# NAME

ADDRESS
Phone; Email

## SUMMARY OF QUALIFICATIONS

- Experienced research scientist with a background in -vivo modeling and adult neural stem cells
- Proficient in techniques in molecular and cellular biology, microscopy, histology and virology
- Excellent verbal and written skills, strong interpersonal and team work skills. fluency in Spanish

## PROFESIONAL EXPERIENCE

**University of SCHOOL. Boston MA** 2006-2012

*Lab focused on molecular neuro-oncology with and emphasis in gliomas and neurofibromas*
Doctoral researcher

- Developed mouse models of gliomas integrating Cre-Lox mediated and Tet-regulated gene expression, to interrogate how the state in glial development and the region in the brain where transformation occurs, influence the process of tumorigenesis.
- Demonstrated that the interaction between specific combinations of genetic alterations and susceptible cell types, rather than the site of origin are important determinates of gliomagenesis.
- Evaluated the role that intrinsic differences in lineally related neural stem cells play in glioma development.
- Adapted sorting and dissecting techniques, which enabled the purification, culture and implantation of murine neural stem cells and their progeny.
- Attained diverse technical expertise in molecular biology, cell biology assays, tissue culture, histology and imaging techniques, flow cytometry, viral production/delivery and particular emphasis on mouse modeling including somatic and germline genetic modification strategies.
- Participated in preparing and writing of operating grant applications (NCI of Canada).
- Trained graduate student, post docs and technicians in mouse dissection and surgical procedures.
- Trained and supervised technicians in the management of the mouse colony.

**SCHOOL University, BOSTON MA** 2002-2005

*Lab focused on the molecular mechanisms underlying the association of obesity and insulin resistance.*
Undergraduate research thesis

- Investigated the effects of leptin in cardiac remodeling in human and murine cardiomyocytes.
- Performed pharmacological inhibition of the Janus-activated kinase and mitogen-activated protein kinase pathways.
- Utilized real time quantitative PCR to study the effects of leptin on matrix metalloproteinase and collagen expression.

## SKILLS AND TECHNIQUES

**Molecular biology:** recombinant DNA techniques, western blotting, RT-qPCR, viral transduction, liposome mediated transfection, electroporation
**Cellular biology:** Isolation and culture of neural stem cells, astrocytes, neurons and cardiomyocytes, apoptotic, cell cycle and differentiation assays, immunofluorescence, flow cytometry, protein extraction purification
**Microscopy:** light microscopy, fluorescent/laser confocal microscopy
**Virology:** Amplification and purification of adenovirus and lentivirus for in-viro and in-vitro work
**Tumor biology:** Stereotactic intracranial injection of cells and virus, micro-dissection of mouse brain at embryonic and adult stages, transcardial perfusion.
**Histology:** Immunocytochemistry, HE staining, cryosection and vibratome sectioning
**Computer skills:** Microsoft word, Excel, PowerPoint, Photoshop, Illustrator, Flowjo, Prism

## EDUCATION

**SCHOOL UNIVERSITY, Boston, MA** 2012
*PhD*. in Cancer Biology
- Study of the mTOR Pathway with respect to cancer formation

**SCHOOL University, Boston, MA** 2005
*BS,* Department of Biology, cum laude

## MEMBERSHIP IN PROFESSIONAL SOCIETIES

- Society of neuro-oncology 2011
- American association for cancer research 2010

## PRESENTATIONS

- Presentation 1 Date
- Presentation 2 Date
- Presentation 3 Date

## PUBLICATIONS

- List publication 1
- List publication 2
- List publication 3
- List publication 4, etc