private company NUMICO investigating the effects of different diets on the sleep of rats by means of EEG and EMG sleep recordings. Training for electrode implantation was included in the project.

Supervisor: Dr. G. Van Luijtelaar.
- Organization
 - Activity

Study of chicken EEG in different vigilance states.

Supervisor: Prof. Dr. A.M.L. Coenen
- Organization
 - Dates

July 2004
 - Activity

Physiology Department, University of the Balearic Islands (UIB).

Introduction and training to:

Psychophysiological EEG analysis techniques in animals and humans

Sleep studies, polysomnography

Alert state analysis in human and rat EEG

Electrode implantation technique in lizard

Tutor: Dr. A. Gamundí.
- Organization
 - Dates

September 2003- June 2004
 - Activity

Cognitive Neuroscience Research Group, Department of Psychiatry and Clinical Psychobiology, Faculty of Psychology, University of Barcelona (UB), Spain.

Student assistant / Practical credits required for Psychology degree

Practical credits of the Psychology program ("Practicum") chosen in the research branch, as a one course stay in the Cognitive Neuroscience Research Group collaborating in various ongoing research projects.

Supervision: Dr. Carles Escera
- Organization
 - Dates

Summer 2003
 - Activity

Biological Psychology Department, Katholieke Universiteit Nijmegen (KUN), Nijmegen, The Netherlands.

Research collaboration as undergraduate student

In the project: "Performance fluctuations of low and high demanding tasks: Diurnal variation in resources."

Supervision: Dr. Paul A.T.M. Eling and Annika Smit
- Organization
 - Dates

1999-2004
 - Activity

Faculty of Psychology, University of Barcelona (UB), Barcelona, Spain.

Psychology studies (29 July 2004)

TEACHING

• Dates	2011 - 2015
• Organization	Psychology Institute, Leipzig University, Leipzig, Germany
• Program	Master in Psychology
• Course	Module Cognitive Processes : Perception, Memory, Attention
• Type of lessons	Seminar and Laboratory practice
• Credits / Hours	18 hours
• Dates	2007 - 2008
• Organization	Psychology Faculty, University of Barcelona, Spain
• Program	Psychology degree
• Course	Psychophysiology
• Type of lessons	Theory
• Credits / Hours	14 hours
• Dates	2005 - 2008
• Organization	Psychology Faculty, University of Barcelona, Spain
• Program	Psychology degree
• Course	Psychophysiology
• Type of lessons	Laboratory practice
• Credits / Hours	122 hours
• Dates	2003 - 2004
• Organization	Psychology Faculty, University of Barcelona, Spain
• Program	Psychology degree
• Course	Psychophysiology
• Type of lessons	Laboratory practice, optional practical work ("trabajo práctico")
• Credits / Hours	52 hours

MENTORING AND (CO-)SUPERVISION OF STUDENTS

Undergraduate students

• Dates	2009 - 2010
• Student(s)	Álvaro González Pérez ("Practicum" student)
• Organization	Dep. Psychiatry and Clinical Psychobiology, University of Barcelona, Spain.
• Role in student supervision	Mentoring and unofficial supervision Supervisor: Prof. Carles Escera.
• Dates	2009 - present
• Student(s)	Nadin Greinert, Jana Timm, Susann Duwe, Laura Schäfer (Student assistants)
• Organization	BioCog group, University of Leipzig, Germany
• Role in student training	Supervisor
• Dates	2004 - 2005
• Student(s)	Undergraduate students performing as teaching assistants in the

- Organization
- Role in student training

optional practical work (“trabajo práctico”) for the Psychophysiology course
 Dep. Psychiatry and Clinical Psychobiology, University of Barcelona, Spain.
 Coordinator
 Supervisor: Prof. Carles Escera.

Bachelor students

- Dates 2013 - 2014
- Student(s) Florian Scharf
- Thesis title “The interplay of ‘when’ and ‘what’ in sensory prediction: Is temporal orienting modulated by the predictability of ‘what’ is coming?”
- Organization Psychology Institute, University of Leipzig, Germany
- Role in student training Supervisor

Diploma students

- Dates 2012
- Student(s) Nadine Greinert
- Thesis title “Effects of self-generation on the processing of sensory stimuli”
- Organization Psychology Institute, University of Leipzig, Germany
- Role in student training Supervisor; co-supervisor: Prof. Erich Schröger
- Dates 2011
- Student(s) Jenny Kokinou
- Thesis title “Auditory predictive modeling in persons with schizophrenia and healthy controls”
- Organization Psychology Institute, University of Leipzig, Germany
- Role in student training Mentoring and unofficial supervision; supervisors: Prof. Erich Schröger and Prof. Juanita Todd.

PhD students

- Dates 2013 - present
- Student(s) Anna Marzecová
- Thesis title PhD thesis in progress
- Organization International Max Planck School on Neuroscience of Communication. Max Planck for Cognitive and Brain Sciences, Leipzig, Germany.
- Role in student training Mentoring and member of PhD thesis committee; supervisors: Prof. Erich Schröger, Prof. Sonja Kotz.
- Dates 2010 - 2013
- Student(s) Jana Timm
- Thesis title “The self in action – electrophysiological evidence for predictive processing of self-initiated sounds and its relation to the sense of agency.” Thesis defended December 19th 2013
- Organization Psychology Institute, University of Leipzig, Germany
- Role in student training Mentoring and unofficial supervision; supervisor: Prof. Erich Schröger.

SCIENTIFIC PUBLICATIONS

- *Citation metrics (Google scholar)*
(data as of Feb 2015)
- *Citation metrics (ISI)*
(data as of Feb 2015)
- *In peer-reviewed journals*

[Google Scholar](#) profile
Citations: 386
h-index: 9
i10-index: 9
[ResearcherID](#): C-2909-2013
Sum of times cited: 259
Average citations per article: 16.19
h-index: 8

Schröger, E., Marzecová, A., **SanMiguel, I.** (2015). Attention and prediction in human audition: a lesson from cognitive psychophysiology. *European Journal of Neuroscience*, *in press*.

Timm, J., **SanMiguel, I.**, Keil, J., Schröger, E., & Schönwiesner, M. (2014). Motor intention determines sensory attenuation of brain responses to self-initiated sounds. *Journal of Cognitive Neuroscience* 26(7):1481-9. [[PubMed](#), [CrossRef](#)]

Timm, J., Schönwiesner, M., **SanMiguel, I.**, & Schröger, E. (2014). Sensation of agency and perception of temporal order. *Consciousness and Cognition* 23C, 42-52. [[PubMed](#), [CrossRef](#)]

Keil, J., Timm, J., **SanMiguel, I.**, Schulz, H., Obleser, J., & Schönwiesner, M. (2014). Cortical brain states and corticospinal synchronization influence TMS-evoked motor potentials. *Journal of Neurophysiology* 111(3):513-9. [[PubMed](#), [CrossRef](#)]

SanMiguel, I., Saupe, K., & Schröger, E. (2013). I know what is missing here: Electrophysiological prediction error signals elicited by omissions of predicted “what” but not “when”. *Frontiers in Human Neuroscience*, 7(407). [[PubMed](#), [Full Text](#)]

SanMiguel, I., Widmann, A., Bendixen, A., Trujillo-Barreto, N., & Schröger, E. (2013). Hearing silences: Human auditory processing relies on pre-activation of sound-specific brain activity patterns. *Journal of Neuroscience*, 33(20), 8633-8639. [[PubMed](#), [CrossRef](#)]. Article highlighted in the section "[This Week in the Journal](#)".

SanMiguel, I., Todd, J., & Schröger, E. (2013). Sensory suppression effects to self-initiated sounds reflect the attenuation of the unspecific N1 component of the auditory ERP. *Psychophysiology*, 50(3), 334-343. [[PubMed](#), [CrossRef](#)]

Timm, J., **SanMiguel, I.**, Saupe, K., & Schröger, E. (2013). The N1-suppression effect for self-initiated sounds is independent of attention. *BMC Neuroscience*, 14(1), 2. [[PubMed](#), [CrossRef](#)]

Bendixen, A., **SanMiguel, I.**, & Schröger, E. (2012). Early electrophysiological indicators for predictive processing in audition: A review. *International Journal of Psychophysiology*, 83(2), 120-131. [[PubMed](#), [CrossRef](#)]

SanMiguel, I., Linden, D., & Escera, C. (2010). Attention capture by novel sounds: Distraction versus facilitation. *European Journal of Cognitive Psychology*, 22(4), 481-515. [[CrossRef](#), [ISI](#)]

SanMiguel, I., Morgan, H. M., Klein, C., Linden, D., & Escera, C. (2010). On the functional significance of Novelty-P3: facilitation by unexpected novel sounds. *Biological Psychology*, 83(2), 143-152. [[PubMed](#), [CrossRef](#)]

Parmentier, F. B., Elford, G., Escera, C., Andres, P., & **SanMiguel, I.** (2008). The cognitive locus of distraction by acoustic novelty in the cross-modal oddball task. *Cognition*, 106(1), 408-432.

[PubMed, CrossRef]

SanMiguel, I., Corral, M. J., & Escera, C. (2008). When loading working memory reduces distraction: behavioral and electrophysiological evidence from an auditory-visual distraction paradigm. *Journal of Cognitive Neuroscience*, 20(7), 1131-1145. [PubMed, CrossRef]

Garcia-Garcia, M., Dominguez-Borras, J., **SanMiguel, I.**, & Escera, C. (2008). Electrophysiological and behavioral evidence of gender differences in the modulation of distraction by the emotional context. *Biological Psychology*, 79(3), 307-316. [PubMed, CrossRef]

- Book chapters and monographies

Schröger, E., **SanMiguel, I.**, & Bendixen, A. (2013). Prädiktive Modellierung in der auditiven Wahrnehmung. In E. Schröger & S. Koelsch (Eds.), *Affektive und Kognitive Neurowissenschaften: Enzyklopädie der Psychologie (Serie II: Kognition, Band 5)* (pp. 11-45). Göttingen: Hogrefe.

SanMiguel I. (2008). Working memory influences on auditory novelty processing in the human brain. PhD thesis available online at [TDX](http://www.tdx.cat). (www.tdx.cat, Managed and coordinated by Consorci de Biblioteques Universitàries de Catalunya (CBUC) and Centre de Serveis Científics i Acadèmics de Catalunya (CESCA).

- Editions

Schröger, E., Kotz, S., **SanMiguel, I.** (Eds.) Prediction and Attention in Perception and Action. Special issue in *Brain Research*, in preparation.

TALKS AND POSTERS

- Invited seminar talks

Processing of self-initiated and omitted sounds. **SanMiguel, I.** Invited talk at *Barcelona Brainlab*, June 14th, 2013, University of Barcelona, Spain.

Designing a self-generation paradigm for infants. **SanMiguel, I.**, Winkler, I., Bendixen, A., Schröger, E., Csibra, G. Invited talk at Hungarian Academy of Sciences, 28 March 2011, Budapest, Hungary.

Predicting sounds: Brain responses to omissions of self-generated sounds. **SanMiguel, I.** Invited talk at International Laboratory for Brain, Music and Sound Research (BRAMS), Dec 9 2011, Université de Montréal, Canada.

- Symposium and workshop talks

Predictive sensory processing as evidenced by self-generated sounds and their omissions. **SanMiguel I., I.** *Leipzig Prediction in Audition Workshop (LPiAW)*, December 12 -14 2013, Leipzig, Germany.

Predictions are encoded with sensory templates. **SanMiguel I.**, Widmann, A., Bendixen, A., Trujillo-Barreto, N., Schröger, E. Symposium talk at *53rd Annual Meeting of the Society for Psychophysiological Research (SPR)* October 2-6 2013, Florence, Italy.

Self-generated sounds and their omissions: a window into the neural code of sensory predictions. **SanMiguel, I.** Symposium talk at *18th Meeting of the European Society for Cognitive Psychology (ESCP)*, August 29 - Sept 1 2013, Budapest, Hungary.

The different N1 components and their differential sensitivity to suppression. *BioCog-goes-CBS Workshop*, 28 Sept 2012, Max Planck Institute for Cognitive and Brain Sciences, Leipzig, Germany.

Processing of self-initiated and omitted sounds. **SanMiguel, I.** Invited talk at *Paris Encounters in Perception and Performance*

(PEPPER), July 2012, Université Paris Descartes, Paris, France.

Prediction-based auditory responses to omissions of self-generated sounds. **SanMiguel, I.**, Widmann, A., Bendixen, A., Schröger, E. Invited talk at *13th conference of the Hungarian Neuroscience Society*, January 20-22 2011, Budapest

Facilitation vs. distraction by novel sounds: ERP indices. **SanMiguel I.** *3rd Workshop of the Brainlab-BioCog Acciones Integradas – DAAD cooperation*, March 2011, Leipzig, Germany.

Prediction-based auditory responses to omissions of self-generated sounds. **SanMiguel I.** Symposium talk at *XI International Conference on Cognitive Neuroscience (ICON)*, September 25 – 29 2011, Palma de Mallorca, Spain.

Are N1-suppression and sound prediction independent? **SanMiguel, I.** Widmann, A., Bendixen, A., Schröger, E. *1st Workshop of the DAAD & MÖB Project “Predictive modelling in audition and vision”*, October 2010, Leipzig, Germany.

Prediction-Based Auditory Responses to Omissions of Self-Generated Sounds. *InterLab Japanese – German workshop*. November 15 2010, Leipzig, Germany.

Prediction-Based Auditory Responses to Omissions of Self-Generated Sounds. **SanMiguel, I.**, Widmann, A., Bendixen, A., Schröger, E. Symposium talk at *15th World Congress of Psychophysiology (IOP)*, September 1 - 4 2010, Budapest, Hungary.

Impact of novel sounds on attention and related electrophysiological indices. **SanMiguel, I.** Symposium talk at *15th World Congress of Psychophysiology (IOP)*, September 1 - 4 2010, Budapest, Hungary.

Cognitive set effects on auditory novelty processing during visual task performance. **SanMiguel, I.**, Escera, C. Symposium talk at *15th Meeting of the European Society for Cognitive Psychology (ESCOP)*, August 2007, Marseille, France.

Cuando la carga en memoria de trabajo reduce la distracción: Evidencia conductual y electrofisiológica en un paradigma de distracción auditivo-visual. **SanMiguel, I.**, Corral, M.J., Escera, C. *Reunión científica sobre atención (RECA)* 6, April 12 - 14 2006, Barcelona, Spain.

Gating of novelty processing in auditory cortex by working memory load: a magnetoencephalography study. Nowak R., Yabe H. , **San Miguel I.**, Matsuoka T., Asai R., Escera C. Selected oral communication at *IX International Conference in Cognitive Neuroscience (ICON9)*. September 5 -10, 2005, Havana City, Cuba.

Working memory load modulates distraction caused by irrelevant auditory stimuli. **SanMiguel, I.**, Nowak, R, Domínguez-Borrás, J., Corral, M.J., Escera, C. Selected oral communication at *IX International Conference in Cognitive Neuroscience (ICON9)*. September 5 - 10, 2005, Havana City, Cuba.

• Posters **2014**

Information content of electrophysiological responses elicited by omissions of self-initiated sounds. **SanMiguel, I.**, & Schröger, E. *12th International Conference of Cognitive Neuroscience (ICON)*, 27-31 July 2014 Brisbane, Australia.

2013

Sensation-of-agency illusion: How agency judgements are associated with temporal realignment of motor-sensory timing. Timm, J.,

Schönwiesner, M., **SanMiguel, I.**, & Schröger, E. *55th Conference of Experimental Psychologists (TeaP)*, March 2013, Vienna, Austria.

Sensory attenuation of brain responses to self-initiated sounds depends on motor intention. Timm, J., **SanMiguel, I.**, Keil, J., Schröger, E., & Schönwiesner, M. *5th International Conference on Non-invasive Brain Stimulation (NBS)*, March 2013, Leipzig, Germany.

2012

The N1-suppression effect for self-initiated sounds is not influenced by attention. Timm, J., **SanMiguel, I.**, Saupe, K., & Schröger, E. *Research Festival Leipzig (XI)*, December 2012, Leipzig, Germany. Jana Timm was awarded the "Nachwuchspreis" of the Research Festival for the presentation of this poster.

The N1-suppression effect for self-initiated sounds is not influenced by attention. Timm, J., **SanMiguel, I.**, Saupe, K., & Schröger, E. *4th Auditory Cortex Conference*, August 2012, Lausanne, Switzerland.

Predicting sounds: Brain responses to omissions of self-generated sounds. **SanMiguel, I.**, Schröger, E. *Annual meeting of the Cognitive Neuroscience Society (CNS)*, March 31st – April 3rd 2012, Chicago, Illinois

Predicting sounds: Auditory cortex responses to omissions of self-initiated sounds revealed by high resolution fMRI. **SanMiguel, I.**, Schönwiesner, M., Schröger, E. *4th Auditory Cortex Conference*, August 2012, Lausanne, Switzerland.

The auditory N1 to self-initiated sounds is only suppressed at long inter-stimulus intervals. **SanMiguel, I.**, Schröger, E. *6th Mismatch Negativity Conference (MMN)*, May 1st - 4th 2012, New York City, NY, USA.

Auditory predictive modeling in persons with schizophrenia and healthy controls. Kokinou, J., **SanMiguel, I.**, Whitson, L., Schröger, E., Todd, J. *6th Conference on Mismatch Negativity and its clinical and scientific applications (MMN)*, May 1st - 4th 2012, New York City, NY, USA.

2010

Prediction-Based Auditory Responses to Omissions of Self-Generated Sounds. **SanMiguel, I.**, Widmann, A., Bendixen, A., Schröger, E. *16th Annual meeting of the organization for human brain mapping (HBM)*, June 6th - 10th 2010, Barcelona, Spain.

2009

BOLD responses reveal cognitive control mechanisms for coping with distracting sounds. **SanMiguel, I.**, Trautmann, S.A., Erhard, P., Fehr, T., Domínguez-Borràs, J., Herrmann, M., Escera, C. *15th Annual meeting of the organization for human brain mapping (HBM)*, June 18th - 23rd 2009, San Francisco, CA, USA.

BOLD responses reveal cognitive control mechanisms for coping with distracting sounds. **SanMiguel, I.**, Trautmann, S.A., Erhard, P., Fehr, T., Domínguez-Borràs, J., Herrmann, M., Escera, C. *IV Workshop in advances in the research of brain activity* of the Spanish Network on Cognitive Neuroscience, July 9th - 10th 2009, Barcelona, Spain.

2008

The fate of unexpected novel sounds: Distraction or facilitation depending on the attentional set. **SanMiguel, I.**, Escera, C.,

Linden, D. *Xth International Conference in Cognitive Neuroscience (ICON X)*, September 1st - 5th 2008, Bodrum, Turkey.

Novelty-P3: an index of involuntary orienting, but not distraction. **SanMiguel I.**, Morgan H., Klein C., Linden D., Escera C. *Xth International Conference in Cognitive Neuroscience (ICON X)*, September 1st - 5th 2008, Bodrum, Turkey.

Source analysis of Novelty-P3 constrained by fMRI activation **SanMiguel, I.**, Linden, D., Escera, C. *III Workshop in advances in the research of brain activity* of the Spanish Network on Cognitive Neuroscience, July 17th - 18th 2008, Santiago de Compostela, Spain. Poster awarded with the best poster price.

2007

Facilitacion conductual causada por la ocurrencia de sonidos novedosos irrelevantes. **SanMiguel, I.**, Linden, D., Escera, C. *II Workshop in advances in the research of brain activity* of the Spanish Network on Cognitive Neuroscience, September 20th – 21st 2007, Madrid, Spain.

2006

Diferencias de género en la modulación de la distracción por el contexto emocional. Garcia-Garcia, M., Domínguez-Borràs, J., **SanMiguel, I.**, Escera, C. *V Congress of the Spanish Psychophysiology Society (SEPF)*, September 28th – 30th 2006, Granada, Spain.

Gender differences in the modulation of distraction by emotional context I. Garcia-Garcia, M., Domínguez-Borràs, J., **SanMiguel, I.**, Escera, C. *I Workshop in advances in the research of brain activity* of the Spanish Network on Cognitive Neuroscience, July 14th – 15th 2006, Madrid, Spain.

Locus cognitivo de la distracción cros-modal. **SanMiguel, I.**, Parmentier, F., Escera, C. *I Workshop in advances in the research of brain activity* of the Spanish Network on Cognitive Neuroscience, July 14th – 15th 2006, Madrid, Spain.

Facilitación conductual causada por la ocurrencia de sonidos novedosos irrelevantes. **SanMiguel, I.**, Álvarez-Mora. A., Linden, D., Escera, C. *Reunión científica sobre atención (RECA)* 6, April 12th - 14th 2006, Barcelona, Spain.

2004

Effects of working memory load on distraction by significant auditory stimuli. **SanMiguel, I.**, Corral, M.J., Nowak, R., Domínguez, J., Escera, C. *IV Congress of the Spanish Psychophysiology Society (SEPF)*, October 7th – 9th 2004, Sevilla, Spain.

OTHER PRESENTATIONS, TALKS AND OUTREACH ACTIVITIES

What is a neuroscientist? **SanMiguel, I.** Outreach and dissemination talk for children aged 12-16, Freies Gymnasium Borsdorf, Germany, April 2014.

The funding system in Germany. **SanMiguel, I.** Career session talk at the *2nd kickoff meeting of the Auditory Cognitive Neuroscience Erasmus Mundus Program*. Leipzig, Germany, April 2014.

Funding in the EU. **SanMiguel, I.** *I. Leipzig Prediction in Audition*

Workshop (LPiAW), December 12 -14 2013, Leipzig, Germany.
Presenting the candidacy of Barcelona/Mallorca for the organization of the X International Conference in Cognitive Neuroscience. Francisco Barceló, **Iria SanMiguel**, Judith Domínguez-Borras, Dina Schardt. IX International Conference in Cognitive Neuroscience, La Habana, Cuba, September 2005.

CONFERENCE, WORKSHOP AND SYMPOSIUM ORGANIZATION

Organizer, *I. Leipzig Prediction in Audition Workshop (LPiAW)*, December 12 - 14 2013, Leipzig, Germany. Number of participants: 40.

Symposium Chair, *Predictive coding in perception and cognition*. Chairs: **SanMiguel I.**, Winkler, I. Symposium conducted at the XI International Conference on Cognitive Neuroscience (ICON), September 25 – 29 2011, Palma de Mallorca, Spain.

Organizer, *3rd Workshop of the Brainlab-BioCog Acciones Integradas – DAAD cooperation*, March 2011, Leipzig, Germany. Number of participants: 20.

Local committee member, *XI International Conference on Cognitive Neuroscience (ICON)*, September 25 – 29 2011, Palma de Mallorca, Spain. Number of participants: 750.

AD-HOC REVIEWER

- Journals
Journal of Psychophysiology • Clinical Neurophysiology • Psychophysiology • Neuropsychologia • Journal of Cognitive Neuroscience • International Journal of Psychophysiology • Journal of Neuroscience • Acta Psychologica • Cerebral Cortex • Frontiers in Auditory Cognitive Neuroscience (Review Editor) • Biological Psychology • Brain Research • Journal of Experimental Psychology: Human Perception and Performance • NeuroImage • Neuroscience Letters • Psicothema • Psychological Research • Spanish Journal of Psychology • Cognition • PLoS ONE • Cortex
ANEPE (Spanish national evaluation board), since 2010.
- Agencies

PARTICIPATION IN PROJECTS

2010. DAAD – MÖB (Hungary), Project involving exchange of people between BioCog (Leipzig) and Hungarian Academy of Sciences (Budapest), “Predictive Modelling in Audition and Vision” (DAAD - 50345549), 2 years duration. PI: Erich Schröger. Amount: 11.312 €

2009. Deutsche Forschungsgemeinschaft (DFG), Reinhart – Koselleck project “Predictive Modelling in Audition” (SCHR 375/20), 5 years duration. PI: Erich Schröger. Amount: 1.250.000 €

2009. DAAD – Acciones Integradas (Spain), Project involving exchange of people between BioCog (Leipzig) and Barcelona BrainLab, “The role of predictive models in Audition” (DAAD - 50025660), 2 years duration. Pls: Carles Escera, Erich Schröger. Amount: 9.789 €

2007. Spanish Ministry of Science and Education, Programa

Consolider-Ingenio 2010 (CDS2007-00012). *Bilingüismo y Neurociencia Cognitiva (Percepción Auditiva y Atención)*, 5 years duration. PIs: Núria Sebastián Gallés, Carles Escera. Amount: 5.000.000 €

2006. Spanish Ministry of Science and Education, Plan Nacional de Ciencias Sociales, Económicas y Jurídicas - Psicología (SEJ2006-00496/PSIC). *Efectos del “set cognitivo” sobre la respuesta cerebral a estímulos novedosos: Investigación combinada mediante potenciales evocados y resonancia magnética funcional*. PI: Carles Escera. Amount: 85.910,00 €

2005. Spanish Ministry of Science and Education, Integrated action with Germany – *Bremen Universität* (HA2005-0024). *The cognitive neuroscience of involuntary attention: A combined ERP and fMRI investigation*. PIs: Carles Escera, Manfred Herrmann. Amount: 11.040,00 €

2005. Catalan government (Generalitat de Catalunya). Acknowledgement of the Cognitive Neuroscience Research Group as a consolidated research group (SGR2005-00953). PI: Carles Escera. Amount: 50.600 €

FUNDING OBTAINED IN COMPETITIVE CALLS

Funds obtained for the **organization of the “I. Leipzig Prediction in Audition Workshop”** under the funding program “Hochschuldialog mit Südeuropa” of the German Academic exchange service (DAAD). Amount: 8.360 € (DAAD - 57069670).

Mobility fellowship of the Erasmus Mundus Auditory Cognitive Neuroscience Network, Staff category, years 2011-2012, 4 months duration.

Scholarship for research stays abroad of the “Generalitat de Catalunya” (BE), Oct-Dec 2007 (2007BE-100123).

Scholarship for research stays abroad of the “Generalitat de Catalunya” (BE), Sept-Dec 2006 (2006BE 00719).

Predoctoral Fellowship of the “Generalitat de Catalunya” (FI), 4 years duration, starting January 2005 (2005FI 00467).

Fellowship of the Spanish Ministry of Education and Culture **for collaboration as undergraduate student** in the Department of Psychiatry and Clinical Psychobiology (Cognitive Neuroscience Research Group). Academic course 2003/2004

Erasmus grant, academic course 2002/2003 Katholieke Universiteit Nijmegen (KUN), The Netherlands.