

Adam Calderon

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Education

Columbia University, Teachers College, New York, NY

M.A., Psychology in Education, 2018-2020

Quinnipiac University, Hamden, CT

B.S., Behavioral Neuroscience, 2013-2017

Distinction

Fulbright Fellowship, Research Award, Hungary, 2020

Columbia University Center for Science and Society Seed Grant, 2020

Mind and Life Institute ESRI Travel Grant, 2018

Barry Fitz Award in Psychology at Quinnipiac University, 2017

QU College of Arts and Sciences Student Research Support, 2017

National Science Foundation Research Experiences for Undergraduates (NSF REU), 2016

Albert Schweitzer Institute Certificate for Ethics and Responsibility, 2015

Peer-Reviewed Journal Articles

** = Authors contributed equally to the manuscript*

Malgaroli, M.*, **Calderon, A.***, & Bonanno, G. A. (2021). Networks of major depressive disorder: A systematic review. *Clinical Psychology Review*, 102000.

Invited Chapters

Calderon, A., Ahern, T. H., & Pruzinsky, T. (2018). Can We Change Our Mind About Caring for Others? The Neuroscience of Systematic Compassion Training. In L.C. Stevens & C.C. Woodruff (Eds.), *The Neuroscience of Empathy, Compassion, & Self-Compassion*. Cambridge, Mass: Elsevier/Academic Press.

Conference Paper Presentations

Calderon, A., Ahern, T. H., & Pruzinsky, T. (Aug, 2019). *The Neuroscience of Systematic Compassion Training*. In L.C. Stevens. (Chair). *The Neurological Foundations of Empathy and Compassion*. Symposium conducted at the annual convention of the American Psychological Association, Chicago, IL.

Calderon, A., Ahern, T. H., & Pruzinsky, T. (April, 2019). *The Neurobiology of Compassion*. In L.C. Stevens. (Chair). *The Neurobiology of Empathy and Compassion*. Symposium conducted at the 99th Annual Convention of the Western Psychological Association, Pasadena, CA.

Calderon, A., Whinnery, D., Duskocil, L., West, T., & Stevens, L. C. (Aug, 2017). *Compassion Training is Associated with Neurological and Behavioral Changes*. In L. C. Stevens (Chair), *Recent Discoveries in The Neuroscience of Empathy, Compassion and Self-Compassion*. Symposium conducted at the meeting of the American Psychological Association, Washington D.C.

Calderon, A., Whinnery, D., Duskocil, L., West, T., & Stevens, L. C. (Jul, 2016). *Does Being Compassionate Cause Electroencephalographic and Behavioral Changes? Implications for Affective Neuroscience*. In L. C. Stevens. (Chair). Paper presented at the Annual Conference of the Summer Research Internships in Hojooba' bee la' hooniil Undergraduate Research in the Social Psychophysiology of Compassion, Flagstaff, AZ.

Conference Poster Presentations

† = Canceled due to COVID-19

Chen, S., **Calderon, A.**, & Bonanno, G.A. (Mar, 2020). *Components of Regulatory Flexibility: A Latent Profile Analysis and Association with Depression and Anxiety*. Poster accepted at the 40th annual convention of the Anxiety and Depression Association of America, San Antonio, TX. †

Calderon, A., Ahern, T. H., & Pruzinsky, T. (Aug, 2019). *Systematic compassion training: A comprehensive summary and evaluative review of recent neuroscientific findings utilizing brain mapping and narrative methodologies*. Poster presented at the annual convention of the American Psychological Association, Chicago, IL.

Calderon, A., Ahern, T. H., & Pruzinsky, T. (Jul, 2019). *Systematic compassion training: A comprehensive summary and evaluative review of recent neuroscientific findings utilizing brain mapping and narrative methodologies*. Poster presented at the 6th World Congress on Positive Psychology of the International Positive Psychology Association, Sydney, AU.

Calderon, A., Whinnery, D., Duskocil, L., West, T., & Stevens, L. C. (Mar, 2017). *Recent Discoveries in The Neuroscience of Empathy, Compassion and Self-Compassion*. Poster presented at the 88th Annual Meeting of the Eastern Psychological Association, Boston, MA.

Calderon, A., Whinnery, D., Duskocil, L., West, T., & Stevens, L. C. (Oct, 2016). *Does Being Compassionate Cause Electroencephalographic and Behavioral Changes?* Poster presented at Northeast Under/graduate Research Organization for Neuroscience (NEURON), Hamden, CT.

Calderon, A., Whinnery, D., Duskocil, L., West, T., & Stevens, L. C. (Oct, 2016). *Does Being Compassionate Cause Electroencephalographic and Behavioral Changes?* Poster presented at the 56th Annual Meeting of the New England Psychological Association, Worcester, MA.

Calderon, A., Crawley, G., Tapia, J., & Daniels, J. (April, 2015). *Will glucose significantly impact the effects of emotion on declarative memory performance?* Poster presented at the annual poster session of the Quinnipiac University Psychology Department, Hamden, CT.

Invited Talks

Van Bavel, J. J., Huebner, B., Strevens, M., & Fuller, S. W. (2020). Navigating the Era of Information Surplus: Who

Knows Who Knows? In **Calderon, A.**, & Lap, J.D. (Chair). Lecture Series conducted at the Center for Science and Society at Columbia University, New York, NY. †

Calderon, A. (2020). Mindfulness & Emotion Regulation Strategies in the age of COVID-19. Talk given at Active Minds chapter at Columbia University, New York, NY.

Calderon, A. (2018). Can We Change Our Mind About Caring for Others? Recent Discoveries in the Neuroscience of Compassion. Talk given at Greater New York Chapter of the Fulbright Association, New York, NY.

Calderon, A. (2017). Does Being Compassionate Cause Electroencephalographic and Behavioral Changes? Talk given at Psi Chi meeting, Quinnipiac University, Hamden, CT.

Research Experience

Research Associate

10/2021 - Present

NYU Grossman School of Medicine, Department of Psychiatry, New York, NY
Anxiety, Stress, and Prolonged Grief Program
Professor: Dr. Naomi M. Simon, MD

- Provide support for research on the etiology and treatment of traumatic stress disorders, anxiety, and complicated grief, including consulting on a wide range of psychometric and machine learning analyses.

Fulbright Scholar

01/2021 – 07/2021

Hungarian Academy of Sciences, Budapest, HU
Brain Structure and Dynamics Research Group
Host Advisor: Zlotán Vidnyánszky, Ph.D.

- Chosen as one of seven individuals to receive a Fulbright Research Grant to Hungary.
- Received training on structural and functional MRI, longitudinal time-sensitivity analysis, and machine learning classifier methods.
- Conducting two independent studies: (1) a graph theory analysis of DTI tractography in Alzheimer's Disease and (2) a network analysis of neurocognition to tease population heterogeneity along the dementia spectrum.

Research Assistant

09/2018 – 05/2020

Columbia University, Teachers College, New York, NY
Loss, Trauma, and Emotion Lab
Professor: George A. Bonanno, Ph.D.

- Assisted with planning, coordinating, and carrying out three studies: (1) A psychophysiology study on emotion regulation, (2) A latent profile analysis on flexibility and its association with depression and anxiety, and (3) Path analysis of personality and flexibility.
- Directed a cross-functional 8-member research assistant team to develop an emotion regulation behavioral task and regularly met with members to troubleshoot and ameliorate issues related to latent profile analysis and structural equation modeling.
- Composed literature reviews on attentional bias and its measurement.
- Devised and edited IRB proposals.
- Received training to collect and process physiological data.

Independent Researcher

01/2019 – 05/2019

Columbia University, Teachers College, New York, NY

Professor: Matteo Malgaroli, Ph.D.

Project Title: A Network Analysis on Personality Structure & Coping Style

- Using a dataset from Wave II of the Midlife in the United States (MIDUS) study, formed a network analysis project to elucidate individual differences in personality temperament and coping styles.
- Experiences included formulating research hypotheses, data preparation, visualization, and result interpretation in context to computational psychiatry

Faculty Assistant

09/2018 - 05/2019

Columbia University, Teachers College, New York, NY

Department of Health & Behavior Studies

Professor: Charles E. Basch, Ph.D.

- Co-wrote an American Cancer Society Research Scholar Grant (RSG) to fund an epidemiological study on cancer prevention and control.
- Handled an extensive search of 1000+ peer-reviewed articles to narrow research questions and determine methodological gaps and weaknesses in the literature.
- Designed and conducted a literature review on health dissemination on Cancer Information through YouTube.
- Developed an R script to query YouTube's API as a method to collect data to evaluate misinformative and biased information about Cancer on YouTube.

NSF REU Scholar

06/2016 – 08/2016

Northern Arizona University, Flagstaff, AZ

Department of Psychological Sciences

Professor: Larry C. Stevens, Ph.D.

- Led an EEG investigation to examine neural responses related to compassion training.
- Learned how to collect, artifact, analyze and interpret EEG data.
- Independently composed literature reviews and IRB proposals.
- Screened and recruited participants.
- Administered and scored qualitative questionnaires.
- Prepared, designed, and created collaborative research posters, conference presentations, and journal papers.

Research Assistant

01/2016 – 05/2016

Yale School of Medicine, New Haven, CT

Department of Neurosurgery

Professor: Angélique Bordey, Ph.D.

- Investigated how brain circuits and abnormal neuronal exosomes are altered to give rise to mTORopathies, disorders related to mammalian Target of Rapamycin (mTOR) such as Tuberous Sclerosis Complex, Autism, Alzheimer's disease, and Schizophrenia.

- Worked on the quantification of cells within the anterior cingulate cortex to determine the best concentration of the FLNA gene that would result in successful cell migration.
- Quantified neuronal dendritic spines and measured their density in over 100 samples.
- Learned patch-clamp electrophysiology and confocal microscopy to visualize cells in the cingulate cortex.

Independent Researcher

01/2016 – 05/2016

Quinnipiac University, Hamden, CT

Professor: William Jellison, Ph.D.

Project Title: The Effect of Glucose on Memory Recall of Emotionally Arousing Stimuli

- Designed, conducted, analyzed, and presented a semester-long laboratory study examining the effects of blood glucose levels on memory modulation.
- Recruited participants via a University recruiting portal.
- Composed a formal research paper.

Research Assistant

10/2014 – 05/2015

DePaul University, Chicago, IL

Homeless Advocacy, Research, and Collaboration Lab

Professor: Molly Brown, Ph.D.

- Assisted in a qualitative study that sought to explore homeless shelter seekers experiences on a shelter waitlist and examined individual psychosocial differences between those admitted and those removed from a shelter waitlist.
- Revised IRB protocol.
- Recruited participants via phone interviews to evaluate study criteria fit.
- Participated in bi-weekly meetings on the current state of clinical-community psychology.

Clinical Experience

Peer Counselor Fellow

09/2019 – 05/2020

International House of New York, New York, NY

Supervisor: Lorraine Pirro, LCSW

- Carried a caseload of 3 clinical cases per semester for psychological support and counseling.
- Received close supervision through weekly individual and group supervision meetings with the In-House Social Worker.
- Attained training in clinical interviewing, diagnosis, and case conceptualization.
- Provided on-call emergency coverage on all weekends, vacation, and holiday breaks.
- Triage mental health emergencies and conferred with the resident social worker to conceptualize a therapeutic plan or treatment referral.
- Served as a coach to a team of six resident fellows to provide mentorship on how to manage prevalent issues among international students (e.g., culture shock, interpersonal, adjustment, and/or mental health issues).

Case Manager

10/2014 – 05/2017

AIDS Project New Haven, New Haven, CT

Supervisor: Nick Boshnack, MSW

- Worked with a team of social workers to provide psychosocial support for highrisk clients (i.e., individuals diagnosed with HIV/AIDS and were low-income or homeless).
- Duties included admitting new clients, reviewing records and case notes, keeping track of medication adherence and clinical progress via clinical interview, establishing goal planning, and arranging follow-up personal, financial, governmental, and social support appointments for each new client.

Teaching & Mentoring Experience

Teaching Fellow

Fall 2019

Barnard College, Columbia University, New York, NY

The Science of Living Well (BC1088)

Professor: Scott B. Kaufman, Ph.D.

- Led a recitation section of 21 students—reinforced lecture teachings by clarifying course readings, moderated discussions, facilitated experiential learning, and gave individual feedback regarding weekly submitted essays.
- Assisted professor in grading homework, papers, exams and aided with midterm and final exam construction.

Teaching Assistant

Spring 2017

Quinnipiac University, Hamden, CT

Special Topics in Psychology (PS300)

Professor: Thomas Pruzinsky, Ph.D.

- In response to the dearth of teaching opportunities at Quinnipiac University, I negotiated with the Psychology Department to create my own Teaching position - the result was the first-ever student/faculty co-taught course in the history of the University.
- Created and delivered lectures on affective neuroscience and positive psychology to a class size of 18 students.
- Assisted professor in grading homework, papers, exams and aided with midterm and final exam construction.

Peer Mentor

08/2015 – 05/2017

Quinnipiac University, Hamden, CT

Supervisor: Pascale Sade Jean-Jacques, M.A.

- Mentored eight first-year students who self-identified as being a minority or first-generation college student
- Provided academic and personal development support in order to achieve academic excellence.

STEM Tutor

10/2014 – 05/2017

St. Martin de Porres Academy, New Haven, CT

Supervisor: Sarah Crilley

- Voluntarily tutored underprivileged & underrepresented high school students three times a week for two hours; subjects ranged from Biology, Chemistry, Physics, Algebra, and Calculus.
- Provided academic and personal development support in order to achieve academic excellence.

SAT Preparatory Tutor

10/2014 – 05/2017

St. Martin de Porres Academy, New Haven, CT

Supervisor: Sarah Crilley

- Taught a free 4-hour SAT prep course every Monday

Research Advisees

Columbia University

Oliver Harris, Prakhar Gupta

2019 - 2020

Quinnipiac University

Margy Shah

2014 - 2017

Industry Experience

Measures Researcher

08/2021 - Present

Owl, Portland, Oregon

Supervisor: Hilah Kaufman, Ph.D

- Conduct psychometric research on mental health and psychopathology for Owl, a cloud-based platform and the leading provider of precision care management solutions for behavioral health, measurement-based care, clinical decision support, and data insights.
- Build and draft measures and write up measure descriptions for the Owl library.
- Assist in conducting research related to permission status and licensing of measures.
- Validate digital measure against original paper version of measure.
- Audition measures in different versions of the user interface and provide bug reports for development.

APA Psychology Intern

09/2019 – 05/2021

United Nations, Economic and Social Council, New York, NY

Supervisor: Rashmi Jaipal, Ph.D.

- Provide a psychological perspective at the U.N. to inform mental health policy.
- Assist APA-NGO representatives with fostering dialogues between psychologists, U.N. diplomats, politicians, NGOs, and policymakers.
- Participate in U.N. committee meetings, including holding memberships to the Commission on Sustainable Development, NGO Committee on Ageing, Committee on the Rights of Indigenous People, and the Subcommittee on Migrant and Refugee Children.
- Serve on the planning committee for Psychology Day at the United Nations.

Academic Service

Lecture Series Chair

Spring 2020

Co-chair: Joseph Dominicus Lap, Yale University

Columbia University Center for Science and Society, New York, NY

Series Title: Navigating the Era of Information Surplus: Who Knows Who Knows?

- Started a lecture series to explore the lack of access to specialized knowledge and its social ramifications. How are we to draw the boundaries between knowledge and misinformation? What are the social factors that influence what is taken as knowledge? Moreover, what faculties do we possess to distinguish between truth and misinformation?
 - Jay Van Bavel, Associate Professor of Psychology & Neural Science, New York University
 - Bryce Huebner, Provost's Distinguished Associate Professor, Georgetown University
 - Michael Strevens, Professor of Philosophy, New York University
 - Steve Fuller, Auguste Comte Chair in Social Epistemology, University of Warwick.

Planning Committee

2017, 2018

Mind and Life Europe Summer Research Institute, Chiemsee, Germany

- Designed and hosted three conference moments: the opening evening, the closing evening, and a reflection time after each lecture as a method to stimulate cross-disciplinary collaboration and a connected academic community.

Professional Membership

New York Academy of Sciences, Member	2018 – Present
Mind and Life Institute, Member	2017 – Present
American Psychological Association, Member	2016 – Present
Eastern Psychological Association, Member	2016 – Present
New England Psychological Association, Member	2016 – Present

Selected Skills

Languages

- English (Native)
- Polish (Limited Working Proficiency)
- Spanish (Elementary Proficiency)

Experimental Skills

- Designing computerized behavioral tasks: MATLAB
- Online survey construction: Qualtrics, SurveyMonkey
- Data analysis: R, SPSS, SAS, JASP, Mplus, Microsoft Excel

Psychophysiology skills

- EEG/ERP collection, processing, and analysis: BIOPAC, Biosemi, EEGLab, ERPLab, PsychToolbox, LORETA, EUREKA, WinEEG
- EDA, EMG, and EKG collection: BIOPAC, Biosemi, AcqKnowledge

Neuroimaging skills

- fMRI collection, artifacting, and analysis: FreeSurfer
- DTI collection, artifacting, and analysis: FSL

Certifications

- CITI Training Program in Social and Behavioral Research (SBE)
- CITI Responsible Conduct of Research (RCR)
- Emergency Medical Technician (EMT)