

Sofía Fernández Lozano

PSYCHOLOGY MAJOR · MASTER IN NEUROBIOLOGY

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Education

UNAM (National Autonomous University of Mexico)

M.S. IN NEUROBIOLOGY

- Thesis: Brain Connectivity in Cocaine-addicted Patients after Repetitive Transcranial Magnetic Stimulation Treatment.
- GPA: 95/100

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)
- GPA: 94/100

Tijuana, BC, Mexico

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

INPFM (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

COLEF (Northern Border College)

RESEARCH ASSISTANT

- 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

SOCIAL

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

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

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

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

Proceedings

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 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

(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

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

• \LaTeX • Markdown • JSON • HTML

General Tools

• Git • Docker • Vim • SGE

Neuroimaging Tools

• FSL • AFNI • ANTs • BIDS • MRIQC • FM RIPREP • Mango

Honors & Awards

2016

Undergrad representative, Ceremony for Honor Students

Tijuana, BC, México

2016

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

Guadalajara, Jal., México

2011

Recipient, Scholarship for outstanding ENLACE test scores

Tijuana, BC, México