

The mission of the FNI Neuroscience Research Center is to examine therapies, including pharmacological and cell based therapies, for the treatment of neurological diseases, disorders and injuries. The pre-clinical research laboratory at FNI in Saginaw is focused on in vitro research to enhance adult stem cell therapies and to develop effective treatment strategies for ischemic stroke. We have a highly collaborative relationship with researchers at Central Michigan University whom work on both in vitro and in vivo projects looking for treatments for neurodegenerative disease.

FNI is very appreciative of all of its volunteers and in the past has accepted all who have inquired about volunteer opportunities. However, due to the changing nature of our research, only a limited number of volunteer opportunities are currently available. If you wish to volunteer in the laboratory, we welcome you to submit an FNI volunteer application. Due to limited availability of volunteer positions, preference will be given to volunteers who can participate for extended periods of time, those with previous technical experience, and those with a particular educational and/or career goal in the area of neuroscience.

As a volunteer in the laboratory, you will be expected to:

- Dress appropriately for work in the laboratory (no sandals or shorts).
- Be punctual, maintain the volunteer hours that you agreed upon, sign in and out each day
- Respect FNI staff and follow proper office etiquette.
- Maintain a laboratory journal and keep it up-to-date.
- Work closely with laboratory staff, observing and participating as needed.
- Perform literature searches and write a proposal related to the project with which they are involved.
- Present research results in the form of a manuscript, poster, or presentation, to be determined by the laboratory staff.

Summer volunteers will receive an e-mail regarding their acceptance as a volunteer no later than May 1st. Please be aware that volunteer opportunities at FNI are just that, voluntary, and you will receive no monetary compensation for your time in the laboratory.

If you would like to tour the FNI laboratory, observe techniques, or if you have questions about volunteering, please feel free to contact Dr. Nicholas Dey at nddey@stmarysofmichigan.org

FNI Laboratory Volunteer Application

Name:
Address:

Phone:
E-mail:

Emergency Contact

Name:
Phone:

Educational Experience

| Institution | Level | Major |
|-------------|-------|-------|
| _____ | _____ | _____ |
| _____ | _____ | _____ |
| _____ | _____ | _____ |

Pertinent research courses/experience:

Background

Please check the appropriate box if you have any experience with the following techniques:

| Observed | Performed | |
|----------|-----------|---|
| _____ | _____ | Cell culture (maintenance, passaging, etc.) |
| _____ | _____ | Immunohistochemistry |
| _____ | _____ | Immunocytochemistry |
| _____ | _____ | Fluorescent assisted cell sorting (FACS) |
| _____ | _____ | Microscopy |
| _____ | _____ | PCR |
| _____ | _____ | qPCR |
| _____ | _____ | ELISA |
| _____ | _____ | Viral transfection |
| _____ | _____ | Cytogenetics (karyotyping, Geimsa staining, etc.) |

Please provide information about your educational and career goals and how this volunteer opportunity will assist you with these goals.

How long would you be able to volunteer in the laboratory (summer, six months, one year).

When would you be able to begin your volunteer work?

What days and for how many hours each day would you be able to volunteer in the laboratory?

Please provide a list of at least three references and their contact information along with a resumé to Dr. Nicholas Dey at nddey@stmarysofmichigan.org