Kevin Oksanen

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Emergency Room Nurse at St. Louis Children's Hospital

St Louis, Missouri, United StatesHigher Education

Previous positions

Graduate Nurse at St. Louis Children's Hospital

Student Nurse Technician at Barnes-Jewish Hospital

Education

Midwestern State University, Master's degree, Family Practice Nurse/Nursing

Open to New Opportunities

Role:

Nurse

Job type:

Full-time

Background

Summary

I am a BSN graduate from the University of Missouri St. Louis' Evening and Weekend Clinical Nursing Program working in St. Louis Children's Hospital Emergency Department. I am currently perusing my FNP degree with anticipated graduation in August of 2020.

Prior to working as a nurse I worked as a research associain the Cognitive Control and Psychopathology Lab at Washington University in St. Louis. Through this experience I have gained substantial experience in laboratory techniques including; running behavioral, eye tracking and fMRI studies, pre-processing and analyzing data, scheduling, database management, patient/participant interaction and screening, mentoring of undergraduate researchers, data entry, lab organization including project reviews and reporting, and presenting research findings. I also have experience in biological science research including: DNA work, PCR, gel electrophoresis, protein purification, radioactive binding, and NMR.

In my research career I have had the privilege to gain experience working with statistics of various forms and am comfortable using SPSS and excel for these purposes. I am comfortable working in both Mac and PC platforms, and have experience using virtual private networks to work on remote platforms. Additionally I have some knowledge of R for data manipulation and graphing, and have passed the Human Subjects Research Training Module (CITI), Radiation Safety training, and am HIPPA certified.

Specialties: Nursing, Pediatrics, Psychology research, scheduling, data entry, statistics, lab organization and record keeping.

Experience

Adjunct Clinical Faculty

Saint Louis University

August 2019 – Present(5 months)

Staff Registered Nurse

St. Louis Children's Hospital

January 2017 – Present(3 years)

Graduate Nurse

St. Louis Children's Hospital

December 2016 – February 2017(2 months)Emergency Unit

Student Nurse Technician

Barnes-Jewish Hospital

January 2015 – December 2016(1 year 11 months)

In preparation for graduation with a BSN in December '16, I am working part time as a student nurse tech. My role is to provide excellent patient care, act as a patient advocate, and to collaborate with a multidisciplinary team to ensure proper care is administered and patients needs are meet.

Bachelors of Nursing Student

University of Missouri - St. Louis

July 2013 – December 2016(3 years 5 months)

BSN Graduate, December 2016

Research Tech II

Washington University in St. Louis

February 2013 – December 2016(3 years 10 months)CCP Lab

Runs and analyzes fMRI and behavioral data

Manages participants and schedules experiments on experimentrix.

Manages fMRI participant database and fMRI scheduling.

Oversees work of undergraduate research assistants.

Conducts Data entry, and analyses in excel and SPSS.

Prepares results in manuscripts for journal publication.

Research Assistant

Cognitive Control and Psychopathology Lab; Washington University in St. Louis

August 2010 – March 2013(2 years 7 months)

Assist in the running of both behavior and fMRI studies.

Managed participants and scheduled experiments on experimentrix.

Data entry, and analysis in excel ans SPSS.

Student Systems Assistant

Washington University in St. Louis

August 2010 – May 2011(9 months)

Update and troubleshoot computers and software, for Library patrons and staff.

Set up and Install new computers.

Anesthesiology Research Assistant

Washington University School of Medicine

August 2007 – May 2010(2 years 9 months)

Prepare solutions, pour agar plates, and set up experimental apparatus.

Design and synthesize DNA fragment.

Culture cells in solution as well as on Agar Plates.

Protein Purification

Radioactive Binding assays

NMR experimentation and spin analysis

Recording of findings and daily experiments, and presentation of details in Lab metting

Education

Midwestern State University

Master's degree, Family Practice Nurse/Nursing

2018 – 2020

Midwestern State University

BSN to FNP Degree program.

University of Missouri - St. Louis

Bachelor's Degree, Registered Nursing/Registered Nurse

2014 – 2016

University of Missouri - St. Louis

Activities and Societies

Student Nurse Association

Sigma Theta Tau

Washington University in St. Louis

BA, PNP- Psychology, Neuroscience, Philosophy

2007 – 2011

Washington University in St. Louis

Relevant Coursework

Natural Sciences

Chemistry- Organic and Inorganic

Physics- Physics I and II

Biology- Genetics, Cellular Biology, Principles of the Nervous System,

Math- Calculus III, Statistics, Economics

Psychology

Cognitive Psychology, Intro to Psychology, Memory and trauma, Experimental Psychology, Independent Study In Psychology Lab, Cognitive Science, Cognitive Neuroscience, Behavior Modification

Writing-

Writing 1, Argumentation, Public Speaking,

Nursing-

Nursing Communications

Nursing Nutrition

Fundamentals of Nursing

Activities and Societies

Tau Kappa Epsilon, Drum Line, Pep Band

Publications

Neural Mechanisms of Time-Based Prospective Memory: Evidence for Transient Monitoring

PLOS One

March 2014

An novel fMRI study of time-based prospective memory which revealed increased anticipatory transient brain activations in the anterior prefrontal cortex related to checking elapsed time, as well as a double dissociation in which increased anticipatory activation was seen in the pre-Supplementary Motor Area for PM responses.

Authors (4): Kevin Oksanen, Kevin Oksanen, Kevin Oksanen, Kevin Oksanen

Applying simultaneous PET/MR to Explore Relationships Between Task-evoked BOLD and Dopamine Release.

OHBM 2015- Honolulu, HI

June 2015

It has long been hypothesized that the release of dopamine (DA) neurotransmitter during cognitive task performance underlies some of the task-evoked changes in BOLD signal that are observed using fMRI [1]. However, this hypothesis has been difficult to directly confirm in human participants, given that BOLD signals do not directly index neurotransmitter release, and PET radioligand methods do not provide information regarding changes in neural activity. Here, we exploited the capabilities of hybrid PET/MR scanners to acquire simultaneous measurements of both fMRI BOLD signals and dynamic changes in DA receptor binding. Specifically, in a first pilot feasibility investigation, we examined whether the two measures would show evidence of co-localization as a result of task-evoked processing.

Authors (5): Kevin Oksanen, Kevin Oksanen, Kevin Oksanen, Kevin Oksanen, Kevin Oksanen

Projects

Neural Mechanisms of Time-Based Prospective Memory: Evidence for Transient Monitoring

March 2014

This study looked at the underlying neural mechanisms of working memory. Specifically it utilized powerful neuroimaging techniques to answer questions regarding the neural mechanisms underlying Time-Based Prospective memory- the ability to remember to perform an action after, or at, a specific period of time (e.g., take pizza out of oven in 15 minutes). Contrary to prior findings with event-based PM no sustained PM-related activity was observed in anterior prefrontal cortex (aPFC) or elsewhere in the brain; instead, transient clock-related activity was observed . Critically, the activation was anticipatory, increasing before clock-check responses.

Team Members (1): Kevin Oksanen

Negative Reinforcement Effects on Neural Mechanisms of Cognitive Control

This study was a large scale, multi-session experiment that took place over the course of 1 year. During this time Kevin along with Jordan Livingston (Research Tech), under the direction of PI Todd Braver and Post-Doc Marie Krug, ran 50 subjects through 1 behavioral session with advanced cognitive testing, followed by 2 fMRI scan sessions. This study made use liquid feedback-a primary motivator- and a task switching paradigm. The data is currently in analysis.

Team Members (4): Kevin Oksanen, Kevin Oksanen, Kevin Oksanen, Kevin Oksanen

Rapid Instructed Task Learning: Dual Mechanisms of Cognitive Control

Under the Direction of Post-Doc Mike Cole, Kevin recruited and ran participants through 1 behavioral training session, followed by an fMRI scan session. This study involved a rapid task in which participants were required to learn, and then apply a set of logical rules. The data is still in analysis.

Team Members (1): Kevin Oksanen

RedCap and Quarterly Audits

In moving towards more streamlined lab organization Kevin along with Lab manager Carol Cox, have been preparing individual difference measures and other cognitive tests in digital form. This project also entailed the standardization of experiment binders, the creation of an fMRI subject database, as well as an audit system to accurately track studies and ensure that all are being conducted using ethical research practices.

Team Members (1): Kevin Oksanen

Motivation and Cognitive Control: Liquid Feedback

Kevin assisted undergraduate researcher Brian Katz, under the direction of Post-Doc Marie Krug, with setup and participant scheduling. This study utilized a primary liquid reward to expand upon previous research, the goal being to compare the beneficial effects of a positive reward with the hindrance of a negative reward.

Team Members (1): Kevin Oksanen

Skills & Expertise

Statistics

Neuroscience

Cell Biology

Chemistry

Analysis

Gel Electrophoresis

Trauma Nursing

Data Analysis

Nursing

Physics

Laboratory

Nursing Process

Patient Safety

SPSS

Human Subjects Research

Microsoft Excel

Python

Microsoft Office

Quality Patient Care

Cell

Spanish

Research

PCR

Patient Education

IV Therapy

Emergency Nursing

Pediatric Nursing

Cognitive Neuroscience

Direct Patient Care

Experimentation

Psychology

Healthcare

DNA

R

Care Coordination

Genetics

Protein Purification

Patient Advocacy

fMRI

Certifications

BLS

American Heart Association, License

August 2013

Pediatric Advanced Life Support (PALS)

American Heart Association, License

August 2017 – August 2022

ENPC

Emergency Nurses Association, License

TNCC

Emergency Nurses Association, License

Organizations

Student Nurse Association

Treasurer

January 2015 – Present

Volunteer Experience & Causes

Causes Kevin cares about:

Animal Welfare

Education

Health

Disaster and Humanitarian Relief

Science and Technology