

# Sofía Fernández Lozano

PSYCHOLOGY MAJOR · MASTER IN NEUROBIOLOGY

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## Education

### UNAM (National Autonomous University of México)

M.S. IN NEUROBIOLOGY

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

Mexico city, Mexico

Aug. 2017 - PRESENT

### UABC (Autonomous University of Baja California)

B.A. WITH HIGHEST HONORS IN PSYCHOLOGY

- Scholar Merit (equivalent to Summa Cum Laude)

Tijuana, BC, México

Aug. 2010 - Dec. 2015

## Experience

### RESEARCH

#### LANIREM (National Lab of Magnetic Resonance Imaging)

MASTER STUDENT RESEARCHER

- Continuing my research project in a laboratory now localized in the INB (Neurobiology Institute) of UNAM.

Querétaro, Qro, México

Jul. 2019 - PRESENT

#### LNI (laboratory of Neuroimaging), NIAAA, NIH

RESEARCH VISITOR

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

Bethesda, MD, USA

Mar. - May. 2019

#### INPFRM (National Institute of Psychiatry, Ramón de la Fuente Muñiz)

MASTER STUDENT RESEARCHER

- Collaborated in the *ongoing clinical trial* measuring the clinical, cognitive and neuroimaging effects of rTMS in cocaine addiction.
- Helped with the rTMS application, cognitive testing, database cleaning, statistical and neuroimaging analysis.

Ciudad de México, México

Aug. 2017 - June. 2019

#### Yaaj México, A.C.

RESEARCH COORDINATOR

- Coordinated a project in collaboration with UNODC (United Nations Office on Drugs and Crime) to write a guide for professionals of Mental Health against "SOGICE" (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.

Ciudad de México, México

Mar. 2017 - Jul. 2019

#### COLEF (Northern Border College)

RESEARCH INTERNSHIP

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

Tijuana, BC, México

Feb. - Sep. 2015

### CLINICAL

#### Interpsique

PSYCHOMETRIST

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

Tijuana, BC, México

Jan. 2016 - Mar. 2017

#### HSMT (Mental Health Hospital of Tijuana)

PSYCHOLOGY INTERN

- 240 supervised clinical hours in the Inpatient Psychiatric Care Unit.
- Occupational and group therapy, and administering and scoring psychological tests

Tijuana, BC, México

Dec. 2014 - Mar. 2015

### SOCIAL

#### COPRED (Council to prevent and eliminate discrimination in Mexico city)

CONSULTANT

- Worked in the design of the guidelines, interview of candidates and selection of the new President of COPRED.
- Gave expert advice related to new policies and guidelines related to discrimination matters in the city.

Ciudad de México, México

Apr. 2017 - Jul. 2019

#### CAIPT (Integral Attention Center for Transgender People)

PSYCHOLOGY EXPERT

- Designed and implemented empowering workshops for transgender women.
- Helped with the design of a study protocol to research the demography of the trans\* community in the northern border of México.

Tijuana, BC, México

Jan. 2017 - Jul. 2017

## Courses and workshops

### Neurohackademy 2019

UNIVERSITY OF WASHINGTON

Seattle, WA, USA

Jul. - Aug. 2019

### Bayesian Modeling of Brain Imaging Data

MICHELE GUINDANI, PHD; MEXICAN ASSOCIATION OF STATISTICS

Ciudad de México, México

Sep. 2017

### Basic Course of Applied Neuroscience

AUTONOMOUS UNIVERSITY OF BAJA CALIFORNIA

Mexicali, BC, México

Aug. 2016

### International Course of Neuropsychological Evaluation

JUAN-CARLOS ARANGO, PHD; SINAPSIS

Mexicali, BC, México

Oct. 2015

### Semester Abroad

UNIVERSIDAD DE SALAMANCA

Salamanca, Spain

Feb. - Jul. 2014

## Publications & Presentations

Sep 2019

(CHAPTER)

[Sexual and reproductive rights; reflections for therapists]. In Gómez-Lamont, M.F. & Silva-Aragón, A.,

*Terapia familiar sistémica y la comunidad LGBT* (WAITING PUBLICATION).

Aug 2019

(HACKATON)

MRIQception

NEUROHACKADEMY 2019; University of Washington

Seattle, WA, USA

May 2019

(HACKATON)

FANI-Pack (Find All New ICDs Package)

WOMEN-LED BIO DATA 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

(POSTER)

[Graph theory analysis on functional networks after double-blinded rTMS on cocaine-addicts]

RAI (ANNUAL MEETING OF RESEARCHERS); National Institute of Psychiatry "Ramón de la Fuente Muñiz"

Ciudad de México, México

Oct 2018

(POSTER)

Effects of rTMs on the small-worldness of crack-cocaine addicts' functional connectivity networks

XX REUNION OF NEUROIMAGE; CIMAT (Maths research center)

Guanajuato, Gto, 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

## Skills & Certifications

#### Languages

• Spanish (Native) • English (Fluent)

#### Operating Systems

• Mac OS • GNU/LINUX (debian-based, arch-based & Void)

#### Programming Languages

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

#### Markup Languages

•  $\text{\LaTeX}$  • 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

## Honours & Grants

### FELLOWSHIPS & GRANTS

2017-2019 Recipient, CONACYT Grant № 858808

Ciudad de México, México

2016 Honoree, EGEL-CENEVAL (Mexican Graduate Examinations) Excellence Award

Guadalajara, Jal., México

2011 Recipient, Scholarship for outstanding ENLACE test scores

Tijuana, BC, México

### HONOURS & AWARDS

2016 Undergrad representative, Ceremony for Honor Students

Tijuana, BC, México