

Lauren Webert

(612) 770-2108 | lauren.webert@boystown.org

EDUCATION

Creighton University, Omaha, NE
Bachelor of Science, Psychology, *Cum Laude*
Minor in Biological Physics

May 2022
Cumulative GPA: 3.66

RESEARCH EXPERIENCE

Boys Town National Research Hospital, *Institute for Human Neuroscience*

Research Assistant I

June 2022 – Present

- Analyze magnetoencephalographic (MEG) data through preprocessing, sensor-space analysis, source-space analyses, and statistical analyses
- Utilize BESA, MATLAB, SPSS and R
- Collaborate with graduate and post-doctoral students on analyses and manuscripts.

Creighton University, *Department of Psychology*

Undergraduate Research Assistant

September 2020 – August 2021

- Investigated the behavioral effects of Morphine and Ketamine on laboratory rats
- Applied operant conditioning procedures in behavioral modifications

MANUSCRIPTS

Petro, Nathan; **Webert, Lauren K.**; Springer, Seth D.; Okelberry, Hannah; John, Jason A.; Horne, Lucy K.; Glesinger, Ryan; Rempe, Maggie P.; Wilson, Tony. (2024). Optimal gamma-band entrainment of visual cortex. *Human Brain Mapping*.

***Webert LK**, *Schantell M, Sandal ME, Mansouri A, John JA, Coutant AT, Okelberry HJ, Horne LK, Wilson TW. (Accepted). Regular cannabis use modulates spontaneous gamma activity in brain regions serving motor control. *Journal of Psychopharmacology*.

Mikki Schantell, Yasra Arif, Hannah J. Okelberry, Anna T. Coutant, Jason A. John, Lucy K. Horne, Ryan Glesinger, Danielle L. Rice, **Lauren K. Webert**, Kennedy A. Kress, Grant M. Garrison, Grace C. Ende, Brittany K. Taylor, Tony W. Wilson. (under review). Mapping the Lifespan Trajectory of the Neural Dynamics Underlying the Cognitive Control Construct of the RDoC Framework.

*Giorgia Picci; *Nathan M. Petro; **Lauren K. Webert**; Mikki Schantell; Jake J. Son; Thomas W. Ward; Kellen McDonald; Cooper L. Livermore; Abraham D. Killanin; Danielle L. Rice; Grace C. Ende; Anna T. Coutant; Erica Steiner; Tony W. Wilson. (under review). Interactive effects of social media use and puberty on resting-state cortical activity and mental health symptoms. *Developmental Cognitive Neuroscience*.

Lauren K. Webert, Mikki Schantell, Lucy K. Horne, Jason A. John, Ryan Glesinger, Jennifer O'Neill, Maureen Kubat, Anna T. Coutant, Grace C. Ende, Sara H. Bares, Pamela E. May-Weeks, Tony W. Wilson. (in preparation). Motor -related neural dynamics are modulated by regular cannabis use among people with HIV.

* = co-first authors.

POSTERS

Lauren K. Webert, Mikki Schantell, Katherine K. Landler, Jake J. Son, Lucy K. Horne, Grant M. Garrison, Hannah J. Okelberry, Jason A. John, Anna T. Coutant, Rebecca A. Losh, Kellen McDonald,

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Christine M. Embury, Tony W. Wilson. (April, 2024). Trauma symptomatology among people with HIV scales with altered theta-gamma dynamics underlying executive dysfunction. Cognitive Neuroscience Society. Toronto, Canada.

Webert LK, Schantell M, Mansouri A, Johnson HJ, Willett MP, Okelberry HJ, Sandal ME, Picci G, Wilson TW. (2023, September). Oscillatory theta activity during a selective attention task scales with polygenic risk for Attention Deficit Hyperactivity Disorder (ADHD) in youth. Flux Society. Santa Rosa, CA.

Webert L, Schantell M, Sandal M, Mansouri A, Wilson TW. (2023, April). Regular cannabis use modulates spontaneous gamma activity in brain regions serving motor control. Society of Biological Psychiatry. San Diego, CA.

Webert L, Sandal M, Schantell M, Mansouri A, O'Neil J, May P, Bares S, Wilson TW. (2022, November). Cannabis modulates the motor oscillatory dynamics serving cognitive control in PWH. Symposium on Substance Use Research. Virtual Meeting.

Webert L, Rogers J, Nguyen K, Minervini V. (2021, April). Behavioral effects of Ketamine and Morphine (in rats). Boystown National Research Hospital 2021 Student Research Presentation Day. Omaha, Nebraska.

CLINICAL EXPERIENCE

Boys Town National Research Hospital, Omaha, NE

Behavioral Health Technician

July 2021 – August 2021

- Applied the Psycho-Educational Treatment model to youth
- Empowered youth to socialize appropriately and gain independent living skills

ACCRA Care, Edina, MN

Personal Care Assistant

June 2016 – August 2021

- Assisted two young adults with Autism in daily living activities
- Promoted developmental and social skills
- Documented daily activities and medication administration to provide consistency in care team

LEADERSHIP EXPERIENCE AND AWARDS

Creighton University, Academic Dean's List

2018-2022

Creighton University, Haddix Dean's Fellows Program

2018-2022

- Developed leadership skills through engagement with the local community and mentorship of new members
- Met and interacted with local and national leaders in social justice both in Omaha and in Washington D.C.

Delta Zeta Sorority, Vice President of New Member Education

November 2019 – November 2020

- Organized weekly lessons and engagement opportunities for over 50 new members
- Led a branch of the executive team to plan and execute sorority events such as bid day, new member initiation, and "Big and Little" reveal
- Won national award for Most Improved New Member Education Program

2020

Wayzata High School Synchronized Swimming Team, Captain

- Won All-State Award
- Coordinated team workouts, community fundraising, and mentorship opportunities

2016-2018

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VOLUNTEER EXPERIENCE

Children's Miracle Network Hospitals, *Dance Marathon*

2018-2022

American Cancer Society, *Relay for Life*

2018-2022

PROFESSIONAL DEVELOPMENT

Women in Science

June 2022 - Present

CERTIFICATIONS

CITI Training

- Human Research - BIOMEDICAL
- Health Information Privacy and Security
- Human Research - Social and Behavioral Research
- Working with Mice in Research
- Post-Procedure Care of Mice and Rats in Research

June 2022

June 2022

August 2020

October 2020

October 2020

American Red Cross, Basic Life Saving and First Aid Certification

July 2024