

Jillian L. Frisch, BS, BA

(763) 221-7070
E-mail: frisch0082@umn.edu

1866 Eustis St.
Lauderdale, MN 55113

EDUCATION

University of Minnesota - Twin Cities, MN

Bachelor of Science in Biochemistry, 05/2008

Bachelor of Arts in Art, 05/2008

Minor: Chemistry

RESEARCH EXPERIENCE

Department of Neuroscience, University of Minnesota - Minneapolis, MN

Undergraduate Research Assistant (PI: Teresa Nick, PhD) 01/2007 - Present

- Identified neural morphological changes that correlate with behavioral development in the zebra finch using immunohistochemistry and stereology
- Studied the role of sleep in development of the avian song system using a chronic electrophysiological recording and stimulation technique
- Presented recently published literature to lab members via Microsoft Power Point presentations on a regular basis

Department of Immunohistochemistry, R&D Systems – Minneapolis, MN

Research Associate I (PI: Alex Kalyuzhny, PhD) 06/2008 - Present

- Tested all newly developed antibodies via immunohistochemistry and participated in the approval process for new products
- Executed monthly literature searches to aid in development of a specialized protocol for testing each new antibody
- Sectioned human tissue with a microtome and animal tissue with a cryostat
- Trained new employees

Department of Neuroscience, University of Minnesota - Minneapolis, MN

Undergraduate Research Assistant (PI: Mark Masino, PhD) 08/2007 – 05/2008

- Developed a method to extract an intact spinal cord from an anesthetized adult zebrafish by trial and error dissections
- Studied NMDA concentration response in extracellular recordings of ventral roots of the adult zebrafish spinal cord at different stages in development

OTHER EXPERIENCE

Lifeworks Services - Minnetonka, MN

Personal Care Assistant (Supervisor: Michelle Johnson) 06/2006 – 08/2007

- Helped 7 year old boy with autism further his development of speech by playing games that targeted necessary motor movements for correct pronunciation and by incorporating target vocabulary words into our playtime
- Aided in his development of necessary behavioral skills through positive reinforcement
- Developed a strong understanding of autism and how it affects individual families

ACADEMIC SERVICE

Brain Awareness Week Program Volunteer, University of Minnesota – Minneapolis, MN 04/2008

SKILLS

Laboratory: Immunohistochemistry, Stereology, Electrophysiology, Dissection, Microscopy

Computer: Proficient at Microsoft Office, some experience with Matlab®

GRANTS

Undergraduate Research Opportunities Program

January 2008 – March 2008

The University of Minnesota, Minneapolis, MN (PI: Teresa Nick, PhD)

Perineuronal nets involvement in memory plasticity in the avian song system

Presented at University of Minnesota's Undergraduate Symposium 2008