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OBJECTIVE

Dedicated and self-motivated individual with 4 years of experience working in research settings and in clinical research combined. Aspirations include involvement or managing clinical research studies with special interest in neurodegenerative diseases, neurology, and social sciences.

EDUCATION

Research-Based Master of Science's Degree

Sep 2018-Dec 2020

- Physiology with a concentration in Neuroscience and Molecular Biology, Université de Sherbrooke, Sherbrooke, Quebec, Canada
- Research project "Aging of the Lateral Choroid Plexus in mice" aimed at uncovering novel pathways for addressing Alzheimer's disease.
- Recognized for dedication and contributions to neuroscience research with the "Bourse de Congrès de Neurosciences Sherbrooke" in 2019

Bachelor's Degree

Sep 2015-June 2018

- Neuropsychology, Bishop's University, Sherbrooke, Quebec, Canada
- Clinical Research Project: "Neuroanatomical and neuro-functions associated with meditation in individuals diagnosed with ADHD"

WORK EXPERIENCE

CLINICAL RESEARCH ASSISTANT

Oct 2022 - Current

Clinical Research Organization- Biospective (Remote)

- Worked on sponsored clinical studies, including coordination of study-related activities to ensure delivery of timely, high-quality services
- Led and assisted with preparation and review study-related documentation
- Performed quality control, organized and reconciled large amounts of imaging and clinical data, and resolved queries for neuroimaging studies
- Conducted Image Quality Control (QC) review, data preparation, and data management.
- Participated in Biospective R&D activities. Setup activities for new clinical studies with internal and external stakeholders.
- Ensured overall studies quality and regulatory compliance
- Participated in the conduct of clinical studies from site initiation to study close
- Contributed to the development and improvement of department or company knowledge, including participating in training of internal staff and providing feedback on Biospective technology and processes

TOXICOLOGY RESEARCHER

Feb 2022 - Oct 2022

Clinical Contract Organization – ITR Laboratories (On Site)

- Contributed to the care and housing of all living animals in the facility while following GLP standards
- Executed precise drug administration procedures by adhering to the study plan and GLP regulations
- Coordinated study-related activities for delivery of timely, high-quality services
- Prepared and reviewed study-related documentation
- Actively participated in the conduct of clinical studies from site initiation to closure
- Ensured overall studies quality and regulatory compliance
- Adhered to study requirements, including Sponsor, regulatory, Quality Assurance and Standard Operation Procedures

FOUNDER

Jun 2022 - Sep 2022

Startup – NeurobioNX (On Site)

- Founded NeurobioNX in response to the high cost of myo-electric prosthetic hands in the market
- Self-taught in 3D design and coding to develop a high-accuracy, affordable and functional prosthetic hand
- Created an open-source prosthetic hand that can be downloaded and 3D printed anywhere for free
- Directed all aspects of the startup including product design, market, research and partnerships
- Led efforts to create affordable, open-source myo-electric prosthetics, utilizing 3D printing technology
- Assembled and led a multidisciplinary team, coordinating efforts in engineering, design, and research
- Oversaw day-to-day operations, including, budgeting, project timelines, and participation in startup competitions

BEHAVIOURAL RESEARCH ASSISTANT

Jan 2021-June 2021

Douglas Mental Health Institute - Meaney's Lab (hybrid)

- Played a pivotal role in planning, scheduling, and executing behavioural tests, ensuring seamless implementation and adherence to timelines
- Performed drug administration procedures by adhering to the study plan and GLP regulations
- Assigned responsibilities for test scheduling and planning, overseeing the efficient execution of behavioural tests
- Prepared and reviewed study-related documentation
- Conducted a variety of behavioural tests, demonstrating expertise in test protocols and procedures
- Proficiently performed live blood collection, tissue collection, and other specimen handling tasks with precision and attention to detail
- Actively contributed to genetic laboratory operations, participating in genetic analyses and experiments as required
- Demonstrated skill and proficiency in performing dissections, contributing to anatomical studies and research efforts
- Ensured overall studies quality and regulatory compliance

RESEARCH SCIENTIST

Sep 2018- Dec 2020

University of Sherbrooke - Laurent's Lab (On Site)

- Managed inventory and laboratory supplies, ensuring seamless operations and efficient resource utilization
- Coordinated activities and experiments, meticulously planning and executing research endeavours to achieve project milestones effectively
- Mentored students in various laboratory techniques, including brain dissection in mice, fostering skill development and a collaborative research environment
- Analyzed extensive datasets to interpret results and identify trends, contributing significantly to research objectives
- Prepared and reviewed study-related documentation, maintaining meticulous records to ensure accuracy and compliance with research protocols and regulatory standards
- Actively participated in scientific literature writing, contributing to the dissemination of research findings through publications and presentations
- Pioneered a method for dissecting a specific area of the mouse brain

VOLUNTEER EXPERIENCE

Caretaker

2023-Current

Cause4Paws, Montreal, QC.

- Oversees the well-being and development of rescued kittens and cats
- Responsibilities include coordinating veterinary appointments, overseeing medical treatments, providing nourishment, and nurturing the animals until they find a permanent home

Week Event Coordinator

2019

La Semaine du Cerveau, Sherbrooke, QC.

- Designed and implemented learning activities using scientific literature to promote ADHD awareness
- Organized events and created educational materials
- Delivered presentation on ADHD awareness

Volunteer Day and Night Time Outreach

2013-2014

R.A.M.A. and HOPE Outreach, Kelowna, B.C.

- Provided essential items such as food, clothing, and necessities to migrant workers, homeless and sex workers
- Organized outing to enhance the well being of migrant workers
- Offered emotional support and attended to the immediate needs of migrant workers, homeless and sex workers

Volunteer Instructor

2012

LHA Charitable Trust, Dharamshala, India

- Provided essential items such as food, clothing, and necessities to Tibetan Refugees
- Offered English, Spanish and musical tutoring and coordinated activities for kids and adults

SCIENTIFIC CONTRIBUTIONS

- Poster Presentation "Aging of the Lateral Choroid Plexus in mice" at Biology of Aging symposium | Montreal, QC 2019
- Presentation "Realities of ADHD" at La Semaine du Cerveau | Sherbrooke, QC 2019
- Poster Presentation "Aging of the Lateral Choroid Plexus in mice" at the Riboclub Conference | Magog, QC 2019

PUBLICATIONS

Lopez, J. A., Abboud, C., Ibrahim, M. H., **Ahumada, J. R.**, Avino, M., Plourde, M., Fernandes, K. J., Bentzinger, C. F., & Beaugerie, L. (2023). Impact of in vivo cyclic reprogramming on the choroid plexus. *bioRxiv (Cold Spring Harbor Laboratory)*. <https://doi.org/10.1101/2023.02.28.530533>

SKILLS


Certifications: Responsible Conduct of Research, Good Clinical Practice (valid until 2026), Good Laboratory Practice


Skills: MS Office, Adobe Acrobat, data entry, electronic medical record, Linux, C++, Bash, HTML, CSS, Java Script, draw.io


Languages: English, French, and Spanish

Relevant skills: Adaptability, fast learner, thrives in high-paced environments, public speaking, presentations, multitasking, problem-solver, teamwork, time management and autodidactic

LANGUAGES

 **English** - Native or bilingual proficiency

 **French** - Professional working proficiency

 **Spanish** - Native or bilingual proficiency