

Megan Corena Hall

(480) 205-9578 | mchall@ku.edu

Motivated PhD student in Clinical Psychology with an interest in sex differences in cognitive aging, particularly Alzheimer's disease, using multimodal imaging and sociodemographic factors

EDUCATION

The University of Kansas

Doctor of Philosophy in Clinical Psychology

Beginning Aug. 2026

Cumulative GPA: NA/4.00

Barrett, the Honors College; Arizona State University

Bachelor of Science in Psychology (Psychological Science) and Anthropology
Certificates in Cross-Sector Leadership and Evolutionary Medicine

Aug. 2018-May 2022

Cumulative GPA: 3.97/4.00, *summa cum laude*

Honors Thesis: The Effects of a Brief Exposure to Nature or Social Media on Psychological Well-Being

Thesis Advisors: Dr. Virginia S.Y. Kwan, Dr. William Corbin, Dr. Douglas Kenrick, and Samantha L. McMichael

PEER-REVIEWED PUBLICATIONS

*Contributed equally

8. **Hall, M.C.**, Picci, G., Rempe, M.P., John, J.A., Webert, L.K., McDonald, K.M., Okelberry, H.J., Johnson, H.J., Horne, L.K., Willett, M.P., Glesinger, R.J., Rice, D.L., Coutant, A.T., Kress, K.A., Garrison, G.M., Bashford, S., May-Weeks, P.E., Spooner, R.K., & Wilson, T.W. (2026). High-resolution MRI evidence for age- and sex-related changes in hippocampal subfield volume during healthy aging. *GeroScience*. <https://doi.org/10.1007/s11357-026-02371-z>
7. **Hall, M.C.**, Rempe, M.P., John, J.A., Garrison, G.A., Glesinger, R.J., Casagrande, C.C., Petro, N.M., Okelberry, H.J., Petts, A.J., Bai, H., Bashford, S., Dietz, S.M., May-Weeks, P.E., Taylor, B.K., Arif, Y., Heinrichs-Graham, E., Picci, G., Spooner, R.K., & Wilson, T.W. (2026). Hippocampal and cortical oscillatory dynamics support semantic processing and performance. *Communications Biology*, 9(444). [PMCI3022169](https://doi.org/10.1038/s42003-026-09718-4). <https://doi.org/10.1038/s42003-026-09718-4>
6. **Hall, M.C.**, Rempe, M.P., Casagrande, C.C., Glesinger, R.J., Petro, N.M., Garrison, G.M., John, A.J., Dietz, S.M., Schantell, M., Bai, H., Arif, Y., Embury, C.M., Bashford, S., Okelberry, H.J., Petts, A.J., Keifer, E.L., May-Weeks, P.E., Picci, G., Heinrichs-Graham, E., & Wilson, T.W. (2025). Age-related alterations in alpha and beta oscillations support preservation of semantic processing in healthy aging. *NPJ Aging*, 11(73). [PMCI2328654](https://doi.org/10.1038/s41514-025-00263-8). <https://doi.org/10.1038/s41514-025-00263-8>
5. Silva, T.F., Hutchins, E., Zhao, W., Ciani, Y., Kim, M., Ko, E., Mariscal, J., Qiu, Z., Bedier, F., Kittel, A., Zhou, B., Wang, Y., **Hall, M.**, Galasso, F., Reiman, R., Freeman, M.R., Parker, S., Van Eyk, J., Yang, W., Posadas, E., Guarnerio, J., Nolan, J., Théry, C., Zijlstra, A., Stott, S., You, S., Demichelis, F., Boutros, P.C., Van Keuren-Jensen, K., & Di Vizio, D. (2025). Extracellular vesicles heterogeneity through the lens of multiomics. *Cell Reports Medicine*, 6(7). [PMCI11370325](https://doi.org/10.1016/j.xcrm.2025.102161). <https://doi.org/10.1016/j.xcrm.2025.102161>
4. Rami, F. Searight, H.R., Dryjanska, L. & **Hall, M.C.** (2025). Modern slavery and the United Nations Sustainable Development Goals. *Canadian Psychology/Psychologie Canadienne*, 66(4). <https://doi.org/10.1037/cap0000429>
3. ***Hall, M.C.**, *Rempe, M.P., Glesinger, R.J., Horne, L.K., Okelberry, H.J., John, J.A., Embury, C.M., Heinrichs-Graham, E., & Wilson, T.W. (2024). Oscillatory activity in bilateral prefrontal cortices is

altered by distractor strength during working memory processing. *NeuroImage*, 301(120878). [PMCID11531322](https://doi.org/10.1016/j.neuroimage.2024.120878). <https://doi.org/10.1016/j.neuroimage.2024.120878>

2. **Hall, M.C.**, McMichael, S.L., & Kwan, V.S.Y. (2023). Effects of a brief exposure to nature or social media on psychological well-being. *Modern Psychological Studies*, 29(1). <https://scholar.utc.edu/mps/vol29/iss1/3/>
1. Godfrey, R.K., Alsop, E., Bjork, R.T., Chauhan, B.S., Ruvalcaba, H.C., Antone, J., Gittings, L.M., Michael, A.F., Williams, C., Hala'ufia, G., Blythe, A.D., **Hall, M.**, Sattler, R., Van Keuren-Jensen, K., & Zarnescu, D.Z. (2023). Modelling TDP-43 proteinopathy in *drosophila* uncovers shared and neuron-specific targets across ALS and FTD relevant circuits. *Acta Neurological Communications*, 11(168). [PMCID10588218](https://doi.org/10.1186/s40478-023-01656-0). <https://doi.org/10.1186/s40478-023-01656-0>

BOOK CHAPTERS

2. **Hall, M.C.**, Venkataramanan, V., Collins, R.Y., & Li, E.A. (2025). Post-traumatic growth and emotional resilience in immigrants and refugees from Africa and the Middle East. In Mayer, C.H. & Vanderheiden, E. (Eds), *The international handbook of emotions*. Springer, Cham. https://doi.org/10.1007/978-3-031-86445-2_12
1. **Hall, M.** (2023). COVID-19 testing, preventive measures, and ethical issues. In H.R. Searight (Ed.), *Covid-19 health disparities and ethical challenges across the globe*. Springer. https://doi.org/10.1007/978-3-031-26200-5_9

MANUSCRIPTS IN-SUBMISSION

5. **Hall, M.C.**, Rempe, M.P., Glesinger, R.J., John, J.A., Garrison, G.A., Casagrande, C.C., Petro, N.M., Picci, G., Spooner, R.K., & Wilson, T.W. (submitted). Structure-function coupling in the hippocampus during semantic processing.
4. *Rempe, M.P., *Voller, M.E., Garrison, G.M., Glesinger, R., Horne, L.K., **Hall, M.C.**, Petts, A.J., Kress, K.A., Carusi, O.R., Volberding, L.V., DeLuca, K.R., John, J.A., Springer, S.D., Embury, C.M., Johnson, C.M., May-Weeks, P.E., Spooner, R.K., & Wilson, T.W. (submitted). Glycemic variability is differentially related to spontaneous cortical activity in patients on the Alzheimer's disease spectrum.
3. Bai, H., Picci, G., **Hall, M.C.**, Ende, G.C., Bashford, S., Glesinger, R.J., John, J.A., Okelberry, H.J., Steiner, E.L., Coutant, A.T., Rice, D. & Wilson, T.W. (under review). Sex-specific developmental effects of amygdala and hippocampal subregions are associated with transdiagnostic trauma-related symptoms in youth.
2. Huang, P.J., Arif, Y., Schantell, M., Glesinger, R., Horne, L.K., Coutant, A.T., Okelberry, H.J., Ende, G., Garrison, G.M., De Luca, K.R., Carusi, O.R., **Hall, M.C.**, Volberding, L.D., Voller, M.E., John, J.A., & Wilson, T.W. (under review). Substance-related visual cues alter sensory gating in chronic methamphetamine users.
1. Rempe, M.R., Garrison, G.M., Springer, S.D., Glesinger, R.J., Petts, A.J., Horne, L.K., **Hall, M.C.**, Kress, K.K., DeLuca, K.R., Carusi, O.R., Volberding, L.D., Voller, M.E., Embury, C.M., Johnson, C.M., May-Weeks, P.E., & Wilson, T.W. (under review). Altered oscillations in cortical attention systems predict cognitive deficits in Alzheimer's disease.

MANUSCRIPTS IN-PREPARATION

*Contributed equally

4. **Hall, M.C.**, Huang, P.J., John, J.A., Garrison, G.M., Glesinger, R., Rempe, M.P., Casagrande, C.C., Bai, H., Petro, N.M., Okelberry, H.J., Petts, A.J., Heinrichs-Graham, E., May-Weeks, P.E., Bashford, S., & Wilson, T.W. (in-prep). Semantic processing during high-density MEG reveals a widespread network of neural alterations and region-specific cognitive associations in Alzheimer's disease.
3. ***Hall, M.C.**, *May-Weeks, P.E., Rempe, M.P., Picci, G., Johnson, H.J., Schantell, M., Okelberry, H.J., Bashford, S., Glesinger, R.J., Horne, L.K., Rice, D.L., John, J.A., Coutant, A.T., Garrison, G.M., Kress,

- K.A., & Wilson, T.W. (in-prep). The interaction of hippocampal subfield volume and age on cognitive performance in healthy adults.
2. *Hall, M.C., *Arif, Y., Rempe, M.P., Petro, N.M., Okelberry, H.J., John, J.A., Garrison, G.M., Kress, K.A., McDonald, K.M., Picci, G., & Wilson, T.W. (in-prep). High-definition transcranial direct current stimulation (HD-tDCS) of the left primary motor cortices upregulates resting alpha power in the primary motor and association cortices in young compared to older adults.
 1. McDonald, K.M., Bai, H., Hall, M.C., John, J.A., Morrow, L.T., Reinke, D.M., Webert, L.K., Glesinger, R.J., Rempe, M.P., Okelberry, H.J., DeLuca, K.R., Johnson, H.J., Horne, L.K., Willett, M.P., Garrison, G.M., Rice, D.L., Coutant, A.T., Kress, K.A., Bashford, S., Spooner, R.K., Picci, G., & Wilson, T.W. (in-prep). HIV-related atrophy of amygdala subnuclei volume and its associations with clinical disease metrics.

HONORS AND SCHOLARSHIPS

- APA Society Convention Research Award - \$300** **Aug. 2022**
 - *Psi Chi, the International Honor Society in Psychology and the APA Committee on Associate and Baccalaureate Education (CABE)*
- Division 52 Student Member APA Convention Registration Award - \$100** **Apr. 2022**
 - *APA Division 52 Student Committee*
- Nominated to Present Research for Oral Presentation Award - \$250** **Aug. 2021**
 - *Translational Genomics Research Institute, a part of City of Hope and the Helios Education Foundation*
- Nominated for Research/Internship Gold Standard Award** **May 2020**
 - *Barrett, the Honors College at Arizona State University*
- Dean's List** **Dec. 2018-May 2022**
 - *Arizona State University*
- New American University Provost's Scholarship – Partial Tuition Remission** **Aug. 2018**
 - *Arizona State University*

CONFERENCE SYMPOSIA, TALKS, AND DISCUSSIONS

4. Hall, M.C. (2025, August). Systems theory in undergraduate psychology. In L. Dryjanska (Chair). *Transformative teaching about social justice issues: examples and reflections*. [Symposium]. Symposium presented at the American Psychological Association, Denver, CO.
3. Wan Isa, W.I., Hall, M., & Easterling, A. (2024, June). *Culturally competent mental health support for Southeast Asia (SEA) and SEA immigrants*. [Co-led conference discussion and abstract]. Conference discussion at the Society for the Improvement of Psychological Science, Virtual.
2. Hall, M.C. (2023, March). COVID-19 highlights international health disparities. In H.R. Searight (Chair). *COVID-19 halts international progress on the United Nations' Sustainable Development Goals*. [Symposium]. Symposium presented at the fifth Benjamin V. Cohen Peace Conference, Virtual.
1. Hall, M.C., Hutchins, E., Alsop, E., Reiman, R., Bilagody, C., Pilade, J., & Van Keuren-Jensen, K. (2021, August). *The hidden transcriptome in cerebrospinal fluid and an exploration of its role in Parkinson's disease*. [Oral presentation and abstract]. Oral presentation presented at the Helios Scholars Intern Symposium, Phoenix, AZ.

POSTER PRESENTATIONS

10. Hall, M.C. (2026, February). Training the next generation: clinical neuropsychology training for post-baccalaureate researchers in a neuroscientific context. In P. May-Weeks (Chair). *The future of neuropsychology: global inclusion and collaboration*. [Poster symposium and abstract]. Poster presented at the International Neuropsychological Society, Philadelphia, PA.
9. Hall, M.C., Picci, G., Rempe, M.P., John, A.J., Webert, L.K., Okelberry, H.J., Horne, L.K., Willett, M.P., Glesinger, R.J., Rice, D.L., Coutant, A.T., Kress, K.A., Garrison, G.M., Bashford, S., Spooner, R.K., & Wilson, T.W. (2026, February). *Evidence for age- and sex-related changes in MoCA scores and*

hippocampal subfield volume during healthy aging. [Conference poster and abstract]. Poster presented at the International Neuropsychological Society, Philadelphia, PA.

8. **Hall, M.C.**, Rempe, M.P., Picci, G., Johnson, H.J., Schantell, M., Okelberry, H.J., Bashford, S., Glesinger, R.J., Horne, L.K., Rice, D.L., John, J.A., Coutant, A.T., Garrison, G.M., Kress, K.A., May-Weeks, P.E. & Wilson, T.W. (2025, August). *The interaction of hippocampal subregion volume and age on cognitive functioning in healthy adults*. [Conference poster and abstract]. Poster session presented at the American Psychological Association, Denver, CO.
7. **Hall, M.C.**, Rempe, M.P., Picci, G., Embury, C.M., Casagrande, C.C., Arif, Y., Schantell, M., Bashford, S., Garrison, G.M., Glesinger, R.J., Okelberry, H.J., Petts, A.J., Keifer, E.L., May-Weeks, P.E., Heinrichs-Graham, E., Spooner, R.K., & Wilson, T.W. (2025, February). *Theta activity associated with verbal fluency above and beyond hippocampal volume*. [Conference poster and abstract]. Poster session presented at the International Neuropsychological Society, New Orleans, LA.
6. **Hall, M.C.**, Rempe, M.P., Embury, C.M., Casagrande, C.C., Arif, Y., Schantell, M., Bashford, S., Garrison, G.M., Glesinger, R.J., Okelberry, H.J., Petts, A.J., Keifer, E.L., Picci, G., May-Weeks, P.E., Heinrichs-Graham, E., & Wilson, T.W. (2025, February). *Verbal fluency changes with age and is mediated by conditional oscillatory differences in the left perisylvian*. [Conference poster and abstract]. Poster session presented at the International Neuropsychological Society, New Orleans, LA.
5. **Hall, M.C.**, Rempe, M.P., Embury, C.M., Casagrande, C.C., Arif, Y., Schantell, M., Bashford, S., Garrison, G.M., Glesinger, R.J., Okelberry, H.J., Petts, A.J., Keifer, E.L., Picci, G., Spooner, R.K., May-Weeks, P.E., Heinrichs-Graham, E., & Wilson, T.W. (2024, November). *Verbal fluency changes with age and theta-gamma phase-amplitude coupling*. [Conference poster and abstract]. Poster session presented at the National Academy of Neuropsychology, Austin, TX. <https://doi.org/10.1093/arclin/aca067.104>
4. **Hall, M.C.**, Hutchins, E., Bilagody, C., Reiman, R., Antone, J., Logemann, A., Cox, L., Palomares, D.M., Bitzah-Ray, F., & Van Keuren-Jensen, K. (2022, November). *An investigation into transposable elements in the transcriptomes of patients diagnosed with neurodegenerative disease and healthy controls in urine and plasma*. [Conference poster and abstract]. Poster session presented at the fifty-first annual convention of the Society for Neuroscience, San Diego, CA, United States.
3. **Hall, M.C.**, McMichael, S.L., Dryjanska, L., & Kwan, V.S.Y. (2022, August). *Effects of a brief exposure to nature or social media*. [Conference poster and abstract]. Poster session presented at the one-hundred and thirtieth annual convention of the American Psychological Association, Minneapolis, MN, United States.
2. **Hall, M.C.**, Hutchins, E., Alsop, E., Reiman, R., Bilagody, C., Pilade, J., & Van Keuren-Jensen, K. (2021, August). *The hidden transcriptome in cerebrospinal fluid and an exploration of its role in Parkinson's disease*. [Conference poster and abstract]. Poster session presented at the Helios Scholars Intern Symposium, Phoenix, AZ.
1. **Hall, M.C.**, McMichael, S.L. & Kwan, V.S.Y. (2021, February). *Familism maintains hope despite loss of relatedness to the future self during the COVID-19 pandemic*. [Conference poster and abstract]. Poster session presented at the twenty-second annual convention of the Society for Personality and Social Psychology, Virtual.

RESEARCH EXPERIENCE

The Dynamic Imaging of Cognition and Neuromodulation Laboratory (DICO_N)
The Institute for Human Neuroscience at Boys Town National Research Hospital
Supervisors: Dr. Tony Wilson, Dr. Maggie Rempe, Dr. Giorgia Picci
Research Assistant I

Boys Town, NE

Oct. 2023-Jul. 2026

Translational Genomics Research Institute (TGen), a part of City of Hope
Supervisors: Dr. Kendall Van-Keuren Jensen, Dr. Eric Alsop, Dr. Elizabeth Hutchins
Associate Bioinformatician

Phoenix, AZ

Jun. 2022-Aug. 2023

Bioinformatics Intern
Helios Scholar

Aug. 2021-Jun. 2022
Jun. 2021-Aug. 2021

Culture and Decision Science Network Laboratory,
Arizona State University

Tempe, AZ

Supervisors: Dr. Virginia Kwan, Dr. Samantha McMichael, Dr. Cameron Bunker
Research Assistant

Sep. 2019-Apr. 2022

CLINICAL EXPERIENCE

The Dynamic Imaging of Cognition and Neuromodulation Laboratory (DICO)
The Institute for Human Neuroscience at Boys Town National Research Hospital

Boys Town, NE

Supervisors: Dr. Tony Wilson, Dr. Maggie Rempe, Dr. Giorgia Picci
Research Assistant I

Oct. 2023-Jul. 2026

The Trevor Project
Volunteer Counselor

Virtual
Aug. 2023 – May 2026

PRESENTED BY OTHERS

11. Carusi, O.R., **Hall, M.C.**, John, J.A., McDonald, K.M., Morrow, L.M., Reinke, D., Bai, H., Webert, L.K., Garrison, G.M., Okelberry, H.J., Johnson, H.J., Horne, L.K., Glesiner, R.J., Rice, D.L., Coutant, A.T., May-Weeks, P., & Wilson, T.W. (2026, May). *Reductions in hippocampal subfield volumes are associated with increased anxiety and cognitive deficits in regular cannabis users*. [Conference poster and abstract]. Poster session presented at the Society of Biological Psychiatry, New York City, NY.
10. Huang, P.J., Arif, Y., Schantell, M., Glesinger, R., Horne, L.K., Coutant, A.T., Okelberry, H.J., Ende, G., Garrison, G.M., De Luca, K.R., Carusi, O.R., **Hall, M.C.**, Volberding, L.D., Voller, M.E., John, J.A., & Wilson, T.W. (2026, May). *Substance-related visual cues alter sensory gating in chronic methamphetamine users*. [Conference poster and abstract]. Poster session presented at the Society of Biological Psychiatry, New York City, NY.
9. Volberding, L.D., **Hall, M.C.**, John, J.A., Bai, H., McDonald, K.M., Morrow, L.T., Reinke, D.M., Webert, L.K., Glesinger, R.J., Rempe, M.P., Okelberry, H.J., Johnson, H.J., Horne, L.K., Willett, M.P., Garrison, G.M., Rice, D.L., Coutant, A.T., Kress, K.A., Bashford, S., Spooner, R.K., May-Weeks, P.E., Picci, G., & Wilson, T.W. (2026, February). *People with HIV exhibit reductions in hippocampal subfields and cognitive function*. [Conference poster and abstract]. Poster session presented at the International Neuropsychological Society, Philadelphia, PA.
8. Rader, L., Wagner, L., Amir, C., Dobler, Z., Hogan, A., **Hall, M.**, Gryshyna, A., Lim, K.Y., & Peris-Yague, A. (2024, April). *Knowing Neurons*. [Conference poster and abstract]. Poster session presented at the National Science Policy Symposium, Riverside, CA.
7. Wagner, L., Amir, C., Hogan, A., **Hall, M.**, Gryshyna, A., & Lim, K.Y. (2023, November). *Knowing Neurons: A creative neuroscience education and outreach organization by young neuroscientists*. [Conference poster and abstract]. Poster session presented at the fifty-second annual convention of the Society for Neuroscience, Washington, DC.
6. Abbasi, A., Hutchins, E., Meechoovet, B., **Hall, M.**, Garcia-Mansfield, K., Soriano, A., Calmelat, R., Ferguson, C., Jensen, K., Pirrotte, P., Porszasz, J., Casaburi, R., Stringer, W., & Rossiter, H. (2023, September). *Greater enrichment of biological pathways in circulating extracellular vesicles of controls than COPD following exercise*. [Conference poster and abstract]. Poster session presented at the European Respiratory Society International Congress, Milan, Italy. <https://doi.org/10.1183/13993003.congress-2023.PA2273>
5. Hutchins, E., Reiman, R., Palade, J., Meechovet, B., Bilagody, C., **Hall, M.**, Frasier, M., Casey, B., & Van Keuren-Jensen, K. (2023, May). *Assessment of long RNAs in CSF and plasma from healthy donors or*

individuals with Parkinson's disease. [Oral presentation and abstract]. Oral presentation presented at the International Society for Extracellular Vesicles, Seattle, WA.

4. Hutchins, E., Reiman, R., Bilagody, C., Antone, J., Meechovet, B., Palomares, D.M., **Hall, M.**, & Van Keuren-Jensen, K. (2023, May). *Characterization of mRNA, lncRNA, and circRNA in plasma and urine from participants with Alzheimer's disease, Parkinson's disease, and healthy controls*. [Oral presentation and abstract]. Oral presentation presented at the International Society for Extracellular Vesicles, Seattle, WA.
3. Dryjanska, L., & **Hall, M.C.** (2021, July). Addressing healthcare in the face of death and dying: Snapshots from ten countries. In L. Dryjanska (Chair). *Ethical dilemmas and health care across the most affected countries during the COVID-19 pandemic*. [Symposium]. Symposium presented at the thirty-second International Congress of Psychology, Virtual.
2. Rami, F., & **Hall, M.C.** (2021, July). A multi-country analysis of the impact of COVID-19. In L. Dryjanska (Chair). *Ethical dilemmas and health care across the most affected countries during the COVID-19 pandemic*. [Symposium]. Symposium presented at the thirty-second International Congress of Psychology, Virtual.
1. Battista, P., & **Hall, M.C.** (2021, July). The mental health impact of the COVID-19 pandemic: A multi-country analysis. In L. Dryjanska (Chair). *Ethical dilemmas and health care across the most affected countries during the COVID-19 pandemic*. [Symposium]. Symposium presented at the thirty-second International Congress of Psychology, Virtual.

ACADEMIC SERVICE AND AFFILIATIONS

NextGen Psych Scholars

Mentor

Mentee

Virtual

Jun. 2026-Present

Jun. 2025-May 2026

International Neuropsychological Society

Student Member

Jan. 2025-Present

American Psychological Association – Division 40 for Clinical Neuropsychology

Student Member

Linking with Liasons Mentee

Aug. 2024-Present

Aug. 2025-May 2026

Psi Chi, the International Honors Society in Psychology

Member

Director of Community Outreach for Psi Chi at Arizona State University

Dec. 2020-Present

May 2021-May 2022

American Psychological Association – Division 52 for Global Psychology

Division 52: Society for Global Psychology Advocacy Committee

Student Member

Division 52: Society for Global Psychology Handbook Committee

Division 52: COVID-19 Taskforce

Mar. 2024-Present

Apr. 2019-Present

Dec. 2023-May 2024

Apr. 2019-Mar. 2023

Psychin' Out

Conference Volunteer

Virtual

Jul. 2023

SCIENCE COMMUNICATIONS

[Google Scholar](#), [ResearchGate](#), [GitHub](#), [LinkedIn](#), [Website](#), [Twitter](#), [Bluesky](#), [Mastodon](#)

Knowing Neurons

Website Team Member

Chief Website Manager

Website Team Member

Virtual

Feb. 2025 – Present

Jun. 2023 – Feb. 2025

Mar. 2023 – Jun. 2023

Letters to a Pre-Scientist
STEM Pen Pal

Virtual
Jul. 2022 – May 2023; Oct. 2024 – May 2025

COMMUNITY SERVICE

The Dynamic Imaging of Cognition and Neuromodulation Laboratory (DICO) **Boys Town, NE**
The Institute for Human Neuroscience at Boys Town National Research Hospital
Supervisors: Dr. Tony Wilson, Dr. Maggie Rempe, Dr. Giorgia Picci
Research Assistant I *Oct. 2023-Jul. 2026*

The Adolescent Health Project **Omaha, NE**
Women’s Fund of Omaha
Youth Advisory Committee Member *Apr. 2024 – Aug. 2025*
Volunteer Coresearcher *Aug. 2024 – Mar. 2024*

Next Generation Service Corps **Tempe, AZ**
Arizona State University
Member of the Disabilities and Empowerment Committee *Aug. 2018-May 2022*
Mentor Coordinator *May 2021-Dec. 2021*

Disability Awareness and Advocacy Committee **Tempe, AZ**
Arizona State University
Co-Chair *Aug. 2018-May 2019*

TECHNICAL SKILLS

Proficient: Canva Graphic Design; IBM SPSS Statistics; Qualtrics Surveys; Slurm Workload Manager; BASH/Shell scripting; MRICroGL; the following R (Programming) packages: tidyverse, dplyr, ggplot2, ggpubr, pheatmap, EnhancedVolcano, corrplot, mediation, ggnewscale, stats, apaTables, segmented, qvalue, nlme, psych, lme4

Intermediate: the following R (Programming) packages: ComplexHeatmap, UpSetR, DESeq2, lavaan; Git/GitHub; HTML; CSS; WordPress; MATLAB; BESA Software Suite; FreeSurfer

CERTIFICATIONS

- Human Subjects Social Sciences (Group 2) and Biomedical Sciences (Group 1) Certification
- Conflict of Interest Certification
- CPR/AED Certification
- MoCA Administration Certification

AUDITED GRADUATE COURSEWORK

- PHR 721: Systems Neuroscience (Creighton University)
- PHR 722: Theories & Advancements in Developmental Cognitive Neuroscience (Creighton University)
- PSYC 9010: Statistical Methods I (University of Nebraska – Omaha)
- PSYC 9020: Statistical Methods II (University of Nebraska – Omaha)
- PHR 720: Fundamentals of Brain Imaging, Recording, and Stimulation (Creighton University)