

Gabriel A. Neal

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EDUCATION

University of Pittsburgh | Pittsburgh, PA

2025–Present

Ph.D. Neurobiology (Center for Neuroscience Pittsburgh [CNUP])

Advisor: Dr. S. Shushruth

University of Arizona | Tucson, AZ

2021–2025

B.S. Neuroscience and Cognitive Science, Neurobiology Emphasis

Minor in Psychology

RESEARCH EXPERIENCE

Graduate Research Assistant | **University of Pittsburgh** | Pittsburgh, PA

Jan 2026–Present

Advisor: Dr. S. Shushruth

Research Assistant | **University of Arizona** | Tucson, AZ

May 2023–June 2025

Advisor: Dr. K. Gothard

POSTERS

1. **Neal, G. A.**, Le, R.P., Cardenas, M.A., Morrison, A.A., Fuglevand, A. J., & Gothard, K. M., “*Interoceptive signals alter the baseline firing rate of touch-responsive neurons in the brain*” [Poster]. UBRP Conference. 2025 January 25 Tucson, Arizona.
2. Cardenas, M.A., Le, R.P., **Neal, G. A.**, Pal, A. A., Magnusson, N. N., Martin, A. B., Fuglevand, A. J., & Gothard, K. M., “*Alteration of interoceptive signals drives changes in baseline firing rate in rhesus macaques*” [Poster]. Society for Neuroscience, Annual Meeting. 2024 October 8 Chicago, IL.
 - Presented by Cardenas, M.A.
3. **Neal, G.A.**, Pal, A.A., Bowrie, A.I., Dieckhaus L., Morrison, A.A., Hutchinson, E.B., & Gothard, K.M., “*Maturation of prosocial behavior and the prefrontal cortex depend on endocrine development*” [Poster]. Society for Neuroscience, Annual Meeting. 2024 October 5 Chicago, IL.
4. **Neal, G.A.**, Pal, A.A., Bowrie, A.I., Dieckhaus L., Morrison, A.A., Hutchinson, E.B., & Gothard, K.M., “*Does adolescent development of prosocial behavior depend on brain maturation?*” [Poster]. Simian Collective Conference, Annual Meeting. 2024 September 5 Pittsburgh, PA.
 - Presented by Bowrie, A.I.
5. **Neal G.A.**, Bowman, A.I., Morrison, A.A., & Gothard, K.M., “*Development of prosocial behavior in adolescent non-human primates*” [Poster]. University of Arizona Physiology Poster Conference. 2024 April 15 Tucson, AZ.

CONTRIBUTIONS

1. Cardenas, M.A., Le, R.P., Champ, T., O’Neill, D., Fuglevand A.J., & Gothard, K.M. *Interoceptive Signals Bias Decision making in Rhesus Macaques*. [Poster]. Simian Collective Conference, Annual Meeting. 2024 September 5 Pittsburgh, PA.
2. Kim, S.W., Bowman, A.I., Morrison, A.A., & Gothard, K.M. *How Brain Maturation of Adolescent Primates Influences Reward Processing* [Poster]. Spring Honors Pinnacle. 2024 April 24 Tucson, AZ.
3. Bowman, A.I., Morrison, A.A., Kim, S.W., Bolles, C., Chang, S.W., & Gothard, K.M. *Longitudinal study of social and non-social reward valuation in adolescent primate development: initial report* [Poster]. Program No. P683.05. Society for Neuroscience, Annual Meeting. 2023 November 11-15 Washington, D.C.

AWARDS & HONORS

Undergraduate Biology Research Program (UBRP), University of Arizona

2024–2025

UBRP Travel Award, University of Arizona

2024

Wildcat Excellence Tuition Scholarship, University of Arizona

2021–2025

Academic Year Academic Distinction, University of Arizona

2023, 2025

Dean's List, University of Arizona	2023, 2025
Dean's List with Distinction, University of Arizona	2024
Academic Year Highest Academic Distinction, University of Arizona	2024
Dean's List Honorable Mention, University of Arizona	2022, 2023

TEACHING EXPERIENCE

Teaching Assistant (Preceptor) University of Arizona <i>Cellular Neurophysiology, Dr. Marina Cholanian</i>	Spring 2024, Fall 2024
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SCIENCE OUTREACH

Mars Elementary School Science Fair Judge (2026)
Undergraduate Biology Research Program Gazette Writer (2024)