

Julia Tan

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Education

TULANE UNIVERSITY
New Orleans, LA
Major: Neuroscience
Overall GPA: 3.62

May 2010

Employment

TULANE UNIVERSITY
New Orleans, LA

Summer 2007

Research Assistant to Dr. Fiona Inglis

- Analyzed spine motility with Metamorph Imaging in cortical neurons treated with GFP and GluR1/GluR2 subunits
- Performed fine tissue dissection of rat brains and spinal cords for protein samples
- Profused rats in preparation for Golgi staining of hippocampal and cortical neurons
- Transient transfection of motor neurons and cortical neurons with GFP, Protein Kinase C gamma, and GluR1 in order to investigate possible mechanisms of dendrite outgrowth

Summer 2008 - 2009

Community Service

TOURO INFIRMARY
New Orleans, LA

January 2008-Present

Volunteer

- Assist in the Emergency Department as a patient advocate
- Administer EKG's, check vitals, and remove patient IV's
- Check blood glucose levels with AccuCheck
- Working under physicians in Fast Track while treating wounds and infections

Honors and Awards

Tulane Merit-Based Scholarship
Honor Roll
National Society Collegiate Scholar
Phi Eta Sigma

Fall 2006-Present

Grants

Tulane Undergraduate Neuroscience Summer Grant (\$2500)
PI: Dr. Fiona Inglis
Transfected, Imaged, and Analyzed motor neurons. Spinal cord cultures were done by grad student, Ranjini Prithviraj

June 2008

Newcomb Fellows Research Grant for Women in Science (\$2500)

Spring 2009

PI: Dr. Fiona Inglis

Transfected, Imaged, and Analyzed dendrite growth in cortical neurons.

Explored PKC gamma's role in the mechanism involving GluR1 expression.

Tulane Undergraduate Neuroscience Summer Grant (\$2500)

Summer 2009

PI: Dr. Fiona Inglis

Plan to continue investigating the effects of PKC gamma on cortical neurons by tracking its expression in branching dendrites

Publications

"Expression of AMPA GluR1 and GluR2 receptor subunits regulate dendrite complexity and spine motility in neurons of the developing neocortex",
Developmental Neuroscience, 2008.

Spring 2009

