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)   *Ciudad de México, México*
Master of Science in Neurobiology   *Expected Jan 2020*
- Thesis: Brain Connectivity in Cocaine-addicted Patients after Repetitive Transcranial Magnetic Stimulation Treatment.

Universidad Autónoma de Baja California (UABC)   *Tijuana, BC, México*
Bachelor of Arts with Highest Honors in Psychology   *Dec 2015*
- Scholar Merit (equivalent to Summa Cum Laude)

Experience

Research

Laboratorio Nacional de Imagen por Resonancia Magnética (LANIREM)   *Querétaro, Qro, México*
Master student researcher   *Jul. 2019 - PRESENT*

Laboratory of Neuroimaging, National Institute of Alcohol Abuse and Alcoholism (NIAAA)   *Bethesda, MD, USA*
Research visitor   *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)   *Ciudad de México, México*
Master student researcher   *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.   *Ciudad de México, México*
Research Coordinator   *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)   *Tijuana, BC, México*
Research internship   *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   *Tijuana, BC, México*
Psychometrist   *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)   *Tijuana, BC, México*
Psychology Intern   *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 comminity)*. Ciudad de México, México: Pax & Leed
- Morelos-Santana, E., Garza-Villarreal, E., Alcalá-Lozano, R., Torres-Marcial, A., Villicaña-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 lDLPFC 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 (≈$20,000)
2019 – **Grant** *Ciudad de México, México*	UNAM research visit grant (≈$10,000)
2017 – **Fellowship** *Ciudad de México, México*	CONACYT grad fellowship (≈$100,000)
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

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 langagues 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
DataCamp: • Analyst with R • Programmer with R

Languages
• Spanish (Native) • English (Fluent)