

# Sofía Fernández Lozano

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

☎ (+52) 55-7671-2036 | ✉ sofiafdz@gmail.com | 📱 sofiafdz | 🌐 so1.618e | 🐦 sofiafdz

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

## Honours & Grants

FELLOWSHIPS & GRANTS		HONOURS & AWARDS	
2019 - SCHOLARSHIP Ciudad de México, México	CONACYT - international (≈\$20,000)	2016 - UNDERGRAD REP. Tijuana, BC, México	Ceremony for Honor Students
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		

## Courses and workshops

<b>Neurohackademy 2019</b> UNIVERSITY OF WASHINGTON Neuroimaging and Data Science summer school and hackaton.	Seattle, WA, USA Jul. - Aug. 2019
<b>Bayesian Modeling of Brain Imaging Data</b> MICHELE GUINDANI, PHD; MEXICAN ASSOCIATION OF STATISTICS Two-day intro course about Bayesian methods in fMRI analysis	Ciudad de México, México Sep. 2017
<b>Basic Course of Applied Neuroscience</b> 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
<b>International Course of Neuropsychological Evaluation</b> 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
<b>Semester Abroad</b> UNIVERSIDAD DE SALAMANCA Classes of clinical evaluation, education psychology and school counseling	Salamanca, Spain Feb. - Jul. 2014

## Skills & Certifications

Operating Systems	Neuroimaging Tools
• Mac OS • GNU/LINUX (Debian-based, Arch-based & Void)	• FSL • AFNI • ANTs • BIDS • MRIQC • FMRIprep • Mango
Programming Languages	Certifications
• R • Shell (POSIX shell, bash & zsh) • Python • Javascript	DATA CAMP: • Analyst with R • Programmer with R
Markup Languages	Languages
• $\LaTeX$ • Markdown • JSON • HTML	• Spanish (Native) • English (Fluent)
General Tools	
• Git • Docker • Vim • SGE	