

Curriculum Vitae

Personal Information

SANCHEZ LOPEZ, Javier

Education

01/17/2014 PhD in Psychology and Behavioral Neurosciences at Universidad Nacional Autónoma de México, Querétaro, México.

Dissertation: Attention in Skilled versus Novice Martial Arts Athletes. An Event Related Potentials Study

11/19/2009 Master in Sport Psychology at Universidad Autónoma de Yucatán, Yucatán, México.

Thesis: Prophylactic Physical Activity Program. Evaluation and Suggestions

07/20/2006 Bachelor in Psychology at Universidad Veracruzana, Veracruz, México

Work Experience

Postdoctoral Position: Department of Neurosciences, Biomedicine and Movement Sciences, University of Verona. Verona, Italy

Project: European Research Council Project Perceptual Awareness in the Reorganizing Brain (PERCEPTUAL AWARENESS ERC-2013-ADG).

Dates: 2014-Current

Researcher Assistant: Research Center in Neurodevelopment, Department of Behavioral and Cognitive Neurobiology at Neurobiology Institute, Universidad Nacional Autonoma de Mexico, Mexico

Dates: January 2014 –April2014

UG and PG Lecturer and Thesis Supervisor: School of Psychology at Universidad Autonoma de Yucatan, Mexico. Subjects: *Applied Neurosciences in Sport, Design and Evaluation of Physical Activity Interventions, Biological Basis of Behavior, and General Psychology.*

Dates: February 2008 – November 2016

UG Lecturer: School of Psychology Centro de Estudios Superiores CTM Justo Sierra O'Reilly, Mexico. Subjects: *Personality Theories, Educational Psychology, Social Psychology and Social Psychology of Education.*

Dates: February 2008 – July 2009

Sport Psychologist Fellow Department of Sport Medicine and Applied Sciences.

Dates: February 2006 – July 2008

Scientific Research

Research Stay

Scholar Visitor: University of California San Diego, La Jolla, San Diego, California, USA.

Project: Brain Electrophysiology and Cognitive and Perceptual Processes.

Dates: August 2012 –January2013

Sponsor: Steven A: Hillyard, PhD

Scholar Visitor: Department. of Movement, Human and Health Sciences, University of Rome "Foro Italico", Rome, Italy Roma "Foro Italico"; Roma, Lazio, Italia

Project: Study of the Motor-Related Cortical Potentials (MRCP) in Martial Arts Athletes

Periodo: May2013 –August 2013

Sponsor: Francesco Di Russo, PhD

Research Projects

Current Projects

03/2014 – 03/2019: PERCEPTUAL AWARENESS IN THE REORGANIZING BRAIN (PERCEPTUAL AWARENESS ERC-2013-ADG).

Institutes: UNIVERSITY OF VERONA (ITALY), CIMET- UNIVERSITY OF TENDRO (ITALY), ROYAL HOLLOWAY UNIVERSITY (LONDON)

Responsible Researcher: Carlo A. Marzi

01/2017 – 01/2019: EFFECTS OF UNSTRUCTURED PHYSICAL ACTIVITY IN ELDERLY. A MULTIMODAL STUDY (PAPIIT-IN200817).

Institutes: UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO (MEXICO), UNIVERSITY OF VERONA (ITALY).

Responsible Researcher: Thalia Fernandez

Finished Projects

01/2012-01/2015: EFFECT OF NEUROFEEDBACK ON HEALTHY OLDER PARTICIPANTS WITH RISK OF COGNITIVE IMPAIRMENT (IN225414).

Responsible Researcher: Thalia Fernandez, PhD

Institutions: UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO.

11/2013 - 10/2014: EARLY DETECTION AND INTERVENTION OF DELAY IN NEURODEVELOPMENT IN INFANTS FROM 0 TO 12 MONTHS WITH RISK FACTORS FOR PERINATE BRAIN DAMAGE. UNIVERSIDAD AUTONOMA DEL ESTADO DE MORELOS / FACULTAD DE COMUNICACION HUMANA

Institutes: HOSPITAL GENERAL DE CUERNAVACA "DR. JOSE G. PARRES, INSTITUTO DE NEUROBIOLOGÍA, UNAM CAMPUS JURIQUILLA

Responsible Researcher: Alma J. Moreno Aguirre, PhD

01/2012 - 01/2014: CHARACTERIZATION OF ATTENTION IN MARTIAL ARTS ATHLETES (PAPIIT-IN205212).

Responsible Researcher: Thalia Fernandez

Institutions: UNIVERSIDAD NACIONAL AUTONOMA DE MEXICO, INSTITUTO DE MEDICINA DEL DEPORTE DE CUBA, UNIVERSIDAD AUTONOMA DE MORELOS, UNIVERSITY OF CALIFORNIA SAN DIEGO, UNIVERSITÀ DEGLI STUDI DI ROMA "FORO ITALICO".

Scientific Production

Papers

Alatorre-Cruz, G. C., Silva-Pereyra, J., Fernandez, T., Rodriguez-Camacho, M. A., Castro-Chavira, S. A., & **Sanchez-Lopez, J.** (2018). Effects of Age and Working Memory Load on Syntactic Processing: An Event-Related Potential Study. *Front Hum Neurosci*, 12(185).

Sanchez-Lopez, J., Silva-Pereyra, J., Fernandez, T., Alatorre-Cruz, G. C., Castro-Chavira, S. A., Gonzalez-Lopez, M., & Sanchez-Moguel, S. M. (2018). High levels of incidental physical activity are positively associated with cognition and EEG activity in aging. *PLoS One*, 13(1).

Sanchez-Moguel, SM., Alatorre-Cruz, GC., Silva-Pereyra, J., Gonzalez-Salinas, S., **Sanchez-Lopez, J.**, Otero-Ojeda, GA., & Fernandez, T. (2018). Two Different Populations within the Healthy Elderly: Lack of Conflict Detection in Those at Risk of Cognitive Decline. *Front Hum Neurosci*, 11(658).

Sanchez-Lopez, J., Pedersini, CA., Di Russo, F., Cardobi, N., Fonte, C., Varalta, V., . . . Marzi, CA. (2017). Visually evoked responses from the blind field of hemianopic patients. *Neuropsychologia*. doi: <https://doi.org/10.1016/j.neuropsychologia.2017.10.008>

Bollini A, **Sanchez-Lopez J**, Savazzi S & Marzi CA. (2017) Lights from the Dark: Neural Responses from a Blind Visual Hemifield. *Frontiers in Neuroscience*. 11(290). DOI: 10.3389/fnins.2017.00290

Sanchez-Lopez J, Silva-Pereyra J & Fernandez T. (2016) Sustained attention in skilled and novice martial arts athletes: a study of event-related potentials and current sources. *PeerJ* 4:e1614 <https://doi.org/10.7717/peerj.1614>

Sanchez-Lopez, J., Fernandez, T., Silva-Pereyra, J., Martinez-Mesa, JA. & Di Russo, F. (2014). Differences in Visuo-Motor Control in Skilled vs. Novice Martial Arts Athletes during Sustained and Transient Attention Tasks: A Motor-Related Cortical Potential Study. *PLoS One*, 9(3), e91112. doi: 10.1371/journal.pone.0091112

Sánchez-López, J., Fernández, T., Silva-Pereyra, J., Martínez-Mesa, JA. & Moreno-Aguirre, AJ. (2014). Evaluación de la Atención en Deportistas de Artes Marciales. Expertos vs. Novatos [Measuring Attention in Martial Arts Athletes. Experts versus Novices]. *Revista de Psicología del Deporte*, 23(1), 87-94

Sánchez-López, J., Fernández, T., Silva-Pereyra, J. & Mesa, J AM. (2013). Differences between Judo, Taekwondo and Kung-fu Athletes in Sustained Attention and Impulse Control. *Psychology*, 4(7), 607-612. doi: 10.1016/s1053-8119(01)91640-4

Ancona-Martín, DN., Pérez-Herrera, MP. & **Sánchez López, J.**(2011). Motivación al logro en estudiantes de danza en Mérida, Yucatán [Achievement Motivation in Dance Students from Merida, Yucatan]. *Revista Mexicana de Investigación en Cultura Física y Deporte*, 3(1), 112-121.

Sánchez López, J. & Góngora Coronado, E. A. (2011). Evaluación de dos Programas de Actividad Física Profiláctica [Evaluation of two Prophylactic Physical Activity Programs]. *Cuadernos de Psicología del Deporte*, 11(S2), 155-161.

Books

Sánchez-López, J. (2014). Atención en deportistas de artes marciales expertos versus novatos. Estudio de potenciales relacionados con eventos [Attention in Skilled versus Novice Martial Arts Athletes. An Event Related Potentials Study], Retrieved from: http://www.ciencianueva.unam.mx/docs/pdf-public/13_atenciondeportistas.pdf

Book Sections

Sánchez Moguel, S.M.; Reyes Aguilar, A. & **Sanchez Lopez, J.** (2015) Atención: desarrollo, evaluación y déficits [Attention: Development, evaluation and deficits]. In Camacho Candia, J. A.; Almanza

Sepúlveda, M.L. and Romero Orozco, R. A. (coordinators) (2015). *Neurociencia y educación especial. Conceptos, procesos y principios básicos [Neurosciences and especial education. Concepts, processes and basic principles]*. Mexico: Universidad de Guadalajara/Universidad Autonoma de Tlaxcala.

Sánchez-López J. & Góngora-Coronado, E.A. (2010) Evaluación de dos programas de actividad física profiláctica[Evaluation of two Prophylactic Physical Activity Programs]. In Góngora-Coronado, E.A.; Cuevas-Ferrera, R.F; Solis-Briceño, O.B. and Martín-Rosado, W.R. (editors) (2010) *Aportaciones a la Psicología del Deporte y la Actividad Física[Contributionstothe Sport and PhysicalActivity Psychology]*. Mérida, Yuc.: UADY, Facultad de Psicología.

Ancona-Martín, D.N.; Pérez-Herrera, M.P. & **Sánchez-López, J.**(2010) Aplicación de un programa para la optimización de la motivación en danza[Implementationof aProgram to OptimizeMotivationin Dance]. In Góngora-Coronado, E.A.; Cuevas-Ferrera, R.F; Solís-Briceño, O.B. y Martín-Rosado, W.R.(editors) (2010) *Aportaciones a la Psicología del Deporte y la Actividad Física[Contributionstothe Sport and PhysicalActivity Psychology]*. Mérida, Yuc.: UADY, Facultad de Psicología.