




# ESTEBAN HERNANDEZ RIVERA

B.A Research Assistant, Faculty of Medicine and Psychology  
UABC  
English (near native), Spanish (native), French (Beginner),  
Portuguese (Beginner)

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## INTERESTS

Psycholinguistics, Cognitive Neuroscience, Bilingualism, Code-switching, bilingual language production & control, executive functions, education, multiculturalism, open science.

## EDUCATION

### 2015-19 B.A. in Psychology (Hons), Autonomous University of Baja California

Committee: D. Camacho, M. Mejia, N. G. Diaz, M. Sanchez, S. Trejo

*Undergraduate honors thesis: Cognitive differences in attentional subcomponents between Tijuana-San Diego bilinguals and monolinguals: it's relationship with code-switching and linguistic experience.*

## PREVIOUS RESEARCH EXPERIENCE AND PROJECTS

### Research Assistant: DOCLab for Cognitive Science and Learning, UABC

Supervised by: Dr. Diego Oswaldo Camacho Vega

- 2019-current** Relaxation and meditation in VR: its effect on language comprehension through the EL-A test.
- 2019-20** MOOC course design and hypermedia application to help mathematical comprehension and learning in university students
- 2019** The role of epistemic beliefs and emotions in learning on online and hybrid class environments.
- 2018** Emotions in Virtual Reality Learning: Do Presence and Prior Knowledge Really Work?

### Research Assistant: Autonomous University of Baja California, Faculty of Medicine and Psychology

Supervised by: Dr. Deisy Margarita Tovar Hernandez

- 2019** Exploratory Factor analysis of a harassment questionnaire for higher education institutions
- 2018** Perceptions of students and faculty staff on gender violence and sexual harassments in higher education institutions: a qualitative study.

### Research Assistant: Autonomous University of Baja California, Faculty of Medicine and Psychology

Supervised by: Msc. Manuel Alejandro Mejia Ramirez

- 2017** Attentional advantages of bilinguals and code-switching tendency: a pilot study

## TRAINING AND INTERNSHIPS

- 2020** Diploma in Inferential statistics for data analysis with RStudio and Python, given by: SciData. Online
- 2020** Workshop in Introduction to Structural Equation Modeling, given by: Curran-Bauer analytics. Online
- 2019** Internship: University Council for the prevention of sexual harassment, UABC - FMyP, Tijuana B.C

## PUBLICATIONS & BOOK CHAPTERS

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Camacho, D. & **Hernández, E.** (accepted). Assessing cognitive and emotional abilities in higher education students from a multicultural perspective.

**Hernández, E.** & Camacho, D. (in prep). Posner attentional networks and bilingualism: its relationship with code-switching and linguistic experience in a Tijuana-San Diego sample.

**Hernández, E.** & Tovar, D. M. (in prep). Perception of ambivalent sexist behaviors among higher education health sciences students.

## CONFERENCE POSTERS

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Mejia, M., Gutierrez, L., Castañeda, K., Gutierrez, M., **Hernandez, E.** (2017) Cognitive advantages of bilinguals on attention and its relationship with code-switching. Poster presented at Congreso Mexicano de Psicología. <https://repositorio.cetys.mx/handle/60000/127>

**Hernández, E.,** Camacho, D. (accepted). Multicultural experiences and its relationship with language use and acquisition of L2 in non-balanced bilinguals. Poster at XI Congreso internacional cerebro y mente. Tijuana, B.C [conference delayed]

**Hernández, E.,** Camacho, D. (2020). Bilingualism and attentional subcomponents: effect of bilingualism and L2 proficiency. Brain awareness week - Society for neuroscience Mexico chapter, Tijuana, B.C [conference cancelled]

## INVITED TALKS

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- 2019-20** Securing an reaching for international funds for postgraduate education, FMyP Masters in health psychology, Tijuana.
- 2019-20** How to start, develop and manage an undergraduate thesis project, UABC FMyP, Tijuana.

## AWARDS AND HONORS

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### FELLOWSHIPS

- 2019-20** **Research fellowship: vinculation between UABC - PRODEP, Tijuana. \$15,500 MXN.**

National research fellowship to collect data and develop the project: "Sexism and gender violence in higher education health students". directed by: Deisy M. Tovar Hernandez, PhD.

- 2018-20** **Institutional research fellowship: UABC, Tijuana. \$16,500 MXN**

Research fellowship award to develop the project: "MOOC course and hypermedia application design to help develop math and statistical skills in university students". directed by: Diego O. Camacho Vega, PhD.

### AWARDS

- 2020** **Graduation with distinction, UABC FMyP Generation XXXVI**  
senior thesis topic: " Cognitive differences between bilinguals and monolinguals in Posner attentional Networks: its relationship with code-switching and linguistic experience.

## TEACHING & MENTORING

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### TEACHING ASSISTANT

- 2019** Introduction to cognitive psychology, UABC FMyP: Camacho D.
- 2019** Research methods in psychology, UABC FMyP: Camacho D.
- 2018** Educational Technology, UABC FMyP: Camacho D.
- 2019**

### MENTORING

- 2019-20** Mitzi G. Gutierrez, UABC (independent study)
- 2019** Luz E. Garcia, Dora C. Oliva, UABC (independent study)

### OTHER TEACHING EXPERIENCE

- 2018** Educational Guidance for highschool students, Technical highschool #9, Tijuana B.C
- 2018** Development of "Gender violence prevention and cyberbullying programs" for middle schools and highschools.
- 2017** Tutoring classes for middle school students, Familia Private School, Tijuana B.C

## CURRENT RESEARCH INVOLVEMENT

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- MultiPic 2.0 an international effort for standardized set of images with norms for multiple countries: data collection and analysis of the Spanish Mexican sample
- Discourse analysis of affective speech elicitations during systemic therapy interventions: Evidence from Galvanic skin response (GSR) and Heart rate variability.
- Validation and Standardization of the Multicultural Experiences and Interactions Scale (MExA) in a Mexican sample
- Development of an n-back experimental task in OpenSesame using affective images (IAPS) and real-life picture of faces.

## TECHNICAL SKILLS

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**Programming:** R, Python (Beginner)

**Experimental Design:** Open Sesame, PsychoPy, Gorilla

**Analysis software:** R, SPSS, JASP, Jamovi, Atlas.ti

**Eye-tracking & GSR:** GazePoint (Intermediate) & Ledalab (beginner)

**Other software:** Adobe Photoshop, Adobe Illustrator