

Gabriel Reyes

EDUCATION

2021 - Present	Stanford University <i>Ph.D. Student in Education (Developmental and Psychological Sciences)</i> <u>Advisor:</u> Dr. Phil Fisher
2019 - 2021	Columbia University <i>M.S. in Neuroscience & Education</i> <u>Advisor:</u> Dr. Karen Froud
2014 - 2018	Brown University <i>Sc.B. in Cognitive Neuroscience (Honors)</i> <u>Advisor:</u> Dr. Leslie Welch

AWARDS & HONORS

Graduate

2023	Ford Predoctoral Fellowship Honorable Mention	
2021 - 2024	Knight-Hennessy Scholarship	Awarded: \$304,880
2021	Enhancing Diversity in Graduate Education (EDGE) Doctoral Fellowship	Awarded: \$16,800
2020	Teachers College Innovation Scholarship for Best Student Research Award	Awarded: \$1,000
2020	Education Pioneers Fellowship	Awarded: \$7,200
2020, 2021	Teachers College Minority Scholarship	Awarded: \$15,000
2020	Diverse Intelligences Summer Institute Fellowship (<i>Declined due to COVID</i>)	
2019	Teachers College Arthur Zankel Urban Fellowship	Awarded: \$10,000
2019	Columbia University Bridge to the Ph.D. in STEM Predoctoral Scholars Program (<i>Declined</i>)	

Undergraduate

2018	Alfred H. Joslin Award (<i>Awarded to 5-10 undergraduates for "outstanding contributions"</i>)	
2018	Elected to Sigma Xi: The Scientific Research Honor Society	
2017	Institute for the Recruitment of Teachers Fellowship (<i>Declined</i>)	
2016	Congressional Hispanic Caucus Institute (CHCI) STEM Scholarship	Awarded: \$5,000
2015 - 2018	Future Global Leaders Fellowship	
2015	Careers for the Common Good in New York City Grant Award	Awarded: \$4,000
2014	Brown University Conte First-Generation Scholarship	
2014 - 2026	Gates Millennium Scholarship	Awarded: \$320,690
2013 - 2018	QuestBridge Scholar	

RESEARCH FUNDING & GRANTS

Education Venture Grants (Total Awarded: \$347,000)

2023	Racial Equity Grant NewSchools Venture Fund	Awarded: \$200,000
2023	Echoing Green Global Fellowship	Awarded: \$80,000
2023	Talent Grant Award Camelback Ventures	Awarded: \$10,000
2022	Camelback Ventures Fellowship	Awarded: \$40,000
2021	Kheystone Project Grant Knight-Hennessy Scholars	Awarded: \$1,000
2021	Pathways Fellowship 4.0 Schools	Awarded: \$3,000
2021	Accelerator Fellowship Edwin Gould Foundation	Awarded: \$7,500
2021	New Normals Fellowship 4.0 Schools	Awarded: \$5,000
2020	Essentials Fellowship 4.0 Schools	Awarded: \$500

Research Grants (Total Awarded: \$7,900)

- 2021 - 2022** **Dean's Collaborative Learning Fund** | Stanford University Graduate School of Education
The Neuroscience Inclusion Committee on Equitable Research (NICER) Practices
Role: Co-Principal Investigator
Amount Awarded: \$2,900
- 2021, 2022** **Dean's Grant for Student Research (x2)** | Teachers College, Columbia University
Exploring the Neurodevelopmental Effects of Economic Scarcity on Learning and Memory
Role: Principal Investigator (Masters Thesis Advisor: Dr. Karen Froud)
Amount Awarded: \$2,500
- 2017 - 2018** **Research at Brown (RAB) Award** | Brown University
Picture this — or not? An objective exploration of Aphantasia
Role: Principal Investigator (Honors Advisor: Dr. Leslie Welch)
Amount Awarded: \$2,500

SELECTED ACADEMIC PUBLICATIONS

Working Manuscripts

- DeJoseph, M., Ellewood-Lowe, M. E., Miller-Cotto, D., **Reyes, G.**, Shannon, K. A., Rakesh, D., Silverman, D. M., Frankenhuys, W. E. (*In review*). The promise and pitfalls of a strengths-based approach to child poverty and neurocognitive development: Implications for policy. *Developmental Cognitive Neuroscience*.
- Ellewood-Lowe, M. E., **Reyes, G.**, DeJoseph, M., Frankenhuys, W. E. (*In preparation; to be submitted in February 2024*). Special Issue in *Dædalus* aiming to help rethink the philosophical, psychological, biological, political, and economic foundations of care and care-giving and consider how to translate those insights into practical policies

RESEARCH PRESENTATIONS

Conference Posters

*Denotes equal contribution | ^Denotes alphabetical presentation

- Reyes, G.**, Liu, S., Fisher, P. (2023, Oct.). Money matters: How scarcity and abundance impact parent and child outcomes. Presentation to be delivered at the 2023 Society for the Study of Human Development Conference, Philadelphia, PA.
- Reyes, G.** (2021, Apr.). Exploring economic scarcity and cognition in adolescence. Lightning talk presented at the 2021 Institute for Psychological Science and Practice Conference at Teachers College, virtual
- Reyes, G.** & Froud, K. (2020, Oct.). Scarcity and the brain: Does financial deprivation affect learning and memory in adolescents? Poster presented at the 2020 Teachers College Academic Festival, virtual **[Winner of the Innovation Scholarship for Student Research Award]**
- Arogbokun, O. C., Leota, A., Meng, S., Mokou, G., Perez-Luco, N. A., **Reyes, G.**^, & Stekhoven, J. S. (2020, June). The Future-Ready Graduate. Student Ambassador to present at the International Consortium for Educational Development Conference. Zurich, Switzerland. **[Canceled due to COVID-19]**
- Reyes, G.***, Martinez, M.*, Wells, E.*, Wang, T.*, Sorets, T.*, Bergehella, A.*, Gonzalez, W.*, Dent, G., Linden, M. (2018, May). The Neuroscience of Racism: Examining the neural correlates of racial bias and discrimination. Oral presentation delivered at Brown University, Providence, RI.
- Reyes, G.***, Njoroge, C.*, Ashford, L.*, Sandstede, B. (2018, April). Intersectionality in the Brown Scientific Community: Exploring minority scientist's antecedents to academic success. Poster presented at the Humans in STEM Conference at Yale University, New Haven, CT.

7. **Reyes, G.***, Njoroge, C.* , Ashford, L.* , Sandstede, B. (2017, May). Intersectionality in the Brown Scientific Community: Exploring minority scientist's antecedents to academic success. Poster presented at the Race and Gender in the Scientific Community Symposium, Providence, RI.

Workshops & Presentations in Science & Education

8. Arnett, H., Gonzalez, S., Mertz, A., **Reyes, G[^]**, Sheats, J. (2022, November). Dismantling Barriers to STEM: Innovative & Culturally-Responsive Program Models for Student Preparedness & Success. Panel presented at the International Forum on Research Excellence Sigma Xi Conference, Alexandria, VA.
9. **Reyes, G.** (2022, April). Tech Tea Talk — From Upward Bound (UB) to Ph.D. Presentation delivered for Council for Opportunity in Education STEM Education Series. Virtual.
10. **Reyes, G.** (2021, March). Neuroscience research workshop on learning and memory. Workshop delivered for the New Mexico Tech Upward Bound Math-Science Program. Virtual
11. **Reyes, G.** (2020, February). Introduction to PsychoPy!. Workshop delivered for Dr. Tyler Watt's Human Development Capstone Course at Teachers College, Columbia University, New York, NY
12. **Reyes, G.** (2018, April). Do I belong here? A GMS workshop on intentional and inclusive community building. Presentation delivered at the 2018 Gates Millennium Scholars Program Leadership Academy, Seattle, WA.

Invited Talks

- | | |
|------|--|
| 2023 | Institute on Human Development University of California, Berkeley
<i>Flash Talk, Money matters: How scarcity and abundance impact parent and child outcomes</i> |
| 2021 | The Synapse Teachers College, Columbia University
<i>Guest Speaker, Alumni Connections with Neuroscience & Education students</i> |
| 2021 | Los Angeles TRIO Upward Bound Math Science (UBMS) Program
<i>Guest Speaker, Upward Bound Career Talk</i> |
| 2021 | Society Advancing Chicanos/Hispanics and Native Americans in Science (SACNAS) NIH Chapter
<i>Keynote Speaker, Open Discussion on LGBTQ+ Representation in Science</i> |

SELECTED NON-ACADEMIC PUBLICATIONS

1. **Reyes, G.** (2019, Oct.). [From poverty to the lab: Navigating science amidst financial adversity](#). Stories in Science.
2. **Reyes, G.** (2017, Nov.). [Leave safe spaces alone](#). Brown Daily Herald.

LEADERSHIP & PROFESSIONAL EXPERIENCE IN SCIENCE

- | | |
|-----------------------|---|
| 2020 - Present | Founder and Executive Director FLi Sci
<i>Created a nonprofit and have raised \$340,000+ in grant revenue to support first-generation/low-income (FLi) students pursue careers in academic science and medicine. More details at www.FLiSci.org</i> |
| Summer 2020 | Education Pioneers Data Science Fellow Achievement Network
<i>Developed a statistical pipeline using Item Response Theory (IRT) to provide curriculum feedback for the Math and ELA team on the quality and difficulty of their quarterly educational standardized assessments</i> |
| 2019 - 2020 | Career Success & Decision Science Graduate Intern The Opportunity Network
<i>Created the Summer Science Research Program (SSRP) a virtual research internship for 20 high school students to build research skills during the COVID-19 shutdown (projects available at: www.OppNetSSRP.com)</i> |

2015 - 2018

Racial Equitect Program Coordinator | Brown University Science Center

Supervised an organization with 140+ students to support the retention of underrepresented minorities in STEM through academic, personal, and professional programming.

TEACHING & MENTORING

Teaching

Summer 2023, Summer 2021	Introduction to Cognitive Neuroscience New Mexico Institute of Technology <i>Guest Summer Lecturer New Mexico Upward Bound Math Science Program</i> Designed and delivered an accelerated course on cognitive neuroscience to high school students in a rural setting highlighting the functions of the four lobes. Utilized interactive teaching methods to create an immersive learning environment, fostering students' interest and understanding in the field of neuroscience
Summer 2021	Introduction to Data Science Northeastern University <i>Summer Facilitator Summer Math And Science Honors (SMASH) Academy</i> Taught an 8-week introductory data science course to 20 high school students, exposing low-income students to Python programming and the Pandas library. Achieved highest CS and college mentoring performance rating, with an average satisfaction in CS (3.25/4) and college (3.99/4), respectively
Summer 2020	"Data, Activated!" Introduction to Data Science The Opportunity Network <i>Teaching Assistant Course Instructor: Katherine Hanson</i> 5-week educational program introducing low-income high school students of color to data analytical skills and concepts. Directly mentored 8 students on their data science projects
Spring 2018	GISP 0001: Neuroscience of Racism Brown University <i>Course Co-Creator & Lead Instructor Faculty Sponsor: Dr. Monica Linden</i> Created and co-taught an undergraduate seminar exploring the neural correlates of racial bias and discrimination.
Spring 2018	NEUR 2970 Advanced Systems Neuroscience II Brown University <i>Undergraduate Teaching Assistant Instructors: Drs. Monica Linden and David Sheinberg</i> Graduate-level statistics course for students in Brown's Neuroscience PhD Program
Fall 2017	CLPS 0900 Quantitative Methods in Psychology Brown University <i>Undergraduate Teaching Assistant Course Instructor: Dr. Kathryn Spoehr</i> Undergraduate-level statistics course for students interested in social and psychological sciences utilizing a flipped-classroom approach.
Spring 2017	CLPS 0040: Introduction to Cognitive Neuroscience Brown University <i>Undergraduate Teaching Assistant Course Instructor: Dr. Dima Amso</i>

Research Assistants / Interns

Term	Year	Name	University/Institution	Current Position
Summer	2023	David Felipe	Brown University	Brown University Undergraduate
Summer	2023	Melissa Posas	Foothill College	Foothill College Undergraduate
Winter	2023	Trisha Nguyen	Foothill College	UC Berkeley Undergraduate
		<i>Recipient of UC Berkeley's Regents' and Chancellor's Scholarship</i>		
Winter	2023	Esmeralda Garcia	Foothill College	Continued studies
Winter	2023	Gabriela Cruz	Foothill College	UC San Diego Undergraduate
Summer	2022	Will M. Anderson	Foothill College	Columbia University Undergraduate
Summer	2022	Darla Robles	Foothill College	Continued studies

College and Graduate Admissions Mentoring

2022 - 2023	Victoria Barrios	The Opportunity Network	Vassar College
		<i>QuestBridge National College Match Recipient to Vassar College</i>	
2015 - 2016	Jessica Tang	QB College Prep Scholar	UC Davis, MD Candidate
		<i>QuestBridge National College Match Recipient to Yale University</i>	

SERVICE AND PROFESSIONAL ACTIVITIES

Science Outreach

2021 - 2022:	Founder , Neuroscience Inclusion Committee on Equitable Research (NICER) Initiative
2020 - 2021:	Equity and Representation Team — Social Media & Outreach, BrainY
2019:	Science Day Curiosity Experiment Demo, Zuckerman Mind, Brain, and Behavior Institute

Education Outreach

2021 - Present:	Board of Directors Road to Uni
2020 - 2022:	Advisory Board Member EdMobilizer End Your Legacy Initiative
2020 - 2021:	New England Executive Board Member Education Pioneers
2019 - 2020:	Alumni College Admissions Interviewer Brown University
2020:	College Essay Writing Workshop First Workings
2019:	College Admissions Mentor Washington Heights Expeditionary Learning School
2018 - 2019:	Director of Co-optation & Admissions Future Leaders Foundation
2016 - 2018:	Campus-Based Leader @ Brown Gates Millennium Scholars Program
2015 - 2018:	Talent Advisory Council Founder and Committee Member Future Leaders Foundation
2014 - 2015:	Executive Board Member Quest Scholars @ Brown

SELECTED INTERVIEW AND MEDIA COVERAGE

11/2023:	American Scientist	"First Person: Poverty and Neuroscience"
02/2023:	Federation of American Scientists	"Empowering First Generation Scientists with Gabriel Reyes"
09/2022:	Camelback Ventures	"2022 Fellow Focus: Gabriel Reyes + FLi Sci"
06/2021:	Brown University Alumni Office	"For one young alum, the impact of financial aid continues to reverberates"
11/2020:	Teachers College Early Risers	"Exploring Poverty's Impact on Learning"
04/2016:	Hispanic Scholarship Fund	"#HSF Scholar Stories"
05/2014:	UNM Newsroom	"Upward Bound student Gabriel Reyes is Ivy League bound"

PROFESSIONAL AFFILIATIONS

Education Leaders of Color (EdLoC)
 Jacobs Research Network Communicating Strengths-Based Approaches in Research
 American Education Research Association (AERA)
 Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
 ALBA Network

Updated October 2023