

CONTACT



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SOCIAL



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GRANTS & AWARDS

Travel Grants

Dean's Travel Award

June 2023; KAUST, KSA

American Chemical Society

National Meeting

ugust 2018; Boston, USA

Atlantic Basin Conference on Chemistry

Chemistry

January 2018; Cancun, Mexico
American Chemical Society

National Meeting

August 2017; Washington DC, USA

Awards

Outstanding Student Chapter

Best American Chemical Society student chapter for three consecutive academic years (2015 -2018)

Maria Jernanda Veloz Castillo

PHD STUDENT



RESEARCH EXPERIENCE

2021 to date The Role of Astrocyte Energy Metabolism in

Memory Stability

King Abdullah University of Science & Technology (Saudi

Arabia) and University of Turin (Italy)

2018 to 2020 The effect of aging on the spatial distribution of

glycogen in Layer I somatosensory cortex of mice King Abdullah University of Science & Technology (Saudi

Arabia)

2018 Chemical synapses of the central nervous system

Universidad de las Américas Puebla and CINVESTAV

(Mexico)

 \bigcirc 2016 to 2018 Use of magnetic nanoparticles as drug carriers to

the brain

General Hospital Dr. Manuel Gea González (Mexico)

2015 to 2018 **Development of nano-carriers for brain delivery**

Universidad de las Américas Puebla (Mexico)

EDUCATION



)2021 to date PhD Bioscience

King Abdullah University of Science and Technology

Advisor: Prof. Pierre Magistretti

Academic Scholarship

2021 to date PhD Neuroscience

University of Turin

Advisor: Prof. Corrado Cali

2018 to 2020 **M.Sc. Bioscience**

King Abdullah University of Science and Technology

Advisor: Prof. Pierre Magistretti

Track: Cellular and molecular biology (GPA 3.5/4)

)2013 to 2018 B.Sc. Nanotechnology and Molecular Engineering

Universidad de las Américas Puebla

Advisor: Prof. Miguel Ángel Méndez Rojas

Academic Excellence Scholarship (GPA 9.4/10)

Undergraduate Student Researcher

2013 to 2018 **B.Sc.Chemistry**

Universidad de las Américas Puebla

Advisor: Prof. Miguel Ángel Méndez Rojas

Academic Excellence Scholarship (GPA 9.3/10)

Undergraduate Student Researcher



SKILLS





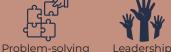




Organization







INTERESTS









TRAININGS & CERTIFICATIONS



2022 **Bioenergetics for Brain Function**

> Cajal Advanced Neuroscience Training at Bordeaux School of Neuroscience

> Theoretical and practical course addressing the different ways in which

2019 Bio-metholodogy of the Laboratory Mice

Charles River Laboratories

Theoretical and practical course covering methods of safe and humane samples, anesthesia, euthanasia, and necropsy.



2020 Nano-neuroscience: Use of nanotechnology in a model of Parkinson's Disease

Universidad Popular Autónoma del Estado de Puebla (Online)

2020 Use of computational tools to evaluate the glycogen distribution in the somatosensory cortex of aged mice

> 3rd Brainstorming Research Assembly for Young Neuroscientists (Online)

2020 The effect of aging on the spatial distribution of glycogen in Layer I somatosensory cortex of mice

> 2nd Brainstorming Research Assembly for Young Neuroscientists (Milan, Italy)

2018 Biocompatible magnetic nanoparticles as intranasal drug delivery carriers for the brain

Atlantic Basin Conference on Chemistry (Cancun, Mexico)

2018 Nanoparticles for Brain Drug Delivery: Design, Synthesis, Characterization and Biological Evaluation

American Chemical Society National Meeting (Boston, USA)

Biocompatible magnetic nanoparticles as intranasal drug delivery carriers for the brain

> National Congress of Chemistry and Chemical Education (Puerto Vallarta, Mexico)



2023 International Brayniacs at Brayn Association

Member of the international team of the association. In charge of selection and evaluation of poster presentations, as well as the coordination of social media.

2022 **FENS Social Media Ambassador**

Creation and publication on social media content related to

FENS and FENS Forum 2022.

2020 Editor of Wikipedia in english and spanish. Editing mainly

about science and women in STEM.

Member of Wikimedia Mexico

Since American Chemical Society, student member

Founder of the 2nd student chapter in Latin America. Roles: Event coordinator(2017 – 2018), President(2016 – 2017), Secretary

(2015 – 2016). Organizer of ACS on Campus in Puebla, Mexico (2018).

Science Outreach Since

Since

2015

2013 Contributor in book and science fairs performing scientific demonstrations, workshops and lectures.