

# GABRIELA CASTRO CASTRO

7777 Greenbriar Dr, Apt. 3004 | Houston, TX 77030 | [gcastrocastro.25@gmail.com](mailto:gcastrocastro.25@gmail.com) | (928) 301-8596

## EDUCATION

---

**Barnard College, Columbia University** | New York, NY | *BA Neuroscience & Behavior* May 2019

Minor: Spanish & Latin-American Cultures **GPA: 3.46**

*Sel. Coursework:* Molecular & Cellular Neuroscience, Behavioral Neuroscience, Drugs and Behavior, Psychology of Drug Use & Abuse, Topics in Neuroethics, Statistics, Senior Research Seminar

*Sel. Awards:* United World College Davis Scholarship (\$40k total), 2015-2019; Dean's List (3 semesters)

**University of Houston** | Biochemistry, General Physics Lecture + Laboratory Jan-May 2021

## STEM RESEARCH EXPERIENCE

---

**Baylor College of Medicine** | Houston, TX Oct. 2019 – Oct. 2021

*Research Coordinator I, Department of Neurology, The Laboratory for Integrative Functional Genomics*

- Head and oversee daily operations of multiple long-term projects:
  - Exploring genetic links between pediatric metabolic disorders and adult neurodegenerative disorders
  - Collection and processing of DNA/RNA samples for genotyping of neurodegenerative disorders
  - Risk and progression in Parkinson's Disease assessing heterogeneity in clinical manifestations
  - Perspectives of Mexican Americans about precision medicine for Alzheimer's disease
- Design and maintain databases for studies utilizing REDCap, Excel and Baylor CTMS
- Advance the approval/renewal of protocols and co-author ongoing amendments
- Initiated the large-scale effort of cataloging and organizing over 4,000 historical DNA samples
- Translate consent forms and study materials from English to Spanish
- Perform PCR and sanger sequencing to confirm genetic mutations
- Facilitate weekly and monthly lab meetings, including on a one-on-one basis with two study PI's
- Ensure the integrity of all lab equipment and order supplies

**Nerve and Muscle Center of Texas** | Houston, TX Sept. 2019 – Oct 2019

*Research Assistant, Apprenticeship under Dr. Aziz Shaibani*

- Coordinated patient participation in multiple clinical drug pharmaceutical trials, ensuring effective data collection and maintenance of records/regulatory documents for study monitors
- Assisted physician with Spanish translation of clinical results and diagnosis to patients in clinic

**New York State Psychiatric Institute** | New York, NY Oct. 2017 – May 2019

*Research Assistant, Department of Substance Use Disorders*

- Conducted subject outreach, diagnostic screenings, and sessions for studies analyzing effects of cannabis on ocular dynamics, mood, and vital signs, as well as decision-making
- Authored and presented thesis project on acute effects of microdosing smoked cannabis
- Provided weekly updates to faculty PI in one-on-one settings; responded to feedback on process
- Awarded Alumnae Donor Grant (\$1k) to support semester of research

*Summer Research Institute Fellow (May – Aug. 2018)*

- Selected to participate in 10-week intensive research program with faculty mentor at NYSPI
- Analyzed interpersonal sensitivity and social rejection response data in female/male cannabis users
- Created and presented poster to audience of faculty, students, guests (200 total attendees)

## LAB TRAINING, CERTIFICATIONS, TECHNICAL SKILLS, LANGUAGES & INTERESTS

---

**Lab Training:** Blood/Saliva processing utilizing QIAGEN/OMEGA kits, PCR, Sanger Sequencing, Phlebotomy

**Certifications:** HIPAA, Bloodborne Pathogens, Hazardous Waste, Urinalysis, Responsible Conduct of Research, Human Subjects Protection, Good Clinical Practice

**Technical:** MS Office/Adobe Suite, REDCap, EPIC, CTMS, BRAIN, G Suite, Zoom

**Languages:** English (native), Spanish (native)

**Interests:** Videography, History, Social Justice, Psychedelic Research, Running/Hiking, Animal Welfare