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Education

Bachelor of Art

University of Wisconsin Milwaukee, Graduated May 2007

Major: Psychology **Minors:** Biology, Chemistry

Post baccalaureate

University of Wisconsin Milwaukee, Completed May 2008

Major: Biology

Professional Experience

Associate Research Specialist

November 2008 -Current

Center for Urban Population Health, UW School of Medicine and Public Health

- Recruit, obtain consent and enroll participants in clinical studies
- Organize and manage data sets
- Prepare IRB documents for submission
- Execute laboratory procedures, such as DNA extraction
- Perform pulmonary function testing and allergy skin tests

Research Assistant

June 2007 – Current

Regional Epilepsy Center, St. Luke's Medical Center

- Maintain surgical patient database using medical records, physicians' reports and neuropsychological test results
- Record, analyze and interpret patient data
- Manage a clinical study by recruiting participants, administering questionnaires and collecting data
- Assist in the composition of abstracts and articles

Research Technologist I

June 2008 – September 2008

Neurology Laboratory, Medical College of Wisconsin

- Conducted experiments, using techniques such as Western Blots, ELISAs and Immunohistochemistry
- Organized, pro-rated and graphed large data sets
- Performed necropsy procedures on study animals
- Assisted in the harvest and preparation of tissue samples
- Analyzed tissue samples using microscopy

Student Research Assistant

September 2007 – June 2008

Affective Neuroscience Laboratory, UW – Milwaukee

- Aided in the preparation of fear response studies by creating stimuli for fMRI and computer-based tasks
- Attended an introductory fMRI course
- Obtained consent and lead participants through experimental tasks
- Created survey database for neuropsychological measures
- Conducted literature reviews and participated in discussions of current neuroscience research

Student Research Assistant

January, 2008 – June, 2008

Neurology Laboratory, UW-Milwaukee, Milwaukee, WI

- Worked with doctoral student to learn and perform laboratory procedures, such as Western Blot analysis and gel electrophoresis
- Maintained an accurate and up-to-date record of laboratory procedures

Current Funded Projects

Project Coordinator – Wisconsin Network for Health Research (WiNHR):

Possible Complications of Infections During Pregnancy. November 2008 - Present

The primary goal of the project is to determine whether the presence of mycoplasma during pregnancy is related to preterm delivery of a fetus. The secondary goal is to determine prevalence of mycoplasma, ureaplasmas and corynebacterium bacteria in women from different regions of Wisconsin.

Project Co-Coordinator – WiNHR

Angiotensin converting enzyme I/D polymorphism in Hispanic/Latino patients with type 2 diabetes and its relationship with microalbuminuria. November 2008 – Present.

The goal of this study is to determine the role ethnicity and genetics play in diabetes related kidney disease. By examining the relationship of genetic factors and ethnicity to kidney disease may help in early identification and treatment of patients with diabetes.

Project Co-Coordinator – Childhood Asthma Research and Education Network (CARE):

Treating Children to Prevent Exacerbations of Asthma (TREXA). December 2008 – Present

The goal of this study is to determine if children with mild asthma can be safely weaned off of daily Inhaled Corticosteroid (ICS) controllers in hopes to achieve the same level of control when the ICS is taken only with asthma symptoms. This study is also examining the genetic components of asthma and allergies.

Project Co-Coordinator – CARE

Maintenance vs Intermittent Inhaled Steroids in Wheezing Toddlers (MIST). December 2008 - Present

This study is looking to see if wheezing toddlers, who are at high risk for developing asthma, can safely forgo daily low dose ICS medication by receiving a high dose ICS only during respiratory illness.

Professional Publications

Cunningham, J.M., Morris, G.L., Drea, L.M. & Kroll, J.L. Unexpected right hemisphere language representation identified by the intracarotid amobarbital procedure in right-handed epilepsy surgery candidates. *Epilepsy and Behavior*, 13, 1, 2008, 139-143

Professional Poster Presentations

Kroll, J, Morris, G, Cunningham, J & Drea, L. Change in Health-Related Quality of Life Following Resective Epilepsy Surgery. Presented at the Annual Meeting of the American Epilepsy Society, December 2008

Drea, L, Cunningham, J, Morris, G. & **Kroll, J**. Exploration for Language Representation Patterns in Patients with Right Hemisphere Language Dominance. Presented at the Annual Meeting of the American Epilepsy Society, December 2008.