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SALVADOR SOTO-FARACO

Curriculum Vitae 24-Jan-24

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BRIEF PROFILE

I work as a researcher for the Catalan Institution for Research and Advanced Studies (ICREA) at the Universitat Pompeu Fabra. My research field is Cognitive Neuroscience, which tries to understand how the mental phenomena (the mind) emerge from the neural dynamics (the brain). My specific focus of interest is on the behavioural and neural processes responsible for perception and attention, especially when they involve integrating information from various sensory systems (vision, audition, touch, ...). You can find out more about our research in the Multisensory Research Group web page <https://www.upf.edu/web/mrg/> or following us @MRGLabBCN

Current positions

- Jan 2005 – present. **ICREA Research Professor** at Universitat Pompeu Fabra.
- Jan 2009 – present. **Associate professor** at the Departament de Tecnologies de la Informació i les Comunicacions, Universitat Pompeu Fabra.

EDUCATION

University degrees

- 1999 Ph.D. in Cognitive Science from the University of Barcelona.
- 1994 B.A. in Psychology from the University of Barcelona.

Courses/Seminars

- Instructional Skills Workshop, at the Center for Teaching and Academic Growth (2001, University of British Columbia, Canada).
- European Diploma in Cognitive Science (with distinction) at the International School of Advanced Studies – Cognitive Neuroscience sector (1996-97 Trieste, Italy).
- Summer school in Psycholinguistics of European Society for Cognitive Psychology (1997, Bressanone Italy).
- Seminar on Neural Networks at the *Centre de Supercomputació de Catalunya* (1996, *Univeritat Politècnica de Catalunya*, Barcelona).

TEACHING

Academic accreditations

- Full professor accreditation (*acreditació de recerca avançada*). AQU Num. Exp. U1446/6293740-57 (2007)
- Associate professor accreditation (*professor agregat*). AQU Num. Exp. 1746407 / 2-159 (2004)
- Lecturer accreditation (*professor lector*). AQU Num. Exp. 1985578 / 7-626 (2004)

Undergraduate teaching

2013-19 *Principles of Perception Applied to Design*, at Technology Department, Universitat Pompeu Fabra.

2011-17 Lecturer part time: *Psicologia i Psicopatologia*, for Biology, Criminology and Medical school. Universitat Pompeu Fabra.

2004-06 Teacher Assistant for courses on: *Localization and brain function* and, *Perception and Attention*. Universitat de Barcelona.

2003-04 Guest lecturer: *Localization and brain function*. Hospital Clínic de Barcelona, Universitat de Barcelona.

2002-03 *Perception and Attention*. Universitat de Barcelona. (Instructor)

2000-01 Lecturer: *Perception and Cognition*. Psychology Department at University of British Columbia (Canada).

1996-99 Teacher assistant for: *Psychology of Thinking, Perception and attention*, and *Speech perception*, Universitat de Barcelona.

1995-96 Lecturer: *Psychology of Thinking*. Psychology Department at University of Girona.

Graduate teaching

2014-24 Cognitive Neuroscience of Perception and Attention. Master of Cognition and Brain (Universitat Pompeu Fabra)

2012-24 Bases of Cognitive Neuroscience. Master de Neurociències (Inter-universitari / Universitat de Barcelona / Universitat Pompeu Fabra)

2020-21 Course on Neuroimaging of attention. Neuroimaging: from methods to neuroscience applications. 8h course, April 2021. (D'Annunzio University of Chieti–Pescara)

2018-20 Advanced Topics in Cognitive Neuroscience. Master de Ciència Cognitiva i Llenguatge (Inter-universitari / Universitat Pompeu Fabra)

- 2009-15 Topics in Perception. Master de Ciència Cognitiva i Llenguatge (Inter-universitari / Universitat Pompeu Fabra)
- 2004-09 Multisensory integration processes. Doctorat / Master de Ciència Cognitiva i Llenguatge (Inter-universitari / Universitat de Barcelona)
- 2007-8 Bilingüisme i Cervell. Master in Neurosciences (Inter-universitari / Universitat de Barcelona)
- 2006-08 Multisensory integration processes. Invited lecturer at the PhD Program Neurociència Cognitiva y Necesidades Educativas Específicas (Universidad de La Laguna, Canarias)

Other teaching

- 1995 Instructor: Introduction to UNIX and Internet. I.T. Services, University of Barcelona.
- 1993 Instructor. Workshop: CHILDES: Discourse Analysis with CLAN Programs. Directed by Prof. Brian MacWhinney from Carnegie Mellon University, at University of Barcelona.

RESEARCH

Research positions

- 2009-pr. ICREA Research Professor at Departament de Tecnologies de la Informació i les Comunicacions, Universitat Pompeu Fabra
- 2005-08 ICREA Research Professor at Parc Científic de Barcelona
- 2002-05 Ramón y Cajal researcher at the Cognitive Neuroscience Research Group (Parc Científic de Barcelona).
- 2000-02 Killam Post-Doctoral Fellow at the University of British Columbia (w/ Dr. A. Kingstone).
- 1999-00 Post-Doctoral Fellow at the University of Oxford (w/ Dr. C. Spence).
- 1995-99 PhD student at Universitat de Barcelona (Sup.: Prof. Núria Sebastián Gallés).
- 1993-96 Internship at the I.T. Services of the University of Barcelona.
Research Assistant with Prof. M. Serra at University of Barcelona on Language acquisition).
- 1992-93 Research Assistant with Dr. J.M. Sopena at University of Barcelona on Artificial Neural Networks

Short research stages

- 2007 School of Psychology / Queensland Brain Institute Prof. J. Mattingleys' lab. (Queensland University, Australia)
- 2002 Dept. of Human Communication Science Prof. R. Campbell's lab (University College London, UK).
- 1999 Dept. of Experimental Psychology (University of Oxford). w/ Dr. C. Spence.
- 1999 Dept. of Psychology (University of British Columbia, Canada). w/ Dr. A. Kingstone.
- 1998 Dept. of Experimental Psychology (University of Oxford). w/ Dr. C. Spence.
- 1997 Georgetown Institute for Cognitive and Computational Sciences (Georgetown University Medical Centre, Washington D.C). w/ Dr. D. Bavelier.
- 1996 Laboratoire de Sciences Cognitives et Psycholinguistique (EHESS/CNRS), Paris. w/ Prof. J. Mehler.

FUNDING

Project grants

- 2024 (Submitted) AEI-DFG Pilot Call 2023-2024: Die Dynamik der Akkumulation kausaler Evidenz und der Konfliktregulierung in der multisensorischen Wahrnehmung (PI: T. Rohe / S. Soto-Faraco)
- 2023 Plan Nacional MINECO: CONECTANDO PERCEPCION Y CONFLICTO: PID2022-137277NB-I00. €188.125. 3 Years.
María de Maeztu Internal Call - DTIC MdM Strategic Program: Artificial and Natural Intelligence for ICT and beyond: 55,000€ / 3years
- 2022 Proof of Concept MICINN: Sistema biomarcador de desorientación espacial basado en EEG PDC2022-133859-I00. €110,000. 2 years
BIAL Foundation: "Neurocognitive basis of misinformation sharing across the political spectrum", €58,000. PI: Dr. Clara Pretus. 2 years
- 2021 BBVA Foundation: "COREVID: COronavirus Research EVIDence evaluation". €67,073. 18 months.
BIAL Foundation: "Sensory Entrainment for Improving Spatial Navigation". PI: Dr. M- Torralba. €46,000. 2 years
SGR 2021-00911. Grup de Recerca en Neurociència Cognitiva (GRNC). PI: J.M. Toro-Soto; Co-PIs: N. Sebastian-Galles; S. Soto-Faraco. (36 months; €60,000).
- 2019 RIS3CAT Cluster del Cervell Humà. Role: Scientific coordinator. (consortium total: 3,055,284€). 3 Years
Plan Nacional MINECO PSI: INTEGRACIÓN MULTISENSORIAL Y CONFLICTO: PID2019-108531GB-I00. €121,000. 3 Years
- 2017 SGR 2017-1545 (3 YEARS). Cognitive and Computational Neuroscience Group. PI: R. Moreno-Bote; G. Deco; S. Soto-Faraco. (36 months; €61,000).
DGCYT. PSI2016-75558-P, PREDICCIÓN DE INTERACCIONES MULTISENSORIALES CON BASE EN LA ACTIVIDAD PRE-ESTIMULO (36 months; €87,000)
European Research Council (ERC, PoC) #727595 Proof of Concept grant, Horizon 2020. MNEURONIC: A Mnemonic System based on Stimulation-free Neuroimaging. PI: Salvador Soto-Faraco (18 months; €150,000)
- 2016 DGCYT PSI2016-75558-P (Explora) At your own pace. PI: Manuela Ruzzoli (12 months; €45,000)
- 2014 SGR 2014- 856 (3 years). AGAUR Cognitive and Computational Neuroscience Group. €48.000
DGCYT. PSI2014-42626-P. From Lab to Life: The impact of multisensory integration phenomena in everyday life. €70.000
- 2010 DGCYT. PSI2010-15426 (3 years). La Interacción entre Integración Multisensorial y Atención. €204,000
European Research Council (ERC, StG). ERC-2010-StG -263145 MIA. Multisensory Integration and Attention (MIA) PI: Soto-Faraco, S. Amount: 1,450,673. Period: 2011-2016.
European Cooperation in Science and Technology (COST). Action TD0904. Time In MEntaL activiTY: theoretical, behavioral, bioimaging, and clinical perspectives (TIMELY) (Coordinator: Vatakis, A.)
- 2009 SGR 292. Cognitive and Computational Neuroscience. Departament d'Universitats, Recerca i Societat de la Informació (PI: G. Deco): €74.880 (4 years)
- 2008 Unilever Ltd. Research Project (PS-2007-0780). EVOKING GRASPABILITY (PI: Soto-Faraco): 77,215.19
- 2007 DGCYT SEJ2007-29541-E/PSIC (1 year). Acción complementaria 'ASPECTOS PSICOFISICOS DE LA NATURALIDAD'. (PI: S-.Soto-Faraco): 8,000€

- CSD2007-00012 Consolider-Ingenio 2010 programme grant (5 years). 'Bilingüismo y Neurociencia Cognitiva' (PI: S.Soto-Faraco / Coord. N. Sebastián-Gallés): 750,000€ (total grant, 1,000,000€)
- DGCYT. SEJ2007-64103/PSIC (3 years). The role of attention in multisensory integration €104,000
- DGCYT. PSE-020400-2007-1. Proyectos Científico-tecnológicos Singulares del Plan Nacional I+D+I. 4Senses (IP: S. Soto-Faraco; Coord: Instituto Biomecánica de Valencia (1 year): €20,301
- 2006 ESF-EUROCORES - Consciousness in a Natural & Cultural Context (P.I.: Yan Cohelo). STREP (6th FRAMEWORK PROGRAM; Contract #029000) (PI: S. Soto-Faraco; Coord: T. Goodman, National Physics Laboratory, UK): €129,078
- 2005 Subvenciones a I+D+I del IMSERSO. Ref: 88/05 (P.I.: Albert Costa): €21,000
- 2005SGR1026. Grup de recerca en neurociència cognitiva. Departament d'Universitats, Recerca i Societat de la Informació (PI: N. Sebastián): €50,600 (4 years)
- DGCYT. SEJ2005-00409 Ministerio de Ciencia y Tecnología (Spain) (PI: Dr. Albert Costa): €66,000
- 2004 DGCYT TIN2004-04363-C03-02. Ministerio de Ciencia y Tecnología (Spain) (PI: Dr. Soto-Faraco): €57,000 (3 years)
- 2002 DGCYT BSO2002-01545 Ministerio de Ciencia y Tecnología (Spain) (PI: Dr. A. Costa): €17,920 (3 years)
- 2001 DGCYT BSO2001-3492-C04-01 Ministerio de Ciencia y Tecnología (Spain) (PI: Dr. N. Sebastián) (3 years)
- 2001SGR00034. Llenguatge i Adquisició de Coneixement. Departament d'Universitats, Recerca i Societat de la Informació (PI: N. Sebastián): €34,858 (4 years)
- 2000 1999SGR00083. Llenguatge i Adquisició de Coneixement. Comissionat per a Universitats i Recerca (PI: N. Sebastián): €12,020 (2 years)
- 1999 National Science and Engineering Research Council (NSERC, Canada). Components of selective attention. (PI: A. Kingstone). (4 years)
- Human Frontier Science Program (HFSP). Subcortical mechanisms of vision. (PI: P. MacMullen). (3 years)
- 1998 DGCYT PB97-0977 Secretaría de Estado de Universidades e Investigación. (PI: N. Sebastián): €12,823 (3 years)
- 1997 1997SGR00351. Llenguatge i Adquisició de Coneixement. Comissionat per a Universitats i Recerca (PI: N. Sebastián) (3 years)
- 1995 DGCYT PB94-0926 Secretaría de Estado de Universidades e Investigación. (PI: N. Sebastián): €33,939 (3 years)
- (PIGC publicat al DOGC 2052, 19/05/1995). Llenguatge i Adquisició de Coneixement. Comissionat per a Universitats i Recerca (PI: N. Sebastián) (2 years)

Research contracts with industry

- 2008 Unilever Ltd. R&D. Project contract PS-2007-0780: 77.000€ (1 year)
- 2002 Human Early Learning Partnership (HELP, British Columbia, Canada): US\$31,000
- 2001 Basic research funds from Nissan Motors Co.: US\$32,000 (2 years)

Awards, scholarships and conference organization grants

- 2023 MINECO Juan de la Cierva PosDoctoral Scholarship to Dr. Magdalena Matyjek (declined)

- MINECO FPI pre-doctoral fellowship: Arek Jazjian.
- 2022 Ajuts econòmics per a activitats d'impacte social de la recerca (UPF). Building bridges for autism: closing the gap between the autism community, society and research. €2,200. Dr. M. Matyjek
- 2021 Margarita Salas program (MINECO). Post-doctoral fellowship: Dr. Javier Sanz Aznar
EUTOPIA European Universities alliance: Post-doctoral fellowship: Dr. Magdalena Matyjek
MINECO FPI pre-doctoral fellowship: Adrià Marly Pèlach.
- 2019 MINECO Juan de la Cierva PosDoctoral Scholarship: Dr. Pau A. Packard
- 2018 InPhinit La Caixa PhD Scholarship: Ms. Indre Pilekyte
InPhinit La Caixa PhD Scholarship: Ms. Duygu Özbağcı
MINECO FPI PhD Scholarship: Ms. Irene Vigué Guix
- 2016 MINECO Juan de la Cierva PosDoctoral Scholarship: Mr Adrián Ponce
- 2015 AGAUR FI PhD Scholarship: Ms. Daria Kvasova
- 2014 MINECO Juan de la Cierva PosDoctoral Scholarship: Ms Manuela Ruzzoli
- 2013 MINECO PhD Scholarship FPU: Ms Marta Szabina Pápai
- 2011 MINECO PhD Scholarship FPI: Mr. Emmanuel Biau
Paper of the year award Spanish Society for Experimental Psychology (Talsma et al. 2010 Trends in Cognitive Sciences)
- 2010 Ajuts per professors visitants (PIV, Generalitat de Catalunya) to Dr. Soto-Faraco/James T. Enns (€3,700)
- 2007 Ajuts per estades a l' estranger (BE, Generalitat de Catalunya) to Dr. Soto-Faraco (€8,800)
- 2005 SEJ2004-22009-E. Acción Especial. Ministerio de Ciencia y Tecnología (Spain) (PI: Joan López-Moliner): €8,900
ARCS Grant (Generalitat de Catalunya, Spain) (PI: Joan López-Moliner): €2,400
ACES-Universitat de Barcelona: €1,000
- 2004 ARCS Grant (Ref. 2004ARCS1-1; Generalitat de Catalunya, Spain) (PI: Dr. Soto-Faraco): €3,000
BSO2002-12816-E. Acción Especial. Ministerio de Ciencia y Tecnología (Spain) (PI: Dr.Soto-Faraco): €5,100
- 2003 Network Grant from the Oxford McDonnell-Pew Centre for Cognitive Neuroscience to Dr. Soto-Faraco / Dr. C.Spence: US\$2,725
- 2002 Beca Batista i Roca (Generalitat de Catalunya) to Dr. Soto-Faraco: €5,300
- 2001 Ramón y Cajal returning scientist award from the Spanish Government.
Marie Curie postdoctoral fellowship from the European Union (declined).
- 2000 Killam Postdoctoral Award, University of British Columbia (Vancouver, Canada).
- 1999 Network Grant from the Oxford McDonnell-Pew Centre for Cognitive Neuroscience to Dr. Soto-Faraco / Dr. Charles Spence: US\$2,500
- 1996 Ph.D. scholarship (FP95-77605578) from the Spanish Ministerio de Educación y Cultura

PUBLICATION RECORD

Numerical impact indices (24/12/2023):

- Google scholar: h=55 Cit.= 11254 (since 2018: h=35; cit: 4,487).

- Scopus: h=46; Cit.=6,798
- WoS: h=46; Cit.= 6,962.

Articles published in refereed academic journals

- Drew, A., & Soto-Faraco, S. (2024). Perceptual oddities: assessing the relationship between film editing and prediction processes. *Philosophical Transactions of the Royal Society B*, 379(1895), 20220426. <https://doi.org/10.1098/rstb.2022.0426>
- Rodríguez-Prada, C., Burgaleta, M., Morís-Fernández, L., Vadillo, M.A., & Soto-Faraco, S. (2023). Online Interventions for Mental Health in Times of COVID: A Systematic Review and Quality Assessment of Scientific Production. *Collabra: Psychology* 9(1):90197. <https://doi.org/10.1525/collabra.90197>
- Marly, A., Yazdijan, A., & Soto-Faraco, S. (2023). The role of conflict processing in multisensory perception: behavioural and electroencephalography evidence. *Philosophical Transactions of the Royal Society B*, 378(1886), 20220346. <https://doi.org/10.1098/rstb.2022.0346>
- Sanz-Aznar, J., Bruni, L. E., & Soto-Faraco, S. (2023). Cinematographic continuity edits across shot scales and camera angles: an ERP analysis. *Frontiers in Neuroscience*, 17. <https://doi.org/10.3389/fnins.2023.1173704>
- Vigué-Guix, I., & Soto-Faraco, S. (2023). Using occipital α -bursts to modulate behavior in real-time. *Cerebral Cortex*, bhad217. <https://doi.org/10.1093/cercor/bhad217>
- Esparza-Iaizzo, M., Vigué-Guix, I., Torralba, M., & Soto-Faraco, S. (2023). Long-range alpha-synchronisation as control signal for BCI: A feasibility study. *eNeuro*. <https://doi.org/10.1101/2022.05.25.493035>
- Vilà-Balló, A., Marti-Marca, A., Torralba Cuello, M., Soto-Faraco, S., & Pozo-Rosich, P. (2022). The influence of temporal unpredictability on the electrophysiological mechanisms of neural entrainment. *Psychophysiology*, e14108. <https://doi.org/10.1111/psyp.14108>
- Vidal, A., Soto-Faraco, S., & Moreno-Bote, R. (2022). Balance between breadth and depth in human many-alternative decisions. *Elife*, 11, e76985. <https://doi.org/10.7554/eLife.76985>
- Torralba, M., Drew, A., Sabaté San José, A., Morís Fernández, L. and Soto-Faraco, S. (2022). Alpha fluctuations regulate the accrual of visual information to awareness, *Cortex*, <https://doi.org/10.1016/j.cortex.2021.11.017>
- Barbosa, J., Stein, H., Zorowitz, S., Niv, Y., Summerfield, C., Soto-Faraco, S., & Hyafil, A. (2023). A practical guide for studying human behavior in the lab. *Behavior Research Methods*, 55(1), 58-76. <https://doi.org/10.3758/s13428-022-01793-9>
- Drew, A., Torralba, M., Ruzzoli, M., Morís Fernández, L., Sabaté, A., Pápai, M. S., & Soto-Faraco, S. (2022). Conflict monitoring and attentional adjustment during binocular rivalry. *European Journal of Neuroscience*, 55(1):138-153. <https://doi.org/10.1111/ejn.15554>
- Vigué-Guix, I., Moris Fernandez, L., Torralba Cuello, M., Ruzzoli, M., & Soto-Faraco, S. (2022). Can the occipital alpha-phase speed up visual detection through a real-time EEG-based brain-computer interface (BCI)?. *European Journal of Neuroscience*, 55(11-12), 3224-3240. <https://doi.org/10.1111/ejn.14931>
- Ozbagci, D., Moreno-Bote, R. & Soto-Faraco, S. The dynamics of decision-making and action during active sampling. *Sci Rep* 11, 23067 (2021). <https://doi.org/10.1038/s41598-021-02595-3>
- Cruzat J., Torralba M., Ruzzoli M., Fernández A., Deco G., Soto-Faraco S. (2021). The phase of theta oscillations modulates successful memory formation at encoding. *Neuropsychologia* 154:107775 <https://doi.org/10.1016/j.neuropsychologia.2021.107775>
- Orpella, J., Ripollés, P., Ruzzoli, M., Amengual, J. L., Callejas, A., Martínez-Alvarez, A., ... & de Diego-Balaguer, R. (2020). Integrating when and what information in the left parietal lobe allows language rule generalization. *PLoS biology*, 18(11), e3000895.
- Spence, C., & Soto-Faraco, S. (2020). *Crossmodal Attention Applied: Lessons for Driving (Elements in Perception)*. Cambridge: Cambridge University Press. doi:10.1017/9781108919951

- Soto-Faraco, S., Kvasova, D., Biau, E., Ikumi, N., Ruzzoli, M., Morís-Fernández, L., & Torralba, M. (2019). *Multisensory Interactions in the Real World (Elements in Perception)*. Cambridge: Cambridge University Press. doi:10.1017/9781108578738
- Kvasova, D., Garcia-Vernet, L., & Soto-Faraco, S. (2019). Characteristic sounds facilitate object search in real-life scenes. *Front. Psychol.*, 05, <https://doi.org/10.3389/fpsyg.2019.02511>
- Lunn, J., Sjoblom, A., Ward, J., Soto-Faraco, S., & Forster, S. (2019). Multisensory enhancement of attention depends on whether you are already paying attention. *Cognition*, 187, 38-49. <https://doi.org/10.1016/j.cognition.2019.02.008>
- Papeo, L., Goupil, N., & Soto-Faraco, S. (2019). Visual search for people among people. *Psychological science*, 30(10), 1483-1496. <https://doi.org/10.1177/0956797619867295>
- Ruzzoli, M., Torralba, M., Morís-Fernández, L. & Soto-Faraco, S. (2019). The relevance of alpha phase in human perception. *Cortex*, 120: 249-268. <https://doi.org/10.1016/j.cortex.2019.05.012>
- Mühlberg, S., & Soto-Faraco, S. (2019). Cross-modal decoupling in temporal attention between audition and touch. *Psychological research*, 83(8), 1626-1639. <https://link.springer.com/article/10.1007/s00426-018-1023-6>
- Ikumi, N., Torralba, M., Ruzzoli, M., & Soto-Faraco, S. (2019). The phase of pre-stimulus brain oscillations correlates with cross-modal synchrony perception. *European Journal of Neuroscience*, 49(2), 150-164. <https://doi.org/10.1111/ejn.14186>
- Santa, J. C., Exadaktylos, F., & Soto-Faraco, S. (2018). Beliefs about others' intentions determine whether cooperation is the faster choice. *Scientific reports*, 8(1), 7509.
- Castro, L., Soto-Faraco, S., Morís Fernández, L., & Ruzzoli, M. (2018). The breakdown of the Simon effect in cross-modal contexts: EEG evidence. *European Journal of Neuroscience*, 47(7), 832-844.
- Morís Fernández, L., Torralba Cuello, M., & Soto-Faraco, S. (2018). Theta oscillations reflect conflict processing in the perception of the McGurk illusion. *European Journal of Neuroscience*.
- Biau, E., Fromont, L. A., & Soto-Faraco, S. (2018). Beat Gestures and Syntactic Parsing: An ERP Study. *Language Learning*, 68, 102-126.
- Sánchez-García, C., Kandel, S., Savariaux, C., & Soto-Faraco, S. (2018). The time course of audio-visual phoneme identification: a high temporal resolution study. *Multisensory Research*, 31(1-2), 57-78.
- Morís Fernández, L., Macaluso, E., & Soto-Faraco, S. (2017). Audiovisual integration as conflict resolution: The conflict of the McGurk illusion. *Human brain mapping*, 38(11), 5691-5705.
- Ruzzoli, M., & Soto-Faraco, S. (2017). Modality-switching in the Simon task: The clash of reference frames. *Journal of Experimental Psychology: General*, 146(10), 1478-1497. <http://dx.doi.org/10.1037/xge0000342>
- Fromont LA, Soto-Faraco S and Biau E (2017) Searching High and Low: Prosodic Breaks Disambiguate Relative Clauses. *Front. Psychol.* 8:96. doi:10.3389/fpsyg.2017.00096
- Ikumi, N. & Soto-Faraco, S. (2017). Grouping and segregation of sensory events by actions in temporal audio-visual recalibration. *Frontiers in Integrative Neuroscience*, 10:44, <http://journal.frontiersin.org/article/10.3389/fnint.2016.00044/abstract>
- Papai, M.S. & Soto-Faraco, S. (2017). Sounds can boost the awareness of visual events through attention without cross-modal integration *Scientific Reports*, 7
- Papeo, L., Stein, T., & Soto-Faraco, S. (2017). The two-body inversion effect. *Psychological science*, 28(3), 369-379.
- Birulés-Muntané, J., & Soto-Faraco, S. (2016). Watching Subtitled Films Can Help Learning Foreign Languages. *PloS one*, 11(6), e0158409. <http://dx.doi.org/10.1371/journal.pone.0158409>
- Biau, E., Fernández, L. M., Holle, H., Avila, C., & Soto-Faraco, S. (2016). Hand gestures as visual prosody: BOLD responses to audio-visual alignment are modulated by the communicative nature of the stimuli. *NeuroImage*, vol 132:129-137. doi:10.1016/j.neuroimage.2016.02.018

- ten Oever, S., Romei, V., van Atteveldt, N., Soto-Faraco, S., Murray, M. M., & Matusz, P. J. (2016). The COGs (context, object, and goals) in multisensory processing. *Experimental brain research*, 234(5), 1307-1323. <http://link.springer.com/article/10.1007/s00221-016-4590-z>
- Overvliet, K. E., Karana, E., & Soto-Faraco, S. (2016). Perception of Naturalness in Textiles. *Materials & Design*, vol 90:1192-1199. doi:10.1016/j.matdes.2015.05.039
- Jaekl, P., Pesquita, A., Alsius, A., Munhall, K., & Soto-Faraco, S. (2015). The contribution of dynamic visual cues to audiovisual speech perception. *Neuropsychologia*, 75, 402-410. <http://dx.doi.org/10.1016/j.neuropsychologia.2015.06.025>
- Fernández, L. M., Visser, M., Ventura-Campos, N., Ávila, C., & Soto-Faraco, S. (2015). Top-down attention regulates the neural expression of audiovisual integration. *NeuroImage*, 119, 272-285. doi:10.1016/j.neuroimage.2015.06.052
- Biau, E. & Soto-Faraco, S. (2015). Synchronization by the hand: The sight of gestures modulates low-frequency activity in brain responses to continuous speech. *Perspective article in Front. Hum. Neurosci.*, vol 9: 527. <http://dx.doi.org/10.3389/fnhum.2015.00527>
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- (*) *Work by PhD students under my supervision*

Books + Book chapters

- Spence, C. & Soto-Faraco (2020). Crossmodal attention applied: Lessons for and from driving. M. Chun (Ed.), *Cambridge Elements of Attention*. Cambridge, UK: Cambridge University Press
- Soto-Faraco et al. (2019). MULTISENSORY INTERACTIONS IN COMPLEX ENVIRONMENTS: TOWARD REAL-WORLD GENERALIZATION. In J. T. Enns (Ed.), *Cambridge Elements in Perception*, Cambridge, UK: Cambridge University Press.

- Talsma, D., Senkowski, D., Soto-Faraco, S., & Woldorff, M.G. (2012). Influences of top-down attention on multisensory processing. In B. E. Stein (ed) *The New Handbook of Multisensory Processing*, pp. 371-381 The MIT Press
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- Pereda, A., Navarra, J. & Soto-Faraco, S. (2011). Visuomotor interactions, mirror neurons and high-level cognitive processes: A brief review. In Alexandra M. Columbus (Ed.) *Advances in Psychology Research*. pp. 75-98, Nova Science Publishers Inc.: NY. ISBN: 978-1-60741-503-9
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- Soto-Faraco, S. & Kingstone, A. (2004). Multisensory integration of dynamic information. In *The Handbook of Multisensory Processes*. G. Calvert, C. Spence & B. Stein (Eds.). (pp. 49-68). The MIT Press.
- Sebastian-Galles, N. & Soto-Faraco, S. (2000). L'atenció. In *Processos Psicològics Bàsics*. H. Boada & A. Caparrós (Eds.). Pulicacions Univesitat Oberta de Catalunya.

CONFERENCE PRESENTATIONS, INVITED TALKS AND DISSEMINATION

Conference presentations

2024

Matyjek, M., Nico Bast & Salvador Soto Faraco (Sponsor: Antonia Hamilton). 'Is there a social motion preference in autistic adults?' - Oral presentation at the *Meeting of the Experimental Psychology Society*, January 3-5, London, UK

2023

Torralba, M. & Soto-Faraco, S. Using VR and EEG to investigate SN in Humans – Oral presentations at the BBRC – CBC joint workshop, April 26, 2023, Barcelona.

Soto-Faraco, S. Introduction to the MRG work and potential collaboration perspectives – Oral presentation at the SONY-AI – CBC joint meeting, Sept 6, 2023, Barcelona.

Torralba Cuello, M, Fuentemilla Garriga, L, Blat, J, Marti-Marca, A, Pápai, MS, Soto-Faraco, S. 'Using visual sensory entrainment for modulating Spatial Navigation in Virtual Reality environments'. Cutting EEG – Donostia garden, October 16-19, Donostia, Spain.

Soto-Faraco, S. Pápai, MS, Marti-Marca, A., Torralba Cuello, M. 'A neural marker of topographical disorientation during realistic spatial navigation tasks'. Cutting EEG – Donostia garden, October 16-19, Donostia, Spain.

Matyjek M, Kita S, Soto Faraco S. "Multisensory integration of speech in social context". Poster presented at the 11th IBRO World Congress of Neuroscience, September 9-13, Granada, Spain.

Drew, A., Soto-Faraco, S. Poster presented at the 11th IBRO World Congress of Neuroscience, September 9-13, Granada, Spain.

Vidal, A., Moreno-Bote, R. & Soto-Faraco, S. "The role of mid-frontal theta oscillations in value-biased objective decisions". Poster presented at the 11th IBRO World Congress of Neuroscience, September 9-13, Granada, Spain.

Soto-Faraco, S. "The role of conflict in multisensory perception" – Oral communication at International Multisensory Research Forum, Brussels (BE) June 27-30 2023

Matyjek, L., Kita, S., Soto-Faraco, S. "Multisensory integration of speech in social context" – Poster presented at International Multisensory Research Forum, Brussels (BE), 27-30 June, 2023

Marly, A., Jazdjian, A., Soto-Faraco, S. "The role of conflict processing in multisensory perception: Behavioural and EEG evidence" - Poster presented at International Multisensory Research Forum, Brussels (BE) June 27-30 2023

2022

Drew, A., Ruzzoli, M., Torralba, M, S. Soto-Faraco. Conflict monitoring and attentional adjustment during binocular rivalry - Oral communication at Iberian Conference on Perception, Barcelona (ES), June 27-29, 2022, Spain

Vigué-Guix, I. & S. Soto-Faraco. Using occipital alpha-bursts to modulate behaviour in real-time" - Oral communication at Iberian Conference on Perception, Barcelona (ES), June 27-29, 2022, Spain

Torralba, M. & S. Soto-Faraco. "Alpha fluctuations regulate the accrual of visual information to awareness" - Oral communication at Iberian Conference on Perception, Barcelona (ES), June 27-29, 2022, Spain

Torralba, M., Alice Drew, Alba Sanjose, Salvador Soto-Faraco "Regulating the accrual of visual information to awareness with alpha entrainment - Poster presentation at International Conference of Cognitive Neuroscience. Helsinki (FI) May, 18th-22nd, 2022, Finland

Mireia Torralba, Manuela Ruzzoli, Irene Vigué-Guix, Luis-Morís Fernández, Salvador Soto-Faraco. "Alpha cycles and visual perception – Oral communication at International Conference of Cognitive Neuroscience. Helsinki (FI) May, 18th-22nd, 2022, Finland

Pileckyte Indre, Soto-Faraco, S. 'Modulating visual working memory capacity with sensory entrainment'. Poster presentation at International Conference of Cognitive Neuroscience. Helsinki (FI) May, 18th-22nd, 2022, Finland

2021

"The dynamics of decision making and action during active sampling" - Oral communication at Computational and Systems Neuroscience (Cosyne) 2021 Main meeting ONLINE: 24 February-26 February 2021

"Breadth versus depth: identifying close-to-optimal heuristics in human decision-making with finite resources." - Oral communication at Computational and Systems Neuroscience (Cosyne) Main meeting ONLINE: 24 February-26 February 2021

2020

2019

2018

Cruzat, J. Mireia Torralba, Manuela Ruzzoli, Gustavo Deco, Salvador Soto-Faraco. Theta phase at encoding leads to successful memory formation. Poster presented at *Conference on Cognitive Computational Neuroscience* Philadelphia, PA (USA), September 5–8, 2018.

Cruzat J., Mireia Torralba, Manuela Ruzzoli, Gustavo Deco, Salvador Soto-Faraco. Alpha phase at encoding leads to successful memory formation. Poster presented at the Workshop *Bridging Attention and Prediction*, Universitat de Barcelona, 6 & 20/02/2018

Pápai, M.S., Mireia Torralba Cuello, Max Bayer, Salvador Soto-Faraco. Occipital Alpha modulates the processing of suppressed visual stimuli during binocular rivalry. Poster presented at the Workshop *Bridging Attention and Prediction*, Universitat de Barcelona, 6 & 20/02/2018

Nierula B., A. Maselli, M. Jamshidi, A. Villringer, G. Deco, S. Soto-Faraco, M. V. Sanchez-Vives, V. V. Nikulin. Processing of visual and tactile stimuli during high and low body ownership illusion. Poster presented at the *MindBrainBody Symposium*, Berlin, March 15-16, 2018

M. Torralba, J. Cruzat, M. Ruzzoli, G. Deco, & S. Soto-Faraco. Fluctuations in Alpha/Theta phase in episodic memory encoding. Poster presented at the *Sociedad Española de Psicología Experimental (joint SEPEX/AIP/SENEPCA conference)*, Madrid July 3-6 2018

M. Ruzzoli, L. Castro, L. Morís-Fernández, & S. Soto-Faraco. The clash of spatial representations: modality mixing knocks out the Simon effect. Poster presented at the *Sociedad Española de Psicología Experimental (joint SEPEX/AIP/SENEPCA conference)*, Madrid July 3-6 2018

M. Torralba, M. S. Pápai, M. Bayer, & S. Soto-Faraco. Occipital Alpha modulates the processing of suppressed visual stimuli during binocular rivalry Poster presented at the *Sociedad Española de Psicología Experimental (joint SEPEX/AIP/SENEPCA conference)*, Madrid July 3-6 2018

I. Vigué-Guix, M. Torralba, L. Morís, S. Soto-Faraco, A BCI driven by EEG Alpha power from shifts in covert visuospatial attention. Poster presented at the *Sociedad Española de Psicología Experimental (joint SEPEX/AIP/SENEPCA conference)*, Madrid July 3-6 2018

D. Kvasova, & S. Soto-Faraco. Cross-modal semantic congruency in spatial orienting. Poster presented at the *Sociedad Española de Psicología Experimental (joint SEPEX/AIP/SENEPCA conference)*, Madrid July 3-6 2018

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Kvasova, D., Laia Garcia Vernet, Salvador Soto Faraco. Effect of audio-visual semantic congruency on spatial orienting. Poster presented at the *Rethinking the Senses Spring School*, Dubrovnik, Croatia: 3 - 8/04/2017)

Papai M & Salvador Soto Faraco. Sound helps rescue visual events to awareness but, is it audiovisual integration? Poster presented at the *Rethinking the Senses Spring School*, Dubrovnik, Croatia: 3 - 8/04/2017)

Soto-Faraco, S, Leonor Castro, Luis Moris & Manuela Ruzzoli. Tipo de comunicación: póster. The Clash of Spatial Representations: Modality Mixing Knocks Out the Simon Effect. Poster presented at the *Psychonomic Society 58th Annual Meeting*, Vancouver, Canada, 7-11/11/2017.

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Amengual J, Ruzzoli M, Callejas A, Martinez-Alvarez A, Orpella J, Soto-Faraco S, De Diego-Balaguer R. Left Inferior Parietal Lobe engagement during rule learning from speech involves temporal orienting of attention. Bressanone, Italy, European Workshop on Cognitive *Neuropsychology*, 25-29 Jan 2016.

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De Diego-Balaguer R, Amengual J, Ruzzoli M, Callejas A, Martinez-Alvarez A, Soto-Faraco S. Left Inferior Parietal Lobe engagement during rule learning from speech involves temporal orienting of attention. Society for Neuroscience, Chicago, United States, 20 Oct, 2015

Mireia Torralba Cuello, Manuela Ruzzoli, Salvador Soto-Faraco. Breaking the spell of group statistics by predicting functionally relevant signal and behaviour on individual basis. Poster at *Neuroscience R&D Technologies Conference*, 3-4 December, Barcelona.

Stefanie Mühlberg, Mireia Torralba Cuello, Manuela Ruzzoli, Joachim Gross, Salvador Soto-Faraco. Modulation of behavior and low frequency oscillations as a function of expectation to time and modality. Poster at the *Rovereto Workshop on Attention (RAW): Attention and Brain Fluctuations*, 5-8th November, Rovereto (Italy).

Nara Ikumi, Mireia Torralba Cuello, Manuela Ruzzoli, Salvador Soto-Faraco. Ongoing alpha phase explains perceptual variability in audio-visual synchrony judgments. Talk at the *Rovereto Workshop on Attention (RAW): Attention and Brain Fluctuations*, 5-8th November, Rovereto (Italy). [Poster award winner]

Mireia Torralba Cuello, Manuela Ruzzoli, Salvador Soto-Faraco. Alpha rhythm and perception: Breaking the spell of group statistics by predicting performance on individual basis. Poster at the *Rovereto Workshop on Attention (RAW): Attention and Brain Fluctuations*, 5-8th November, Rovereto (Italy).

Stefanie Mühlberg, Salvador Soto-Faraco. Attention to time across different senses: How does it affect our behavior and brain oscillations? Poster. *Department of Information and Communication Technologies (DTIC) Doctoral Student Workshop*, 3rd edition, March 20th, 2015, Barcelona (Spain).

Stefanie Mühlberg, Mireia Torralba Cuello, Manuela Ruzzoli, Joachim Gross, Salvador Soto-Faraco. Alpha oscillations are modulated by expectations in time for touch but not for vision. Poster. *Entrainment of Brain Oscillations Conference (EBO)*, 17-18th September, Delmenhorst (Germany).

Pápai Márta Szabina, Soto-Faraco Salvador. Sound helps to rescue unaware visual information to awareness via crossmodal bottom-up attentional capture. Poster. *International Multisensory Research Forum (IMRF)*, 16th edition, 13-16th June, 2015, Pisa (Italy).

Biau Emmanuel, Fernandez Luis Moris, Holle Henning, Avila César, Soto-Faraco Salvador. An asynchrony between beat gestures and speech affects language processing. Poster. *International Multisensory Research Forum (IMRF)*, 16th edition, 13-16th June, 2015, Pisa (Italy).

M. Pápai, S. Soto-Faraco. Cross-modal bottom-up capture fails for subliminal visual events. Poster. *Conference of the European Society for Cognitive Psychology (ESOP)*, 19th edition, 17-20th September, Paphos (Cyprus).

Stefanie Mühlberg. Multisensory Research Group. Presentation. *Center of Brain and Cognition (CBC) Workshop*, 27th May, 2015, Barcelona (Spain) .

Luis Morís Fernández, Emiliano Macaluso, & Salvador Soto-Faraco. The role of conflict in the perception of the McGurk illusion. Poster. *Center of Brain and Cognition (CBC) Workshop*, 27th May, 2015, Barcelona (Spain) .

Marta Papai, Oana Iosif & Salvador Soto-Faraco. Cross-modal bottom-up capture fails for subliminal visual events. Poster. *Center of Brain and Cognition (CBC) Workshop*, Presentation, 27th May, 2015, Barcelona (Spain) .

Nara Ikumi, Mireia Torralba, Manuela Ruzzoli, & Salvador Soto-Faraco. How the brain encodes synchrony perception? Poster. *Center of Brain and Cognition (CBC) Workshop*, 27th May, 2015, Barcelona (Spain).

Orlando Villouta, Nara Ikumi, & Salvador Soto-Faraco. How our synchrony perception is affected by our actions? Poster. *Center of Brain and Cognition (CBC) Workshop*, Presentation, 27th May, 2015, Barcelona (Spain).

Stefanie Mühlberg & Salvador Soto-Faraco. Attention to time across different senses: How does it affect our behavior and brain oscillations? Poster. *Center of Brain and Cognition (CBC) Workshop*, 27th May, 2015, Barcelona (Spain).

Marcel Farrés, Mireia Torralba, Manuela Ruzzoli & Salvador Soto-Faraco. Show2next cycle, Brain real-time analysis and stimulus synchronization. Poster. *Center of Brain and Cognition (CBC) Workshop*, 27th May, 2015, Barcelona (Spain).

Fromont, L., Biau, E., Soto-Faraco, S. Searching high and low: A prosodic account for relative clause attachment preferences in Spanish. *Conference of the Canadian Linguistic Association (CLA)*, May 30 – Jun 1, 2015, Ottawa (Canada).

2014

Lauren Fromont, E. Biau and, S. Soto-Faraco. Taking prosody by the hand: the effect of pauses and gestures on sentence disambiguating. *CBC Workshop, At Universitat Pompeu Fabra*, Barcelona, Barcelona, Spain

Luis Morís Fernández, Maya Visser, César Ávila, Salvador Soto-Faraco. Selective attention to sound modulates neural activity in areas of audiovisual integration, talk, *Cognitive Science Arena for Beginners (CSAB)*, 2nd edition, 28th-March 1st, 2014, Brixen (Italy).

Pápai, M. Sz. & Soto-Faraco, S. Sound helps to rescue unaware visual information to awareness, Poster presented at *International Multisensory Research Forum*, 15th, 2014, Amsterdam.

S.Mühlberg, M. Torralba Cuello, M. Ruzzoli, J. Gross, S. Soto-Faraco. Selective deployment of attention to time and modality via low frequency oscillations. Poster at the *International Multisensory Research Forum (IMRF)*, 15th Edition, June 10-14 2014, Amsterdam.

Kvasova D., Moro S., Pérez-Bellido A. & Soto-Faraco. "Endogenous spatial attention modulates the temporal window of audio-visual interactions". Talk presented at *International Multisensory Research Forum 2014 (IMRF-2014)*. June 11th-14th, 2014, Amsterdam, Netherlands.

Salvador Soto-Faraco, Emanuel Biau, Luis Morís. Speech gestures and attention, talk, *International Multisensory Research Forum (IMRF)*, 15th edition, 11th - 14th June 2014, Amsterdam.

Luis Morís Fernández, Emiliano Macaluso, Salvador Soto-Faraco. Anterior cingulate cortex responsiveness to audiovisual conflict in the McGurk illusion, poster, *International Multisensory Research Forum (IMRF)*, 15th edition, 11th - 14th June 2014, Amsterdam.

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S. Soto-Faraco, S. (2013). Multisensory contributions to second language processing. Talk at the *Workshop on Cognitive Neuroscience and Bilingualism*, Barcelona (Spain): Sept 19-20, 2013

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M. Visser; N. Ventura Campos; S. Tziraki; C. Ávila; L. Morís Fernández; S. Soto Faraco.(2013). The role of visual speech during non-native phoneme discrimination an fMRI study. Poster at the *Workshop on Cognitive Neuroscience and Bilingualism*, Barcelona (Spain): Sept 19-20, 2013

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N. Ikumi; S. Soto Faraco (2013) Selective attention determines the direction of audiovisual temporal recalibration, Talk at *14th International Multisensory Research Forum (IMRF)*, Jerusalem (Israel): June 3-6, 2013

L. Morís Fernández; M. Visser; S. Soto Faraco. (2013). Selective attention to sound modulates neural activity in areas of audiovisual integration. Talk at *14th International Multisensory Research Forum (IMRF)*, Jerusalem (Israel): June 3-6, 2013

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S.Mühlberg, M.Ruzzoli, S. Soto-Faraco (2012). The influence of time prediction on modality expectancy. Poster at the *13th International Multisensory Research Forum (IMRF)*, Oxford, June 19 – 22.

Biau, E, Soto-Faraco, S. (2012). Do beat gestures modulate auditory integration in speech perception? Poster at the *International Multisensory Research Forum*, Oxford. June, 19-22

Pannunzi M., Bellido A., Baños A., Moliner J., Deco G. and Soto-Faraco S. (2012). Scrutinizing integrative effects in multi-stimuli detection task poster at the *International Multisensory Research Forum*, Oxford. June, 19-22

Ruzzoli M., Soto-Faraco S. (2012). TMS entrainment of pre-stimulus oscillatory activity in tactile perception. Poster at the *International Multisensory Research Forum, Oxford, UK*. June 19-22, <https://shoreserv.mcmaster.ca/IMRF/ocs4/index.php/imrf/2012/paper/view/141>

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<http://imrf.mcmaster.ca/IMRF/ocs3/index.php/imrf/2011/paper/view/134>

Pérez-Bellido, A, Soto-Faraco, S, & López-Moliner, J. (2011). What is sensory about multi-sensory enhancement of vision by sounds? Talk at the *International Multisensory Research Forum*, Fukuoka, Japan. October 17-20, 2011. [Recipient of the IMRF student's award].

Pérez-Bellido, A, M. Pannunzi, A. Pereda, J. Lopez-Moliner, G. Deco & S. Soto-Faraco (2011). Audio-tactile integration in detection: When the stimuli frequencies do not matter. *Multisensory perception and action* Symposium Bernstein Center for Computational Neuroscience Tübingen (Germany), Sept 28-29, 2011.

Jaekl, P., A. Alsius, A. Pesquita, K. Munhall, S. Soto-Faraco. (2011). Configural vs. Motion processing in audiovisual enhancement of speech. Talk at the European Conference for Visual Processing, Toulouse (France), Aug 28- Sept 1.

Sánchez, C., A. Alsius, J. Enns, Soto-Faraco, S. (2011). Cross-modal prediction during speech perception. Poster presented at the XI ICON conference, Mallorca (Spain), 25-29 Sept. 2011

Albantakis, L. Deco G., Overvliet, K., Azañón, E., and Soto-Faraco, S. (2011). What decision-making models can tell us about tactile remapping. Poster #69 at the Computational Neuroscience Society meeting, Stockholm (Sweden), July 23-28, 2011.

Pannunzi, M., G. Deco, S. Soto-Faraco, A. Pereda-Banos & A. Perez-Bellido (2011). Neural mechanisms of audio tactile integration in the flutter range. Poster #403 at the Computational Neuroscience Society meeting, Stockholm (Sweden), July 23-28, 2011.

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Pereda, A. & Soto-Faraco, S. (2010). Priming choice behaviour by action observation. Poster presented at the *Experimental Psychology Society Meeting / SEPEX*, Granada, Spain, April 15-17

Sánchez, C., Alsius, A., Enns, J.T. & Soto-Faraco, S. (2010). Cross-modal Prediction in Audiovisual Speech Perception. Poster presented at the *Experimental Psychology Society Meeting / SEPEX*, Granada, Spain, April 15-17

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Jaekl, P., & Soto-Faraco, S. (2009). A Comparison of Audio-Visual Interactions in Magno- and Parvocellular Visual Pathways. Poster. *International Multisensory Research Forum*, New York, USA. Jun 29-Jul 2

Azañón, E., Matthew R. Longo, Salvador Soto-Faraco, Patrick Haggard (2009) Temporal Course in Tactile Encoding: from a Somatotopic to an External Frame of Reference. 16th Annual meeting of the Cognitive Neuroscience Society (San Francisco, EUA). Poster

Azañón, E., Matthew R. Longo, Patrick Haggard, Salvador Soto-Faraco (2009) Disrupting spatial remapping of touch with TMS. Talk at the 10th International Multisensory Research Forum (New York, EUA). Jun 29-Jul 2

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Sánchez, C., Alsius, A., Enns, J. T. & Soto-Faraco, S. (2009). Crossmodal Prediction. Oral communication at Reunión para el Estudio Científico de la Atención- RECA7, Granada, Spain. April 23-25.

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Alsius, A. & Soto-Faraco, S. (2008). Detección de la correspondencia audiovisual del habla en una tarea de búsqueda visual y auditiva. Congreso SEPEX (Sociedad Española de Psicología Experimental; San Sebastián, Spain). Presentacion oral.

Alsius, A. & Soto-Faraco, S. (2008). Searching for the talking head: The cocktail party revisited. Poster presented at the at *9th Annual Meeting of the International Multisensory Research Forum*, University of Hamburg, Germany

Azañón E & Soto-Faraco, S (2008) Curso temporal de la localización táctil. Séptimo Congreso SEPEX (Sociedad Española de Psicología Experimental; San Sebastián, Spain). Oral presentation

Azañón E & Soto-Faraco, S (2008) Time course of tactile localization. The Sense of Body Summer School (Bologna, Italy). Poster

Azañón, E. & Soto-Faraco S (2008). Changing representations during tactile encoding. Poster presented at the at *9th Annual Meeting of the International Multisensory Research Forum*, University of Hamburg, Germany

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Navarra, J., Alsius, A. Soto-Faraco, S. & Spence, C. (2008). Influencia de la experiencia lingüística previa en la percepción de la sincronía audiovisual del habla. Congreso SEPEX (Sociedad Española de Psicología Experimental; San Sebastián, Spain). Poster

Navarra, J., Alsius, A., Soto-Faraco, S. & Spence, C. (2008). Prior linguistic experience modulates the temporal processing of audiovisual speech signals. Poster presented at the at *9th Annual Meeting of the International Multisensory Research Forum*, University of Hamburg, Germany

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Ventura-Campos, N., Barrós-Loscertales., A., Alsius, A., Soto-Faraco, S., Avila, C. (2008). Sparse sampling acquisition improves contrast values when testing supra-additivity hipótesis on speech comprehension. Poster y EPOS. European Society for Magnetic Resonance in Medicine and Biology (ESMRMB), Valencia, Spain

2007

Azañón, E & Soto-Faraco S (2007). Assessing the potential role of a somatotopic code in spatial tactile attention. *Body representation workshop* (Rovereto; Italy). Oral presentation

Azañón, E & Soto-Faraco S (2007) Modulating tactile order judgments with crossed-hands via visual capture. *Body consciousness: brain mechanisms of representation of the self and others workshop* (Soria, Spain). Oral presentation

Azañón, E & Soto-Faraco, S (2007) The remapping of tactile events: evidence from the 'crossed-hands' deficit. *Sexta Reunión Científica sobre atención* (RECA; Barcelona, Spain). Oral presentation

Navarra, J., Soto-Faraco, S., Spence, C. The visual discrimination of rhythm in speech. XV Conference of European Society for Cognitive Psychology (ESCOP), Marseille, France, 2007.

Navarra, J., Alsius, A., Sebastián-Gallés, N., Soto-Faraco, S. El "efecto de doblaje": ¿juega la atención algún papel en la integración audiovisual del habla? *6ª Reunión Científica sobre Atención* (RECA), Barcelona, Spain, 2007.

Navarra, J., Soto-Faraco, S., & Spence, C. (July, 2007). Mechanisms underlying temporal recalibration between different senses. Paper presented at 8th Annual Meeting of the International Multisensory Research Forum, University of Sydney, Australia. Available at <http://imrf.mcmaster.ca/IMRF/2007/viewabstract.php?id=109>

Azañón, E., & Soto-Faraco, S. (July, 2007). The sight of uncrossed rubber hands improves crossed-hands tactile order judgments. Paper presented at 8th Annual Meeting of the International Multisensory Research Forum, University of Sydney, Australia. Available at <http://imrf.mcmaster.ca/IMRF/2007/viewabstract.php?id=44>

Linares, D., & Soto-Faraco, S. (July, 2007). Temporal ventriloquism studied by means of a backward masking paradigm. Paper presented at 8th Annual Meeting of the International Multisensory Research Forum, University of Sydney, Sydney, , Australia. Available at <http://imrf.mcmaster.ca/IMRF/2007/viewabstract.php?id=110>

Väljamäe, A., & Soto-Faraco, S. (July, 2007). Filling-in visual motion with sound. Paper presented at 8th Annual Meeting of the International Multisensory Research Forum, University of Sydney, Australia.
<http://imrf.mcmaster.ca/IMRF/2007/viewabstract.php?id=76>

Soto-Faraco, S., Navarra, J., Weikum, W., Vouloumanos, A., Sebastián-Gallés, N., & Werker, J. (July, 2007). Discriminating languages by speech reading in adults and infants. Paper at 8th Annual Meeting of the International Multisensory Research Forum, University of Sydney, Australia.
<http://imrf.mcmaster.ca/IMRF/2007/viewabstract.php?id=17>

Azañón-Gracia, E. & Soto-Faraco, S. (January, 2007). Modulating tactile crossed-hands deficit by way of visual capture. Paper presented at the ESRC Workshop on Body Representation, University of Manchester, 17-18 January 2007, Manchester, England.

Väljamäe A., and Soto-Faraco, S. "Audio-visual interactions in dynamic scenes: implications for multisensory compression", invited paper at 9th International Congress on Acoustics – ICA'07, Madrid

2006

Soto-Faraco, S., & Alsius, A. (June, 2006). Ordering cross-modal events in time: When illusory and veridical perceptions coexist. Paper presented at 7th Annual Meeting of the International Multisensory Research Forum, University of Dublin, Trinity College, Dublin, , Ireland. Available at
<http://www.science.mcmaster.ca/~IMRF/2006/viewabstract.php?id=40>

Soto-Faraco, S., & Lopez-Moliner, J. (June, 2006). *Multisensory integration of velocity information*. Paper presented at 7th Annual Meeting of the International Multisensory Research Forum, University of Dublin, Trinity College, Dublin, , Ireland. Available at
<http://www.science.mcmaster.ca/~IMRF/2006/viewabstract.php?id=181>

Azañón, E., & Soto-Faraco, S. (June, 2006). Modulating tactile crossed-hands deficit by way of auditory and visual capture.. Paper presented at 7th Annual Meeting of the International Multisensory Research Forum, University of Dublin, Trinity College, Dublin, , Ireland. Available at
<http://www.science.mcmaster.ca/~IMRF/2006/viewabstract.php?id=70>

Alsius, A., Möttönen, R., Tiippana, K., Soto-Faraco, S., & Sams, M. (June, 2006). The Role of Attention in Audiovisual Speech Integration: Evidence from ERPs. Paper presented at 7th Annual Meeting of the International Multisensory Research Forum, University of Dublin, Trinity College, Dublin, , Ireland. Available at <http://www.science.mcmaster.ca/~IMRF/2006/viewabstract.php?id=33>

ALSIUS, A.; MÖTTÖNEN, R.; TIIPPANA, K.; SOTO-FARACO, S.; SAMS, M. (2006). POSTER. Título: EL ROL DE LA ATENCION EN LA INTEGRACION AUDIOVISUAL DEL HABLA: EVIDENCIA DE LOS ERPS. Conferencia de la Sociedad Española de Psicología Experimental (6-9 Julio, Santiago de Compostela, Spain).

AZAÑÓN, E.; SOTO-FARACO, S. (2006). POSTER. Título: MODULANDO LA REPRESENTACION TACTIL MEDIANTE CAPTURA VISUAL Y AUDITIVA. Conferencia de la Sociedad Española de Psicología Experimental (6-9 Julio, Santiago de Compostela, Spain).

SINNETT, S.; TORO, J.M.; SOTO-FARACO, S. (2006). POSTER. Título: APRENDIZAJE DE REGLAS ABSTRACTAS SIN ATENCION. Conferencia de la Sociedad Española de Psicología Experimental (6-9 Julio, Santiago de Compostela, Spain).

SOTO-FARACO, S.; ALSIUS, A. (2006). POSTER. Título: CUANDO ILUSION Y REALDAD COEXISTEN: ORDENANDO EVENTOS MULTISENSORIALES EN EL TIEMPO. Conferencia de la Sociedad Española de Psicología Experimental (6-9 Julio, Santiago de Compostela, Spain).

SOTO-FARACO, S.; SANABRIA, D.; LOPEZ-MOLINER, J.; SPENCE, CH. (2006). COMUNICACIÓN. Título: PERCEPCION DEL MOVIMIENTO MEDIANTE LA VISTA Y EL OIDO. Conferencia de la Sociedad Española de Psicología Experimental (6-9 Julio, Santiago de Compostela, Spain).

2005

Sinnett, S., Costa, A., & Soto-Faraco, S. (2005). Inattentional Blindness for Words Within and Across Sensory Modalities. Talk at the *First Iberian Conference on Perception*, Barcelona, Spain.

Navarra, J., Sebastián-Gallés, N., & Soto-Faraco, S. (2005). Audiovisual integration of speech and bilingualism: from interference to facilitation. Talk at the *First Iberian Conference on Perception*, Barcelona, Spain.

Alsius, A., Navarra, J., Campbell, R., & Soto-Faraco, S. (2005). Audiovisual Integration of Speech Alters under High Attention Demands. Talk at the *First Iberian Conference on Perception*, Barcelona, Spain.

Soto-Faraco, S. (2005). Perceiving touch in a multisensory body. Talk at the *First Iberian Conference on Perception*, Barcelona, Spain.

Azañón-Gracia, E., Rafal, R., Juncadella, M., Sinnett, S., & Soto-Faraco, S. (2005). Dissociating auditory and visual hemineglect: Evidence from temporal order judgments. Poster presented at the *First Iberian Conference on Perception*, Barcelona, Spain.

Alsius, A., Sinnett, S., Kingstone, A. & Soto-Faraco, S. (2005). *Eye-gaze orienting to auditory and tactile targets*. Paper presented at 6th Annual Meeting of the International Multisensory Research Forum, Rovereto, Italy. Available at <http://www.science.mcmaster.ca/~IMRF//2005/viewabstract.php?id=104>

*Navarra, J. Vatakis, A. Zampini, M., Soto-Faraco, S. & Spence, C. (2005). *Exposure to asynchronous audiovisual speech extends the temporal window for audiovisual integration*. Paper presented at 6th Annual Meeting of the International Multisensory Research Forum, Rovereto, Italy. Available at <http://www.science.mcmaster.ca/~IMRF//2005/viewabstract.php?id=128>

*Sanabria, D. Soto-Faraco, S. & Spence, C. (2005). *Spatial attention modulates spatiotemporal interactions between vision and audition*. Paper presented at 6th Annual Meeting of the International Multisensory Research Forum, Rovereto, Italy. Available at <http://www.science.mcmaster.ca/~IMRF//2005/viewabstract.php?id=61>

Sinnett, S., Rafal, R., Juncadella, M., Azañón, E. & Soto-Faraco, S. (2005). *Temporal order judgements in neglect patients: Evidence for a dissociation between visual and auditory neglect*. Paper presented at 6th Annual Meeting of the International Multisensory Research Forum, Rovereto, Italy. Available at <http://www.science.mcmaster.ca/~IMRF//2005/viewabstract.php?id=95>

*Sinnett, S., Soto-Faraco, S. & Spence, C. (2005). *The Colavita Effect Revisited: Sensory Dominance with Complex Stimuli*, Paper presented at 6th Annual Meeting of the International Multisensory Research Forum, Rovereto, Italy. Available at <http://www.science.mcmaster.ca/~IMRF//2005/viewabstract.php?id=94>

Soto-Faraco, S., Alsius, A., Navarra, J. & Campbell, R. (2005). Attention modulates multisensory integration: The case of audiovisual speech. Paper presented at 6th Annual Meeting of the International Multisensory Research Forum, Rovereto, Italy. Available at <http://www.science.mcmaster.ca/~IMRF//2005/viewabstract.php?id=20>

2004

Sanabria, D., Soto-Faraco, S., & Spence, C. (June, 2004). *Effects of hand posture on audio-tactile dynamic capture effects*. Paper presented at 5th Annual Meeting of the International Multisensory Research Forum, Universitat de Barcelona, Barcelona, , Spain. Available at http://www.science.mcmaster.ca/~IMRF/2004_submit/viewabstract.php?id=91

*Alsius, A., Navarra, J., Campbell, R., & Soto-Faraco, S. (June, 2004). *Preventing audiovisual integration of speech by diverting attention*. Paper presented at 5th Annual Meeting of the International Multisensory Research Forum, Universitat de Barcelona, Barcelona, , Spain. Available at http://www.science.mcmaster.ca/~IMRF/2004_submit/viewabstract.php?id=114

Toro, J., Sinnett, S., & Soto-Faraco, S. (June, 2004). *The effects of intra-modal and cross-modal attention in statistical learning*. Paper presented at 5th Annual Meeting of the International Multisensory Research Forum, Universitat de Barcelona, Barcelona, , Spain. Available at http://www.science.mcmaster.ca/~IMRF/2004_submit/viewabstract.php?id=90

Navarra, J., & Soto-Faraco, S. (June, 2004). *Audiovisual perception enhances phoneme categorization in second languages*. Paper presented at 5th Annual Meeting of the International Multisensory Research Forum, Universitat de Barcelona, Barcelona, , Spain. Available at http://www.science.mcmaster.ca/~IMRF/2004_submit/viewabstract.php?id=89

Sinnett, S., Rafal, R., Juncadella, M., & Soto-Faraco, S. (June, 2004). Studying Temporal Perception in Hemineglect Patients. Paper presented at 5th Annual Meeting of the International Multisensory Research Forum, Universitat de Barcelona, Barcelona, , Spain. Available at http://www.science.mcmaster.ca/~IMRF/2004_submit/viewabstract.php?id=84

Sanabria, D., Soto-Faraco, S., & Spence, C. (2004). Exploring visuo-tactile dynamic capture effects on auditory motion perception. *Meeting of the Experimental Psychology Society*. March, 31- April 1, Oxford (UK).

Soto-Faraco, S., Ronald, A. & Spence, C. (2004). Tactile selective attention and body posture: Assessing the multisensory contributions of vision and proprioception. *Meeting of the Experimental Psychology Society*. March, 31- April 1, Oxford (UK).

Sanabria, D., Soto-Faraco, S., & Spence, C. (2004). Modulación visuo-táctil en la percepción del movimiento aparente auditivo. *V Congreso de la Sociedad Española de Psicología Experimental (SEPEX)*, 25-27 Marzo, Madrid (Spain).

Navarra, J., Zampini, M., Soto-Faraco, S. & Spence, C. (2004). Recalibración temporal durante la integración audiovisual en lenguaje y música. *V Congreso de la Sociedad Española de Psicología Experimental (SEPEX)*, 25-27 Marzo, Madrid (Spain).

Soto-Faraco, S., Ronald, A. & Spence, C. (2004). Atención táctil en el espacio: Contribuciones multisensoriales de la visión y la propiocepción. *V Congreso de la Sociedad Española de Psicología Experimental (SEPEX)*, 25-27 Marzo, Madrid (Spain).

Alsius, A., Navarra, J. & Soto-Faraco, S. (2004). Bloqueando la integración audiovisual en la percepción del habla. *V Congreso de la Sociedad Española de Psicología Experimental (SEPEX)*, 25-27 Marzo, Madrid (Spain).

Toro, J. M., Sinnett, S. C. & Soto-Faraco, S. (2004). The effects of attention on statistical learning. *V Congreso de la Sociedad Española de Psicología Experimental (SEPEX)*, 25-27 Marzo, Madrid (Spain).

Sinnett, S. C., Rafal, R., Juncadella, M. & Soto-Faraco, S. (2004). Studying temporal perception in Hemineglect patients. *V Congreso de la Sociedad Española de Psicología Experimental (SEPEX)*, 25-27 Marzo, Madrid (Spain).

2003

Austen, E., Soto-Faraco, S., Eich, E., Enns, J. T., & Kingstone, A. (2003). Limits to body-schema re-mapping in the fake hand illusion. Poster presented at the Meeting of the Psychonomics Society, Vancouver (Canada), Nov. 6 – 9.

Sanabria, D., Soto-Faraco, S., & Spence, C. (2003). *Meeting of the European Society for Cognitive Psychology*. Sept., 17-20, Granada (Spain).

Sinnett, S., Soto-Faraco, S., & Costa, A. (2003). Inattentive Blindness for Words. *Meeting of the European Society for Cognitive Psychology*. Sept., 17-20, Granada (Spain).

Navarra, J., & Soto-Faraco, S. (2003). Not distinguishing between phonemes can make you faster. *Meeting of the European Society for Cognitive Psychology*. Sept., 17-20, Granada (Spain).

Soto-Faraco, S., Alsius, A., Navarra, J., & Campbell, R. (2003). Automaticity in audiovisual speech perception. *Reunión Científica sobre Atención*. Sept. 25-27, Valencia (Spain).

Soto-Faraco, S., Alsius, A., J., Navarra, J. & Campbell, R.. (2003). Assessing automaticity in audiovisual integration of speech. *4th Annual meeting of the International Multisensory Research Forum*, June 14-17, Hamilton, ON (Canada)

2002

Austen, E., Soto-Faraco, S., Enns, J. T. & Kingstone, A. (2002). A role for proprioception in binding touch and vision across space. *Canadian Society for Brain, Behaviour and Cognitive Science annual meeting*, May 30 – June 1, UBC (Vancouver, Canada)

Morein-Zamir, S., Soto-Faraco, S., Kingstone, A. (2002). Crossmodal Enhancement Of Visual Temporal Order Perception. *Canadian Society for Brain, Behaviour and Cognitive Science annual meeting*, May 30 – June 1, UBC (Vancouver, Canada)

Soto-Faraco, S., McDonald, J., Sebastián-Gallés, N. & Kingstone, A. (2002). Orientación de la atención visual y auditiva a la dirección de la mirada. *Congreso de la Sociedad Española de Psicología Experimental*, 18-20 de abril, Cuenca, Spain.

Soto-Faraco, S., McDonald, J. & Kingstone, A. (2002). Gaze direction: Effects on attentional orienting and crossmodal target responses. *Cognitive Neuroscience Society Meeting*. 14-16th April, San Francisco, CA.

2001

Austen, E., Soto-Faraco, S., Pinel, J. & Kingstone, A. (2001). Virtual Body Effect: Factors influencing visual-tactile integration. *Abstracts of the Psychonomic Society*, 6, 10

Morein-Zamir, S., Soto-Faraco, S., & Kingstone, A. (2001). Captured vision: Sounds influence the perception of visual temporal order. *Abstracts of the Psychonomic Society*, 6, 623

Sebastian-Galles, N. Navarra, J., Werker, J. & Soto-Faraco, S. (2001). Bimodal speech perception across languages in monolingual and bilingual listeners. *XIII Congress of the European Society for Cognitive Psychology*. 5 - 8 September, Edinburgh, Scotland.

Spence, C., Shore, D. I., Gazzaniga, M. S., Soto-Faraco, S. & Kingstone, A. (In press). Failure to remap visuotactile space across the midline in the split-brain. *Behavioural Pharmacology*.

Soto-Faraco, S., Kingstone, A. & Spence, C. (2001). Crossmodal integration of dynamic information. *Experimental Psychology Society Meeting*, July 11-13, Manchester, UK.

Austen, E., Soto-Faraco, S. & Kingstone, A. (2001). Influences on accurate visual-tactile integration. *Canadian Society for Brain, Behaviour and Cognitive Science annual meeting*, June 23-25, Laval, Québec.

Leslie, D., Soto-Faraco, S., Spence, C. & Kingstone, A. (2001). Crossmodal integration of dynamic information and attention. *Canadian Society for Brain, Behaviour and Cognitive Science annual meeting*, June 23-25, Laval, Québec.

Soto-Faraco, S., Kingstone, A., Spence, C. & Gazzaniga, M. S. (2001). Crossmodal dynamic capture. *Cognitive Neuroscience Society Meeting*. 25-27th March, New York City, NY.

2000

Soto-Faraco, S., Kingstone, A. & Spence, C. (2000). The role of movement and attention in modulating audiovisual and audiotactile 'ventriloquism' effects. *Abstracts of the Psychonomic Society*, 5, 40.

Soto-Faraco, S., Kingstone, A. & Spence, C. (2000). Intramodal and crossmodal temporal processing deficits. *Society for Neuroscience meeting*. November, New Orleans, LA.

*Caclin, A., Soto-Faraco, S., Kingstone, A., & Spence, C. (2000). Tactile 'capture' of audition. *2nd Multisensory Research Conference*. October, New York City, NY

Soto-Faraco, S., Kingstone, A., & Spence, C. (2000). Crossmodal dynamic capture. *2nd Multisensory Research Conference*, October, New York City, NY

Soto-Faraco, S., Spence, C., Kingstone, A. & Duncan, J. (2000). Spatial modulation of intramodal and crossmodal temporal processing deficits. *Experimental Psychology Society and Canadian society for Brain, Behaviour and Cognitive Science*. July 20-22, Cambridge, UK.

Soto-Faraco, S., Spence, C., Fairbank, K., Hillstrom, A. & Shapiro, K. (2000). Parpadeo atencional entre visión y tacto. *III Congreso de la Sociedad Española de Psicología Experimental*. May, Barcelona, Spain.

1999 and earlier

Soto-Faraco, S. & Sebastian-Galles, N. (1999). Procesamiento en curso de contrastes fonémicos del L1 y L2 en bilingües tempranos. *IV Simposio Nacional de Psicolingüística*. Madrid, Spain.

Hillstrom, A. P., Spence, C., Shapiro, K., & Soto-Faraco, S. (1999). Tactile and cross-modal attentional blinks. *Experimental Psychology Society*. July, Durham, UK.

Spence, C. & Soto-Faraco, S. (1999). Intramodal and crossmodal temporal processing deficits. *Experimental Psychology Society*. July, Durham, UK.

Soto-Faraco, S. & Spence, C. (1999). Auditory and visual blinks in attention do not span across modalities *Crossmodal Attention and Multisensory Integration Conference*. October, Oxford, UK.

Soto-Faraco, S., & Spence, C. (1999). Spatial modulation of repetition blindness and repetition deafness. *Abstracts of the Psychonomic Society*, 4, 87.

- Soto-Faraco, S. (1998). Repetition deafness under low memory load: Effects of ISI and attention. *XI Congress of the European Society for Cognitive Psychology*. Jerusalem, Israel.
- Soto-Faraco, S., Sebastian-Galles, N. & Cutler, A. (1998). Phonological cues for lexical access in Spanish. *II Congreso de la Sociedad Española de Psicología Experimental*. Granada, Spain.
- Soto-Faraco, S. (1997). Efectos de la repetición en modalidad auditiva. *III Simposio Nacional de Psicolingüística*. Oviedo, Spain.

Invited talks, symposia, and public dissemination

- 2023 Keynote speaker at Sino-German Symposium on “Multisensory processing, Neural mechanisms, and Applications”, hosted in Beijing, China, from Sept. 17 - 23, 2023.
<https://msense.de/symposium/>
- Invited talk Conflict in (Multisensory) Perception at the Cognition, Values & Behaviour (CVBE) Research Lab at the Ludwig Maximilian University of Munich (LMU), Germany. May 24th
- Invited talk Conflict in (Multisensory) Perception at Hildesheim University (Germany), Institute of Psychology, Germany. May 23th
- 2022 Keynote speaker at Reunion Científica sobre Atención XIII, Granada, Oct 7th
- 2021 Invited talk at World-Wide Neuro, Multisensory Perception Talks: Multisensory integration and conflict. Nov 4th, 2021. Watch on You Tube here: <https://youtu.be/JJDP7hJQ1MM>
- Invited talk at Growing Up in Science seminars organized by Scholar Minds Berlin, on 27/05/2021. <https://www.ecn-berlin.de/SMStory.html>
- 2020 Invited lecture at Université de Geneve (Switzerland), Visual modulation of speech perception in sentence context. 22-10-2020 <https://www.unige.ch/fapse/actualites/seminaire/soto-faraco/>
- 2019 Invited lecture at Adriatica Summer School, Body, senses and neural oscillations an integrated approach to human perception and behaviour, June 3-8, 2019, Pescara (Italy)
- 2018 Invited talk at the New Ideas in Hearing and Vision, l'Ecole Normale Supérieure, Paris, October 18-19, 2018
- Invited Talk: GIPSA-Lab, Grenoble (France), May 31, 2018
- Invited Talk: Societat Catalana de Neuropsicologia, 29 June, Ateneu de Barcelona, Barcelona
- 2017 Invited Talk: The interplay between Multisensory Integration Attention, conflict and awareness. Italian Institute of Technology (IIT), Genoa (Italy), Oct 27, 2017
- Invited Talk: Multisensory Integration at the crossroads of Attention, Conflict and Awareness Department of Psychology, Sussex University (UK), Nov 29, 2017
- Invited Talk: Multisensory integration at the crossroads of attention, conflict and awareness Institute of Cognitive Neuroscience (ICN), London (UK), Dec 11, 2017
- Invited talk ‘The interplay between multisensory integration, attention, conflict and awareness’, at the PIRE Workshop/Summer School 2017: Hierarchical Multisensory Integration: Theory and Experiments, Pals, Girona, June, 18-19 2017
- Invited Talk ‘The Interplay between Multisensory Integration, Attention, Conflict and Awareness’ at the Rethinking the Senses Spring School 2017: An Interdisciplinary Spring School 3rd – 8th April 2017, Warwick Mind and Action Research Centre (WMA) - IUC, Dubrovnik, Croatia
- 2016 Invited talk The ups and downs of multisensory integration: Attention, conflict and awareness. The Institute of Philosophy, School of Advanced Studies, London, 9 June 2016
- Inaugural lecture at the Cognitive and Behavioural Neuroscience Master, Universidad de Granada, October 14th, Granada, Spain.
- 2015 Research Colloquium, Dept of Psychology, Ludwig-Maximilian Universität, München (Germany), June 3, 2015

- 2014 Invited talk at the CSIC – Institute of Neurosciences in Alicante (Spain), Jan 17th.
- 2013 Invited talk at the University of Montpellier, May 9th
Invited talk at the School of Advanced Studies, University of London. Multisensory integration under the yoke of attention. February, 14th
- 2012 *Cosmocaixa* Barcelona. Seminar and practical workshop on Multisensory integration addressed to the general public, in the context of the Brain Awareness Week.
Talk at the Biological Psychology and Neuropsychology, Department of Psychology, University of Hamburg, March 29th
- 2011 Talk at the Laboratoire Psychologie de la Perception CNRS-Université Paris 5, January 28th
Talk at the Multisensory Perception Symposium, Muenchen, June 24-26
- 2010 Talk at the Institut für Psychologie I Universität Leipzig, Leipzig (Germany), Dec 14, 2010
Invited talk at the International Conference on Parietal Lobe Function, Artis Zoo, Amsterdam (Netherlands), 20-21 September 2010
Talk at the Dept. of Psychology, University Pierre Mendes, Grenoble (France), May 5th, 2010
- 2009 Invited talk at the Royal Dutch Academy of Science. Amsterdam, Nov 2, 2009.
Invited talk at the Symposium on “Multisensory Integration” European Conference on Visual Processing (EVP), Regensburg (Germany). Aug 28, 2009
Talk at the Brain Awareness Week; The magic of consciousness. March, 18 2009 Madrid (Spain)
- 2008 Talk at the Dept. of Human Movement Sciences, Vrije University, Amsterdam (The Netherlands)
- 2007 Talk at *Cosmocaixa* – Madrid. November 8th
Talk at the Psychonomics Seminar, Dept. of Psychology, University of Queensland, Australia. Aug. 23rd
- 2006 Invited talk at the symposium on Multisensory Interactions at the TNO: Human Factors – Soesterberg (The Netherlands). March 31st, 2006
Invited talk at the Seminar Series of the Institute of Cognitive Neurosciences (ICN). London (UK). Feb-6th, 2006
- 2005 Invited talk at the Symposium on “Multisensory Interactions” European Conference on Visual Processing (EVP), Santiago de Compostela (Spain). Aug-2005
Seminar on “Crossmodal Attention” in the “Brain Mechanisms of Attention: Biological and computational approaches”, Fundación Duques de Soria, Soria, Aug-2005
Symposium organizer on “Speech as a window to multisensory integration”. International Multisensory Research Forum, Roveretto (Italy), June 2005
Symposium on “Tactile perception” at the Conferencia Ibérica de Percepción, Barcelona (Spain) – July-2005
- 2004 Speech perception, attention and multisensory integration. Seminar at the Dept. of Experimental Psychology, University of Oxford (UK). Nov. 11
Multisensory integration in motion perception. Seminar series of the School of Psychology at the University of Liverpool (UK). Liverpool, Nov. 10.
Eye-gaze orienting to auditory and tactile targets. Symposium on “Crossmodal Interactions: Evidence from human behavioral and imaging studies” at the 31st Annual Conference of the British Psychophysiology Society, Manchester, Sept. 13-15.
- 2002 Phantom limbs, visual speech and eye-gaze orienting to sounds: The world of multisensory integration. At the Dept. of Human Communication Sciences Seminar Series, Dec. 13, University College London (UK)

The virtual body effect across space. At the 3rd meeting of the International Multisensory Research Forum, May 24-26, Geneva (Switzerland).

Perceptual integration of dynamic information across sensory modalities. At the 3rd meeting of the International Multisensory Research Forum, May 24-26, Geneva (Switzerland).

Time travel: Sound captures vision across the temporal dimension. Meeting on Multisensory Interactions Subserving Orienting Behaviour, April 14-16 (Naples, FA).

2001 Multisensory integration of moving events. 15th annual conference on Neural Information Processing Systems (NIPS): Workshop on Multi-Sensory Perceptive Systems: Human and Machine Processing of Multimodal Data. December 7, Whistler, Canada.

Invited talk: Crossmodal attentional orienting to eye-gaze. Institute of Cognitive Neurosciences. November 22, London, UK.

Invited talk: Crossmodal integration of dynamic information. Cognition and Brain Sciences Unit, July 17, Cambridge, UK.

The role of cortical connections and body posture in crossmodal integration of dynamic information. Canada Institute of Health Research Workshop on Neural Plasticity, Feb. 18-20, Vancouver, Canada.

2000 Dynamic capture in touch. Tactile Research Group meeting, Nov. 15th, New Orleans, LA.

Dynamic Crossmodal Capture: The Ventriloquist in Motion. 4th Chaos meeting, Sept., Parcieval Hall, Skipton, UK.

1999 Attentional blinks within and across audition touch and vision. Talk at the Department of Psychology, University of Wales at Bangor. October, 1999. Bangor (Wales)

Visuo-tactile attentional blink. Talk at the Tactile Research Group meeting. November 17th, 1999. Los Angeles, CA (USA).

A repetition deficit in the encoding of auditory events. Talk at the 3rd Chaos meeting. September 1999. Parcieval Hall, Skipton, UK.

A repetition deficit in the encoding of auditory events. Talk at the Max Plank institute for Psycholinguistics. Feb. 1999, Nijmegen, The Netherlands.

1997 Repetition effects in auditory modality. Talk at the meeting Language Acquisition and Use in Multilingual Environments. May 1997, Girona (Spain).

OTHER SCIENTIFIC CONTRIBUTIONS

Open datasets and code

- Drew & Soto-Faraco (2024), Phil.T. Roy Soc. B.: <https://osf.io/98d3p/>
- Hamzeloo et al. (submitted). <https://osf.io/sgy5a/>;
- Vigué-Guix & Soto-Faraco (2023) Cortex: <https://osf.io/z98ms/>;
- Marly et al. (2023) Phil.T. Roy Soc. B.: <https://osf.io/6yrwq/>;
- Rodriguez-Prada et al. (2023)., Collabra Psychology: <https://osf.io/t9gqj/>;
- Drew, A. et al. (2022) EJN: <https://osf.io/v5frc/>;
- Torralba, M. et al. (2022) Cortex: <https://osf.io/mpvnm/>;
- Vigué-Guix et al., (2022) EJN: <https://osf.io/nfdsv/>;
- Esparza-laizzo et al. (2022): <https://osf.io/5fhm7/>;
- Ruzzoli et al., (2019) Cortex: <https://osf.io/24ez7/>;

Conference organization

- 2023 Organizing committee of the Reunión de la Sociedad Española de Psicología Experimental (SEPEX) (Málaga, Spain).
- 2016 Organizing committee of the European Conference for Visual Perception (ECVP) (Barcelona, Spain)
- 2010 through to 2015. Organizing committee of the International Multisensory Research Forum, (Sendai [Japan]; Oxford; Pisa;)
- 2003 through to 2009 Organizing committee of the International Multisensory Research Forum (Toronto, Barcelona, Trento, Dublin, Sydney, Hamburg). Web: www.multisense.info
- 2005 Organizing committee of the 1st Conferencia Ibérica de Percepción, Barcelona, July 7-9, 2005.
- 2004 Main organizer of the 5th meeting of the International Multisensory Research Forum (Barcelona, Spain). Web: www.multisense.info/2004 Attendance: ~200. Budget: ~55,000€
- 1993 Instructor / Co-organizer. Workshop: CHILDES: Discourse Analysis with CLAN Programs. Directed by Prof. Brian MacWhinney at University of Barcelona. Attendance: ~20

Special issues edited

- 2017 Research Topic: A matter of bottom-up or top-down processes: the role of attention in multisensory integration, in *Frontiers in Neuroscience*: <http://journal.frontiersin.org/researchtopic/2702/a-matter-of-bottom-up-or-top-down-processes-the-role-of-attention-in-multisensory-integration>
- 2005 Special Issue on Multisensory Processes (S. Soto-Faraco, J. Foxe & M. T. Wallace, Eds) *Experimental Brain Research*, vol 166 num. 3-4

Member of journal editorial boards

- 2020 -... Editorial board member: *Journal of Experimental Psychology: General* (APA, USA).
- 2019- Associate Editor of the *Journal Psicológica* (SEPEX, Spain)
- 2017-19 Associate Editor of the *Journal Multisensory Research* (Brill, UK)
- 2010-13 Associate Editor of the *Journal of Experimental Psychology: Human Perception & Performance* (Am. Psychol. Assoc., USA)
- 2007-09 Consulting Editor of the *Journal of Experimental Psychology: Human Perception & Performance* (Am. Psychol. Assoc., USA)
- 2005-08 Editorial board member of *Cognition* (Elsevier, NL)
- 2003-15 Board member of the *Journal Psicológica* (Univ. Valencia, Spain)

EVALUATION OF SCIENCE

Reviewing for public funding agencies

- AEI / Agencia Española de Investigación – Comisión de Psicología, Spain
- AGAUR – Generalitat de Catalunya, Spain
- ANEP, Spain
- DFG - Deutsche Forschungsgemeinschaft, Germany
- ERCEA – European Research Council ERC – SH4, EU

- FONCYT - Ministerio de Educación, Ciencia y Tecnología, Argentina
- Medical Research Council, UK
- National Institutes of Health, USA
- US-Israel Binational Science Foundation, USA/Israel
- Welcome Trust, UK

Reviewer for scientific journals (alphabetical order)

Acta Psychologia; Behavior Research Methods, Instruments, and Computers; Biological Psychiatry; Brain and Language; Brain Research; Canadian Journal of Experimental Psychology; Clinical Linguistics and Phonetics; Cognitiva; Cognitive Brain Research; Cognitive Psychology; Consciousness and Cognition; Current Biology; European Journal of Neuroscience; Experimental Brain Research; Frontiers in Psychology; Frontiers in Neuroscience; International Journal of Psychophysiology; Journal of Cognitive, Affective and Behavioral Neuroscience; Journal of Cognitive Neuroscience; Journal of Experimental Psychology; Human Perception & Performance; Journal of Vision; Journal of Neuroscience; Memory & Cognition; Nature Human Behaviour; Neuroimaging; Neuropsychologia; Neuroreport; Perception; Perception & Psychophysics; PLOS Biology; PlosONE; Proceedings of the National Academy of Sciences (PNAS); Proceedings of the Royal Society-B; Psychological Research / Psychologische Forschung; Psychological Review; Psychological Science; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Schizophrenia Research; Scientific Res; Spatial Vision

STUDENT SUPERVISION

Undergraduate/Master

I have supervised undergraduate final year's and master's projects in various universities (University of Oxford, University of British Columbia, University of Barcelona and University Pompeu Fabra) since 1999. Many of these projects are finally published in professional scientific journals and/or as conference presentations. Currently, I am supervising one final year's project and three master projects, as well as a hosting an undergraduate student for an internship.

PhD supervisions

- | | |
|------|---|
| 2023 | Indre Pileckyte. Title: The functional role of theta oscillations in visual working memory performance. 12/12/2023 |
| 2022 | Duygu Özbağcı. Title: Decision making during action. 8/9/2022 http://hdl.handle.net/10803/675489
Irene Vigué-Guix. Title: Using EEG-based BCI settings and brain-state dependent stimulation as research tools for hypothesis-testing in cognitive neuroscience: A test-bench for brain-behavioural α -theories in visual perception and spatial attention. 19/7/2022
https://www.tdx.cat/handle/10803/675090#page=1 |
| 2020 | Daria Kvasova. Title: Kvasova, Daria, 1989-. The Role of cross-modal semantic interactions in real-world visuo-spatial attention. (Universitat Pompeu Fabra): 13/2/2020.
http://hdl.handle.net/10803/668665 |
| 2017 | Marta Szabina Pápai. Title: Behavioral and electrophysiological correlates of cross-modal enhancement for unaware visual events (Universitat Pompeu Fabra): 26/10/2017 |
| 2016 | Nara Ikumi Montserrat. Title: The effect of cognitive factors on cross-modal synchrony perception (Universitat Pompeu Fabra): 14/11/2016 |

Stefanie Mühlberg. Title: Selective deployment of attention to time and modality and its impact upon behaviour and brain oscillations (Universitat Pompeu Fabra): 18/07/2016.
<http://www.tdx.cat/bitstream/handle/10803/392142/tsm.pdf?sequence=1>

Luis Morís-Fernández. Title: Audiovisual Speech Processing: The Role of Attention and Conflict (Universitat Pompeu Fabra): 3/6/2016.

- 2015 Emmanuel Biau. Title: Beat gestures and speech processing: When prosody extends to the speaker's hands (Universitat Pompeu Fabra): 13/11/2015. <http://hdl.handle.net/10803/325429>
- 2014 Alexis Pérez Bellido. Title: Watching sounds: an investigation of the auditory influences on visual processing (Universitat de Barcelona). 12/09/2014
- 2013 Carolina Sánchez García. Title: Cross-modal prediction in speech perception (Universitat Pompeu Fabra). 29/11/2013
- 2011 Elena Azañón. Title: Remapping touch from skin to space (Dept. de Psicologia Bàsica, Universitat de Barcelona). 11/01/2011
- 2009 Agnès Alsius Rancé. Title: The role of attention in audiovisual speech integration (Dept. de Psicologia Bàsica, Universitat de Barcelona). 6/2/2009
- 2006 Scott C. Sinnett. Attention and how it relates to perception. (Dept. Psicologia Bàsica, Univ. de Barcelona). June 2006
- 2005 Jordi Navarra Ordoño. Audiovisual integration of speech and second language perception. (Dept. Psicologia Bàsica, Univ. de Barcelona) June 2005
- Daniel Sanabria Lucena. Processing of multisensory dynamic information. (Dept. of Experimental Psychology, Univ. of Oxford; Thesis co-supervised with Prof. C. Spence;) March 2005

OTHER ACTIVITIES

Public engagement and dissemination

- Talk for PhD students in [Growing Up in Science](#) seminars organized by Scholar Minds Berlin, on 27/05/2021
- Dissemination course La piel subjetiva, in collaboration with Gheada at Centro Botín (Santander, ES), 14/07/2022
- Talk Consciència i Percepció for high schools at Centre de Cultura Contemporània de Barcelona (CCCB, Barcelona, ES) 24/10/2022, in the context of the exhibition Brains: Watch video [here](#).
- Co-organizer of the workshops [Puentes Para el Autismo](#) in UPF (Barcelona, ES) 22/9 – 6/10/2022, where we started a participatory research initiative with the end-users of our research.
- 'How Ventriloquism Tricks the Brain', article by Martha Henriques in [JSTOR Daily](#), 11/7/2018 with accompanying audio version in [curio.io](#)
- Radio '[Neurotecnología](#)', in [Inquietamente](#), Radio 5, 10/10/2018;
- TV interview in '[Hackers del cerebro](#)' in [Diario Vice](#), Movistar+, 18/09/2018.
- 'El altruismo no sólo es innato sino que depende entorno social, según estudio', La Vanguardia 28/02/2018;
- 'La difícil traducción del humor', El País 18/01/2017;
- 'What Happens to the Brain When we View Surrealistic Advertising Images?' [Neuromarketing Yearbook 2021](#), NMSA.

Active collaborations

- Prof. Sotaro Kita, University of Warwick, UK
- Prof. Pei Liang, Hubei University, Hubei, China
- Prof. Uta Noppeney, Donders Institute for Brain, Cognition and Behaviour, Radboud University, NL
- Prof. Rubén Moreno-Bote, UPF, Spain
- Prof. Gustavo Deco. Universitat Pompeu Fabra, Spain
- Dr. Sophie Forster, University of Sussex, UK
- Prof. Lluís Fuentemilla, Universitat de Barcelona, Spain
- Dr. Liuba Papeo, Institute des Science Cognitives Marc Jeannerod, Lyon, France
- Prof. Nuria Sebastián-Gallés, Universitat de Barcelona, Spain
- Prof. Charles Spence, University of Oxford, UK
- Prof. Josep Blat, University Pompeu Fabra, Spain
- Prof. Massimiliano Zampini, Rovereto, Italy
- Dr. Timothy Rohe, Friedrich-Alexander University Erlangen-Nuernberg Bestätigte, Germany
- Dr. Clara Pretus, Universitat Autònoma de Barcelona, Spain
- Dr. Manuela Ruzzoli, Basque Center on Cognition Brain and Language, Spain

Membership to scientific societies

Killam Family (Canada); Cognitive Neuroscience Society – CNS (USA)[2000-2003]; Canadian Society for Brain, Behaviour and Cognitive Science – BBCS (CAN)[2000-2003]; Experimental Psychology Society – EPS (UK)[2000-current]; Sociedad Española de Psicología Experimental – SEPEX (ESP)[1998-current]; Reunión para el Estudio Científico de la Atención – RECA (ESP)[2002-current]