

Sofía Fernández Lozano

PSYCHOLOGY B.A. · NEUROBIOLOGY M.S. (EXPECTED JAN. 2020)

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Education

Universidad Nacional Autónoma de México (UNAM) & Instituto de Neurobiología (INB)

MASTER OF SCIENCE IN NEUROBIOLOGY

- Thesis: Brain Connectivity in Cocaine-addicted Patients after Repetitive Transcranial Magnetic Stimulation Treatment.

Ciudad de México, México

Expected Jan 2020

Universidad Autónoma de Baja California (UABC)

BACHELOR OF ARTS WITH HIGHEST HONORS IN PSYCHOLOGY

- Scholar Merit (equivalent to Summa Cum Laude)

Tijuana, BC, México

Dec 2015

Experience

RESEARCH

Laboratorio Nacional de Imagen por Resonancia Magnética (LANIREM)

MASTER STUDENT RESEARCHER

Querétaro, Qro, México

Jul. 2019 - PRESENT

Laboratory of Neuroimaging, National Institute of Alcohol Abuse and Alcoholism (NIAAA)

RESEARCH VISITOR

Bethesda, MD, USA

Mar. - May. 2019

- Learned how to implement the technique of FCDM (Functional Connectivity Density Mapping) developed by Dr. Tomasi.

Instituto Nacional de Psiquiatría "Ramón de la Fuente Muñiz" (INPRFM)

MASTER STUDENT RESEARCHER

Ciudad de México, México

Aug. 2017 - June. 2019

- Collaborated in the *ongoing clinical trial* measuring the clinical, cognitive and neuroimaging effects of rTMS in cocaine addiction.

Yaaj México, A.C.

RESEARCH COORDINATOR

Ciudad de México, México

Mar. 2017 - Jul. 2019

- Coordinated a project in collaboration with United Nations Office on Drugs and Crime (UNODC) to write a guide for professionals of Mental Health against Sexual Orientation and Gender Identity Change Efforts: "*Nada que curar*".
- Collaborated with science divulgation related to sexual health, gender identity and sexual orientation in youth populations.

Colegio de la Frontera Norte (COLEF)

RESEARCH INTERNSHIP

Tijuana, BC, México

Feb. - Sep. 2015

- Collaborated with the questionnaires' application and data capturing in the project Mexican parents' attitudes toward gender equality in family roles and leadership.

CLINICAL

Interpsique

PSYCHOMETRIST

Tijuana, BC, México

Jan. 2016 - Mar. 2017

- Administered, scored, and evaluated psychological testing under the supervision of a licensed psychology doctorate.

Hospital de Salud Mental de Tijuana (HSMT)

PSYCHOLOGY INTERN

Tijuana, BC, México

Dec. 2014 - Mar. 2015

- 240 supervised clinical hours in the Inpatient Psychiatric Care Unit: Occupational and group therapy, and clinical evaluations.

Publications

CHAPTER AND POSTERS

- FERNÁNDEZ-LOZANO, S. (2019). Derechos sexuales y reproductivos; reflexiones para terapeutas (Sexual and reproductive rights; reflections for therapists). In Gómez-Lamont, M.F. & Silva-Aragón, A. (Eds.), *Terapia familiar sistémica y la comunidad (Systemic family therapy and LGBT community)*. Ciudad de México, México: Pax & Leed
- Morelos-Santana, E., Garza-Villarreal, E., Alcalá-Lozano, R., Torres-Marcial, A., Villacaña-Muñoz, V., FERNÁNDEZ-LOZANO, S., DÁVALOS-GUZMÁN, A., MARTÍNEZ-GARCÍA, B., GONZÁLEZ-CANTÚ, H., REYES-ZAMORANO, E., GONZÁLEZ-OLVERA, J. (2019, Feb). *Effects of rTMS at 5 Hz over IDLPFC on inhibitory control and craving in cocaine dependent patients*. Poster session presented at the BRAIN STIMULATION, Vancouver, Canada.
- FERNÁNDEZ-LOZANO, S., ALCALÁ-LOZANO, R., MORELOS-SANTANA, E.D., VILLICAÑA-MUÑOZ, V., GONZÁLEZ-CANTÚ, H., GONZÁLEZ-OLVERA, J.J., GARZA-VILLARREAL, E.A. (2018, Oct). *Análisis de teoría de grafos en redes funcionales después de un tratamiento doble ciego de EMTr en pacientes adictos a cocaína (Graph theory analysis on functional networks after double-blinded rTMS on cocaine-addicts)*. Poster session presented at the ANNUAL MEETING OF RESEARCHERS OF THE INSTITUTO NACIONAL DE PSIQUIATRÍA "RAMÓN DE LA FUENTE MUÑIZ", Ciudad de México, México.
- FERNÁNDEZ-LOZANO, S., ALCALÁ-LOZANO, R., MORELOS-SANTANA, E.D., VILLICAÑA-MUÑOZ, V., GONZÁLEZ-CANTÚ, H., GONZÁLEZ-OLVERA, J.J., GARZA-VILLARREAL, E.A. (2018, Oct). *Effects of rTMs on the small-worldness of crack-cocaine addicts' functional connectivity networks*. Poster session presented at the XX REUNION OF NEUROIMAGE AT THE RESEARCH CENTER IN MATH (CIMAT), Guanajuato, México.

CONFERENCES AND OTHER PROCEEDINGS

Aug 2019 (HACKATON)	MRIQception NEUROHACKADEMY 2019; University of Washington	Seattle, WA, USA
May 2019 (HACKATON)	FANI-Pack (Find All New ICDs Package) WOMEN-LED BioDATA SCIENCE HACKATON AT NIH; National Center for Biotechnology Information	Bethesda, MA, USA
May 2019 (CONFERENCE)	Functional connectivity network changes after rTMS treatment in cocaine addiction NIAAA & NIDA INTRAMURAL SEMINAR; National Institutes of Health	Bethesda, MA, USA
Nov 2018 (CONFERENCE)	[Brain connectome: studying the most complex network system] BRAIN WEEK; National High school #9 "Pedro de Alba"	Ciudad de México, México
Oct 2018 (CONFERENCE)	[Conversion therapy: psychology and human rights' perspective] 2ND ENCOUNTER ABOUT SEXUALITIES AND GENDER; UNAM (National Autonomous University of Mexico)	Ciudad de México, México
Jun 2018 (CONVERSATORIOUM)	[The right to an identity of transgender children and adolescents] Supreme Justice Tribunal of Mexico city	Ciudad de México, México
Jun 2018 (TV INTERVIEW)	[Talking intersex] Ciudad Abierta channel	Ciudad de México, México

Honours & Grants

FELLOWSHIPS & GRANTS

2019 - SCHOLARSHIP Ciudad de México, México	CONACYT - international (≈\$2,000)
2019 - GRANT Ciudad de México, México	UNAM research visit grant (≈\$1,300)
2017 - FELLOWSHIP Ciudad de México, México	CONACYT grad fellowship (≈\$13,200)
2016 - HONOREE Guadalajara, Jal., México	EGEL-CENEVAL Excellence Award
2011 - SCHOLARSHIP Tijuana, BC, México	Scholarship for outstanding ENLACE scores

HONOURS & AWARDS

2016 - UNDERGRAD REP. Tijuana, BC, México	Ceremony for Honor Students
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Courses and workshops

Neurohackademy 2019 UNIVERSITY OF WASHINGTON Neuroimaging and Data Science summer school and hackaton.	Seattle, WA, USA Jul. - Aug. 2019
Bayesian Modeling of Brain Imaging Data MICHELE GUINDANI, PHD; MEXICAN ASSOCIATION OF STATISTICS Two-day intro course about Bayesian methods in fMRI analysis	Ciudad de México, México Sep. 2017
Basic Course of Applied Neuroscience AUTONOMOUS UNIVERSITY OF BAJA CALIFORNIA Two-week course of diverse neuroscience conferences and classes for psychology students and recent graduates	Mexicali, BC, México Aug. 2016
International Course of Neuropsychological Evaluation JUAN-CARLOS ARANGO, PHD; SINAPSIS Bases of application and evaluation of neuropsychological tests in cultures and languages other than those in North America and Western Europe	Mexicali, BC, México Oct. 2015
Semester Abroad UNIVERSIDAD DE SALAMANCA Classes of clinical evaluation, education psychology and school counseling	Salamanca, Spain Feb. - Jul. 2014

Skills & Certifications

Operating Systems

• Mac OS • GNU/LINUX (Debian-based, Arch-based & Void)

Programming Languages

• R • Shell (POSIX shell, bash & zsh) • Python • Javascript

Markup Languages

• \LaTeX • Markdown • JSON • HTML

General Tools

• Git • Docker • Vim • SGE

Neuroimaging Tools

• FSL • AFNI • ANTs • BIDS • MRIQC • FMRIprep • Mango

Certifications

DATA CAMP: • Analyst with R • Programmer with R

Languages

• Spanish (Native) • English (Fluent)