

KAITLYN CASIMO, PhD, MEd

KaitlynCasimo.com

EXPERIENCE

Allen Institute

Senior Education and Engagement Manager

June 2026-present

Education and Engagement Manager

January 2023-June 2026

Training and Outreach Specialist

May 2018-January 2023

Created, manage, and lead growth for Allen Institute Education & Engagement Program:

- Lead strategy and oversee operations for program, which engages and supports educators, (undergraduate) students (undergraduate/high school), scientists, and the public
- Manage Education & Engagement Program team (8 members as of February 2026)
- Led launch of new Education Lab, including collaboration with architects, development of new field trip programming, major equipment selection, safety and legal preparations, and staffing
- Oversee educator development programs primarily for undergraduate educators, with sessions ranging from 2 hours to a week
- Oversee program evaluation and education research
- Oversee field trip program hosting ~50 field trips/year
- Oversee development of high school summer intensive in partnership with Seattle Public Schools
- Oversee written, video, and in-person trainings for scientific professionals
- Oversee conference outreach, including developing overall strategy, designing visitors' experience, answering scientific questions, and connecting visitors to resources and contacts
- Oversee and execute informal education programs, including with partners such as PacSci
- Represent Education Program and Allen Institute to prospective partners, institutional partners, media, government, and others, including frequent media/social media appearances
- More program information available at alleninstitute.org/education
- See grants and publications sections below for funding and authorships

University of Washington

Neuroscience PhD student researcher

June 2014-June 2018

- Designed experiments, collected data, and developed novel data analyses for dissertation research on changes in human brain connectivity patterns associated with learning a new skill
- Acted as project manager and managed logistics for collaborative projects with multi-hospital data collection with human subjects
- Published five peer-reviewed first-author articles; see publications section below for detail
- Served as graduate teaching assistant for introductory neuroanatomy (3 quarters); developed lectures on selected topics; assisted with setup and hands-on teaching in neuroanatomy demonstrations with anatomical specimens

University of Washington Math-Science Upward Bound

Instructor

Summer 2016, 2017

- Led development and taught a new six-week advanced high school-level summer course in TRIO-funded program for low-income and future first-generation college students
- Created curriculum on neural engineering (neuroscience, engineering, and ethics); coordinated guest lecturers to present on current research
- Helped secure \$10,000 grant to develop online open version of the course; recorded and edited video lectures; adapted assignments and activities for independent online learners

EDUCATION

Western Governors' University

MEd, Instructional Design

2023

University of Washington

PhD, Neuroscience

2018

Graduate certificate: Science, Technology, and Society Studies

Graduate certificate: Neural Computation and Engineering

Pomona College

BA, Neuroscience

2013

Minors: Theater, Psychology

FUNDING

National Science Foundation: Improving Undergraduate STEM Education

Grant #2236366, Evaluating the impact of open-data-based lessons and course-based research experiences on student knowledge, skills, and attitudes

Awarded March 2023

- Total value: \$600k over initial funding period of 3 years, with 1 year no-cost extension
- Study the impact of different lesson types using open science as a teaching tool on student knowledge and attitudes

National Institutes of Health: Research Resource Grants for Technology Integration and Dissemination

Grant #1U24NS133077, Scientific and Public Outreach of Cell Type Taxonomies (SPOCTT) Initiative, joint PI with Dr. Jeremy Miller

Awarded August 2023, renewed August 2025

- Total value: ~\$900k/year
- Support dissemination of cell type classifications, taxonomies, and related tools with scientists and educators

AWARDS

Association of Women in Science, Seattle Chapter

Outstanding contributions to science outreach and education 2024

University of Washington

Husky 100, for outstanding community involvement and leadership 2018

Pomona College

Virginia Princehouse Allen Theater Prize, for outstanding contributions by a non-theater major 2013

SERVICE AND LEADERSHIP

Society for Neuroscience

Pacific Cascade Chapter President 2025-present

Public Education and Communication Committee member 2024-present

American Society for Cell Biology

Science Communication, Outreach, and Public Education Committee member 2024-present

Subcommittee chair - outreach 2026-present

International Brain Bee

Academic and Curriculum Committee, Global Championships Planning Committee 2021-2025

Pacific Science Center

Science Communication Fellow 2015-2020

- Participated in training workshop, developed hands-on activity demonstrating dissertation research, and facilitated activity with all-ages museum visitors during general open hours and special events; program discontinued due to Covid

Individual projects 2016-present

- Presented public lectures on neuroscience topics to general audiences, including an annual Halloween series (2016-2025) on the neuroscience of zombies, werewolves, and other creatures

Allen Institute-PacSci partnership 2023-present

Initiated and oversee institutional partnership with PacSci

University of Washington Graduate Program in Neuroscience Admissions Committee

Chief student representative 2016-2018

Student representative 2014-2015

- Evaluated applications, contributed to decisions for interviews and offers
- As chief student representative, oversaw all student-led admissions activities

SELECTED PUBLICATIONS

Visit kaitlyncasimo.com/selected-publications for additional publications.

Science education and communication

Casimo, K. How to incorporate open-science practices into neuroscience training. *The Transmitter* (2026). thetransmitter.org/neuro-education/how-to-incorporate-open-science-practices-into-neuroscience-training

Casimo, K. Teaching and Training with Open Science: From Classroom Teaching Tool to Professional Development. *Neuroscience* 2023, 525. [sciencedirect.com/science/article/pii/S0306452223003081](https://www.sciencedirect.com/science/article/pii/S0306452223003081)

Casimo K. Enhancing Student Research Experiences with Open Data from the Allen Brain Map. *J Undergrad Neurosci Educ.* 2022, 20(2). funjournal.org/volume-20-issue-2/

Goller C.C., **Casimo K.**, Johnson G.R. Does Organelle Shape Matter?: Exploring Patterns in Cell Shape and Structure with High-Throughput (HT) Imaging. *CourseSource*, January 2022. qubeshub.org/community/groups/course-source/publications?id=2819

Ryan J, **Casimo K.** A Course-Based Research Experience Using the Allen Brain Map: From Research Question to Poster Session. *J Undergrad Neurosci Educ.* 2021, 19(2). funjournal.org/2021-volume-19-issue-2/.

Neuroscience

Casimo K, Madhyastha TM, Ko AL, Brown AB, Grassia F, Ojemann JG, Weaver KE. Spontaneous Variation in Electrographic Resting-State Connectivity. *Brain Connect.* 2019 Jul;9(6):488-499. doi:10.1089/brain.2018.0596. PMID:31002014. pubmed.ncbi.nlm.nih.gov/31002014/

Casimo K, Levinson LH, Zanos S, Gkogkidis CA, Ball T, Fetz E, Weaver KE, Ojemann JG. An interspecies comparative study of invasive electrophysiological functional connectivity. *Brain Behav.* 2017 Nov 22;7(12):e00863. doi:10.1002/brb3.863. PMID:29299382; PMCID:PMC5745242. pubmed.ncbi.nlm.nih.gov/29299382/

Casimo K, Darvas F, Wander J, Ko A, Grabowski TJ, Novotny E, Poliakov A, Ojemann JG, Weaver KE. Regional Patterns of Cortical Phase Synchrony in the Resting State. *Brain Connect.* 2016 Jul;6(6):470-81. doi: 10.1089/brain.2015.0362. PMID:27019319; PMCID:PMC4976227. pubmed.ncbi.nlm.nih.gov/27019319/

SELECTED PRESENTATIONS

American Society for Cell Biology annual meeting

Minisymposium

December 2025

Society for Neuroscience annual meeting

Professional Development Session

November 2025

Cultivating Ensembles Symposium

Plenary

July 2025

Open Science in Undergraduate Education Symposium

Organizing committee member and presenter

June 2025

University of Alabama, Birmingham

T32 training program seminar

June 2024

University of Washington

Evening with Neuroscience panelist

April 2024

US Congress

Congressional briefing presenter

November 2023

IBRO World Congress

Training workshop co-presenter

September 2023

Faculty for Undergraduate Neuroscience Workshop

Workshop co-presenter, satellite workshop co-presenter

July 2023

Faculty for Undergraduate Neuroscience Workshop

Teaching neuroscience with open data - workshop

July 2020

SELECTED THEATER

Edmonds Driftwood Players, Edmonds, WA

Festival of Shorts: Director, “Erstwhile” 2026

Infinity Box Theatre Project, Seattle, WA

Centrifuge short plays festival 2024-present

Science advisor (2024), stage manager (2024, 2025), director (2026)

Board member 2026-present

Seattle Repertory Theater, Seattle, WA

Advisory Council member 2020-present

Pocket Theater, Seattle, WA

Proof: Director and producer 2017

Twelfth Night: Producer and performer 2018

Bedlam Theatre, Edinburgh, Scotland

Various productions as performer and crew 2011

Pomona College Theater Department, Claremont, CA

Various productions as stage manager, performer, and crew 2009-2013

SCIENCE IN POP CULTURE

Halloween Science and a Movie at Pacific Science Center

Presenter October 2026

NorWesCon (Northwest Science Fiction and Fantasy Convention)

Panelist, multiple panels April 2026

WorldCon (World Science Fiction and Fantasy Society)

Panelist, multiple panels August 2025

Goodman Theatre, Chicago

Preshow panelist and panel organizer, Inherit the Wind October 2024

Washington State Cultural Congress

Telling stories about science: Using narrative storytelling to engage the public with STEM January 2022

Annual Halloween science talk at Pacific Science Center

Topics include zombies, Frankenstein’s creature, and werewolves Octobers, 2016-2026