Alexandra G. Tremblay-McGaw

Personal Information

EMAIL: alex.tremblaymcgaw@ucsf.edu
PUBLICATIONS: Google Scholar

Current Position

JULY 2023-CURRENT

Clinical Research Coordinator (CRC) , UNIVERSITY OF CALIFORNIA, SAN FRANCISCO
Sleep and Mood Lab - Andrew Krystal, MD

DESCRIPTION: Communicate closely with treatment resistant depression patients regarding symptom progression, overall health, and mood. Monitor patient surveys and neural data. Plot patients symptom variability and provide weekly patient updates to the team. Conduct structured clinical interviews and MoCA exams. Work with patients while they are in the hospital, monitor for seizures, conduct mood inductions, rigorously test different stimulation parameters. Clean, concatenate, analyze and visualize patient neural, naturalistic audio, FitBit, BIOPAC, and behavioral data using Python and MatLab. Visit patients and implement NeuroPace device stimulation and detector changes. Contribute to manuscript, FDA, and grant writing. Work with clinicians, graduate students, post-docs, and faculty to ensure research progression. Utilize MatLab and Python packages and libraries (NumPy, Pandas, Scipy, Scikitlearn, Matplotlib-Seaborn) to compile, analyze, and visualize data. Mentor underrepresented scholars through the CIRCLE program.

Education

SEP 2014-MAY 2018 — Bachelor of Arts in PSYCHOLOGY, **Skidmore College,** Saratoga Springs, NY
magna cum laude and honors within the major
Thesis: "The Integration of Memories in the Human Brain"
Advisor: Dr. Daniel PETERSON GPA: 3.9 | Detailed List of Courses

SEP 2014-MAY 2018 — Bachelor of Arts in ECONOMICS, **Skidmore College,** Saratoga Springs, NY
magna cum laude and honors within the major
Thesis: "An Examination of Homelessness and Mental Illness"
Advisor: Dr. Sandra GOFF GPA: 3.8 | Detailed List of Courses

JAN 2017-MAY 2017 — Semester Abroad, **Universidad Autónoma de Madrid,** Madrid, Spain
Skidmore Tufts: in SPAIN GPA: 3.7 | Detailed List of Courses

AUG 2003-MAY 2012 — Student and Dancer, **San Francisco Ballet School,** San Francisco, CA
full scholarship pre-professional dancer with various solos

Honors and Awards

JUNE 2023 — Best Clinical Science Abstract Research Award **Stanford University School of Medicine** (USD $500)
NOV 2018 — Travel to Present Award **Skidmore College** (USD $700)
JAN 2018 — Mary Shafer Dennis Endowed Scholarship **Skidmore College** (USD $5,440)
SEP 2017 — Foley Psychology Department Research Fund **Skidmore College** (USD $300)
MAR 2017 — See Beyond Award **Skidmore College** (USD $4,000)
2015-2018 — Dean's List Honors **Skidmore College**
2014-2018 — Tuition Exchange Scholarship **Skidmore College** (USD $134,500)
2014-2018 — Skidmore College Grant **Skidmore College** (USD $43,702)
2010-2014 — Scholarship to attend **Drew High School** (USD $128,000)
2003-2012 — Full scholarship to attend the **San Francisco Ballet School** (USD $100,000)

Skills

Basic Knowledge: SPSS, LaTeX, LIVECODE, R, JASP
Intermediate Knowledge: MATLAB, Adobe, Excel, Word, PowerPoint, EndNote, Paperpile
Advanced Knowledge: PYTHON, Zotero, REDCap, IRB, HIPPA, MRI Safety
Toolboxes: CONN, SUIT, FREESURFER, MARSBAR

Languages

ENGLISH: Fluent
SPANISH: Fluent

Research Experience

July 2023-Current

Clinical Research Coordinator (CRC) , University of California, San Francisco, CA
Sleep and Mood Lab - Andrew Krystal, MD

Project: *Closed-Loop Deep Brain Stimulation for Major Depression - PReSiDio (UH3NS123310-01A1)*

DESCRIPTION: The purpose of this study is to test a personalized approach to brain stimulation as an intervention for treatment-resistant depression. We use a surgically implanted device to measure each individual's brain activity related to their depression. Then the team uses small electrical impulses to alter that brain activity and measure whether these changes help reduce depression symptoms.

CONTRIBUTION: As a CRC on the project I work closely with patients to monitor their depression, anxiety, suicidal ideation, and anhedonia symptoms. Additionally, I implement device detector and stimulation changes, travel to visit patients, assess cognition, and conduct structured clinical interviews. I work in inpatient, outpatient, lab, and patient at-home settings and on multiple data analysis projects including a stimulation efficacy analysis, a BIOPAC/FitBit depression biomarker augmentation analysis, a grant budget analysis, a depression questionnaire analysis, a multi-day rhythm analysis, and a neural and audio data analysis.

Project: *Identification of Symptom Variability Within Depression - PReSiDio (UH3NS123310-01A1)*

DESCRIPTION: For the PReSiDio trial, each patient presents with severe treatment resistant depression. Based on previous research we know that each person can experience depression differently. Additionally, from our small cohort, we have seen that patients benefit from different implant locations and detector/stimulation parameters. The goal of this analysis is to identify the differences and similarities in depression symptomatology for each patient in order to understand what we are measuring.

CONTRIBUTION: As the leader of the analysis, I conceptualized the research question, analyzed the data using Python packages (NumPy, Pandas, SciPy, StatsModels, and Scikit-learn). I worked through several iterations of presenting and visualizing (Seaborn and Matplotlib) the data. I am currently writing a manuscript for journal submission.

Project: *Multi-day Rhythms for Major Depression - PReSiDio (UH3NS123310-01A1)*

DESCRIPTION: The purpose of this analysis is to investigate different timescales in physiology and determine if they relate to neural activity in each patient and across patients. Eventually, we hope to be able to use these timescales to predict mood and specific depression symptoms.

CONTRIBUTION: As a CRC on this project I assisted the lead graduate student on the project. I developed and used existing pipelines to process, analyze, and visualize the data. My specific contribution was the addition of Fitbit data. In my analysis, I included sleep, steps, waking hours, heart rate, and overall activity and health metrics.

Project: *Identifying Neural Substrates of Symptom State Using Naturalistic Recordings in Depression - PReSiDio (UH3NS123310-01A1)*

DESCRIPTION: The goal of this project is two fold. The first is to use machine learning approaches to classify emotional states based on naturalistic audio recordings collected at-home, during clinician appointments, and during in-lab testing. The second goal is to identify neural substrates from intracranial neural recordings that correspond to high and low symptom severity during in-lab visits and examine the different neural features across symptom states.

CONTRIBUTION: I worked on evaluating the quality of the at-home and in-clinic audio and neural data, utilized Python packages (NumPy, Pandas, Scipy, Scikitlearn) to compile, analyze, and visualize the data.

Project: *ATTUNE Neurosciences-Major Depression Disorder - (UCSF Rap Grant Pritzker Family Foundation)*

DESCRIPTION: The purpose of this research study is to evaluate the potential use of a study device "ATTN201" in modulating mood in people who have Major Depressive Disorder (MDD). ATTN201 is a non-invasive headband which includes ultrasound transducers at each of the temples and registers the electrical signals of the brain (via electroencephalogram (EEG)) with two electrodes placed in the forehead section of the band. Focused ultrasound (FUS) is a form of non-invasive brain stimulation that utilizes sound waves (the same form of energy used in fetal ultrasound imaging) to target and alter activity in areas of the deep brain.

CONTRIBUTION: As a CRC assisting with this project, I worked closely with patients to monitor their mental and physical health symptoms. During study visits I led tasks, monitored video and audio recordings, assessed mood and cognition, and worked to ensure the device was working properly and delivering the correct stimulation. As a team member, I assisted with the writing, methodology, and data curation for a now published manuscript that demonstrates that the first patient to undergo this treatment reliably experienced symptomatic relief from stimulation of the Anterior Thalamus. Additionally, we demonstrated that the ANT stimulation reduced the patients default mode network connectivity from the 99th percentile of over-connectivity back to healthy levels.

May 2021-July 2023

Lead Clinical Research Coordinator (CRC-2) , Stanford University, Palo Alto, CA
Biobehavioral Pediatric Pain Lab - Laura Simons, Ph.D

Project: *Signature for Pain Recovery in Teens - SPRINT (R61 NS114926)*

DESCRIPTION: SPRINT is a multisite, international effort to uncover a biological signature predicting pain recovery and persistence in teens with musculoskeletal pain. In collaboration with the University of Toronto, Hospital for Sick Children (SickKids), and Cincinnati Children's Hospital, the team used a novel machine learning technique to generate and test an elastic net model, opening doors for new screening and treatment approaches. SPRINT participation consisted of a blood draw, an hour-long MRI, sensory testing, and parent and child questionnaires in person, and biweekly at-home surveys over three months.

CONTRIBUTION: As the Lead Coordinator of the SPRINT study, I managed and oversaw study recruitment, data collection, database management, and multiple team meetings. I standardized procedures, coordinated blood transfers, and facilitated all data analysis by collating the data, merging, and cleaning it. I assisted with the writing and submission of progress reports to the NIH. Additionally, I led an independent project proposing a framework to examine diversity and representation in the recruitment and participation of this study and future research.

Project: *Diversity and Representation in Research Cohorts (R61 NS114926)*

DESCRIPTION: While there are more efforts in the research community to redress the lack of diverse representation in research populations, the data to support these efforts is still lacking. In this study, I proposed a small-scale, inexpensive researcher-driven method of reporting eligible population level characteristics alongside standard enrolled participant descriptors in order to generate more robust information about research diversity and inclusion.

CONTRIBUTION: As the leader of this project, I developed the initial research idea, compiled and analyzed the data, and submitted a manuscript containing our findings.

Project: *Learning and Memory in Pediatric Chronic Pain (R01 HD083270)*

DESCRIPTION: Given the influential role of learning and memory on pain outcomes in youth with chronic pain, the goal of the study was to examine the process of aversive learning in adolescents with pain in comparison to healthy individuals. This study utilized brain imaging (fMRI), psychophysical (skin conductance), and saliva cortisol measures to assess functional circuit and physiological changes associated with altered learning and memory patterns.

CONTRIBUTION: I managed data analysis for this study and contributed to multiple manuscripts and posters that are products of this study, including an independent project examining threat learning in the cerebellum in youth with chronic pain and pain-free peers.

Project: *Pain Rehabilitation Virtual Reality - PRVR (R21 AR079140)*

DESCRIPTION: In collaboration with Stanford Children's Health, Agile Physical Therapy, and California Rehabilitation & Sports Therapy, this randomized controlled trial examined a novel approach to pain management through the use of virtual reality (VR) technologies. Our mission was to continue to improve care for children and adolescents with chronic pain through the use of VR. Using VR, we addressed factors relevant to chronic pain, including increasing range of motion, reducing pain-related fear of movement, and improving the mind-body connection.

CONTRIBUTION: For this clinical trial I assisted with study start-up and initializing regulatory and IRB contracts and protocols. I helped develop the protocol and best uses for VR in Physical Therapy. I trained and oriented study staff and physical therapists. Additionally, I helped write the published protocol paper.

Project: *Journey in Pain Care (K24 AR078945)*

DESCRIPTION: Journey in Pain Care aimed to conduct formative research to identify opportunities for better care among youth with chronic pain and their families. The project's goal was to characterize–with in-depth interviews and longitudinal quantitative data–the experiences of youth living with chronic MSK pain and their parents who were seeking and completing multidisciplinary pain care. The purpose was to highlight gaps in care, communication, and understanding for further study.

CONTRIBUTION: I trained to become a clinical interviewer on the study, assisted with regulatory affairs, participated in bi-weekly group supervision to further develop and build upon clinical and research skills. Additionally, I assisted with qualitative data analysis and poster submissions and presentations.

Jun 2018-Aug 2021

Lab Manager , The University of Oregon, Eugene, OR
The Kuhl Memory and Attention Lab - Brice Kuhl, Ph.D

Project: *DIPPER (NSF Career Award BCS-1752921)*

DESCRIPTION: DIPPER aimed to examine to what extent representations of imagined events resemble representations of retrieved events. We used fMRI pattern similarity analyses to compare neural representations of retrieved and imagined events. In the course of one study visit, participants were scanned while watching videos, remembering previously viewed videos, and imagining novel events conceptually related to the content of watched and remembered videos.

CONTRIBUTION: I participated in the development of this research idea, the planning of the study design, and collected all imagining data. The manuscript is in preparation.

Project: *PEMS EEG (R01 NS089729 and NSF Career Award BCS-1752921)*

DESCRIPTION: In PEMS EEG, we tested whether encoding and retrieval biases can be decoded from patterns of neural activity and whether decoded evidence of memory biases predicted how new events will be remembered. During an EEG session, participants were first familiarized with a series of common objects. Afterwards, subjects completed a continuous recognition task that included 'old' and 'new' objects. The order of stimulus presentation was controlled such that half of the new objects were preceded by an old object and half were preceded by a new object. Following continuous recognition, participants completed a post-test that required discriminating objects from the continuous recognition task vs. perceptually similar lures.

CONTRIBUTION: I collected the PEMS EEG data and worked to check the data quality and analyze the data. I submitted an abstract and presented a poster of our results.

Project: *ColorSep (R01-NS089729)*

DESCRIPTION: In ColorSep, we tested whether similarity between events triggers adaptive biases in how those events are remembered. We generated pairs of competing objects that were identical except in color and varied the degree of color similarity for the competing objects. Across a series of several experiments, subjects repeatedly studied and were tested on associations between each of these objects and corresponding faces.

CONTRIBUTION: For ColorSep, I collected all of the data, implemented study design changes, worked to trouble shoot MatLab errors, and assisted with figure generation for the final manuscript.

Sep 2016-May 2018

Research Assistant & Lab Manager , Skidmore College, Saratoga Springs, NY
Memory and Learning Sciences Lab - Daniel Peterson, Ph.D

Project: *Physiological Stress and Face Recognition (James S. McDonnell Foundation Grant)*

DESCRIPTION: In two experiments, participants encoded faces either under physiological stress (via a cold pressor task) or under control conditions. Participants were later given a recognition memory test for the faces and provided confidence judgments in their old/new decisions.

CONTRIBUTION: While working in the lab, I managed data collection, oversaw the training of research assistants, and discussed study design and implementation.

Project: *Memory Integration (Foley Psychology Research Award)*

DESCRIPTION: In the Memory Integration experiment, we implemented a repeated measures design to assess the impact of seeing a positive version of a negative event. Sixty-three participants participated in a for-credit or paid experiment advertised as a study on "emotional processing" that consisted of viewing a series of negative, positive, or neutral images of scenes while having their skin conductance measured.

CONTRIBUTION: This was my senior year honors thesis which I conceptualized, designed, implemented, analyzed, presented, and wrote up.

Clinical & Community Experience

July 2023-Current — Clinical Interviewer , University of California, San Francisco- San Francisco, CA
Sleep and Mood Lab - Andrew Krystal, MD

DESCRIPTION: Conduct structured clinical interviews (SCID-IV) for adults with Major Depression Disorder participating in the PReSiDio clinical trial. Participated in bi-monthly group supervision.

Apr 2022-July 2023 — Clinical Interviewer , Stanford University - Palo Alto, CA
Biobehavioral Pediatric Pain Lab - Laura Simons, Ph.D

DESCRIPTION: Interviewed parents and pediatric patients with chronic pain about their pain care journey in semi-structured clinical interviews. Participated in bi-weekly group supervision.

Jan 2017-May 2017 — Hospital Volunteer , Hospital Infanta Sofía - Madrid, Spain
Asociación Española Contra Cáncer - Patricia Pradera, Ph.D

DESCRIPTION: Visited cancer patients; took notes about their demeanor and reported to head psychologist regarding the patients' emotional state and well-being. Provided information to patients and families regarding hospital and government services and aid. Supported families emotionally through their hospital stay. All communication conducted in Spanish.

Volunteer Experience

Aug 2024-Current — Clinical Research Coordinators: Learners for Equity (CIRCLE) Scholar Mentor , California
University of California, San Francisco

DESCRIPTION: The Clinical Research Coordinators: Learners for Equity (CIRCLE) program aims to increase the diversity of the biomedical workforce and to advance inclusive research and health equity. The program is funded by the NIH. I mentor two CIRCLE scholars for 10 hours a week each, which includes shadowing experiences, mentorship on tasks, projects, programming, and data analysis, inclusion in team meetings, and guidance on career paths, applications, etc. This program is under the aegis of the Department of Epidemiology and Biostatistics.

Jan 2024-Current — Yoga Studio Volunteer , San Francisco, CA
The Castro Room

DESCRIPTION: As a volunteer at a yoga studio in the Castro, I work at the front desk, provide excellent customer service, assist members with memberships and sales, and foster an inclusive environment. Additionally I assist instructors with class setup, instruction, cleanup, and sound baths.

Manuscripts - ** co-first-authors*

Tremblay-McGaw, A.G., Sellers, K., Khambhati, A., Hamlat, E., & Krystal, A.D. (in preparation). *Identification of symptom variability within Major Depression Disorder.*

Allawala, A.*, **Tremblay-McGaw, A.G.***, Sellers, K., Khambhati, A., Astudillo Maya, D., & Krystal, A.D. (in preparation). *An integrative approach for personalized deep brain stimulation using multimodal behavior, neurophysiological signals, and stimulation.*

Tremblay-McGaw, A.G., Biggs, E.E., Timmers, I., Moulton, E., & Simons, L.E. (in preparation). *The role of the cerebellum in threat learning in youth with chronic pain.*

Sellers, K., Sugrue, L.P.,**Tremblay-McGaw, A.G.**, Becker, N., Nedelec, P., Hamlat, E., Chang, E., & Krystal, A.D. (under review). *Bladder control side-effects of deep brain stimulation for major depressive disorder related to recruitment of distinct subcomponents of the anterior limb of the internal capsule.*

Tremblay-McGaw, A.G., Hamlat, E., Becker, N., Astudillo Maya, D., Krystal, A.D., & Sellers, K. (under review). *Best practices for clinical trials of deep brain stimulation for neuropsychiatric indications.*

Lee, A. Moses, Kist, A., Alvarez, J., Sellers, K. K., Khambhati, A. N., Sugrue, L. P., Reid, L. B., Kadlec, K., Fan, J. M., Allawala, A. B., Racine, C. A., Norbu, T., Astudillo, D., **Tremblay-McGaw, A.G.**, Becker, N., Alhourani, A., Starr, P. A., Chang, E. F., & Krystal, A.D. (under review). *Invasive Brain Mapping Identifies Personalized Therapeutic Neuromodulation Targets for Obsessive-Compulsive Disorder.*

Sellers, K.K., Hamlat, E.J., Choi, I., Astudillo Maya, D.A., **Tremblay-McGaw, A.G.**, Mergenthaler, J., Chang, E.F., & Krystal, A.D. (under review). *Sustained benefit of closed-loop deep brain stimulation for major depressive disorder.*

Tremblay-McGaw, A.G., Biggs, E.E., Sokol, O., Wiseman, A.M., Goya Arce, A., & Simons, L.E. (under review). *Who is being represented in research? A researcher-driven method for assessing diversity and representation in prospective research cohorts.*

Fan, J., Woodworth, K., Murphy, K.R., Hinkley, L., Cohen, J.L., Yoshimura, J., Choi, J., **Tremblay-McGaw, A.G.**, Mergenthaler, J., Good, C.H., Pellionisz, P.A., Lee, A.M., Ianni, T.D., Sugrue, L.P., & Krystal, A.D. (2024). *Thalamic low intensity focused ultrasound stimulation in treatment resistant depression.* Brain Stimulation: Basic, Translational, and Clinical Research in Neuromodulation.

Biggs, E.E., Heathcote, L.C., Timmers, I., **Tremblay-McGaw, A.G.**, Noel, M., Borsook, D., & Simons, L.E. (2024). *Emotional memory bias in adolescents with chronic pain: examining the relationship with neural, stress, and psychological factors.* PAIN.

Timmers, I., Bruckert, L., Biggs, E.E., **Tremblay-McGaw, A.G.**, Borsook, D., Zhang, H., & Simons, L.E. (2024). *Probing white matter microstructure in youth with chronic pain and its relation to catastrophizing using neurite orientation dispersion and density imaging.* PAIN ():10.1097/j.pain.0000000000003269, May 8, 2024.

Simons, L.E., Hess. C.W., Choate, E.S., Van Orden, A.R., **Tremblay-McGaw, A.G.**, Menendez, M., Boothroyd, D.B., Parvathinathan, G., Griffin, A., Caruso, T. J., Stinson, J., Weisman, A., Liu, T., Christensen, R., & Koeppen, K. (2022). *Virtual Reality Augmented Physiotherapy for Chronic Pain in Youth: Protocol for a randomized controlled trial enhanced with single case experimental design.* Journal of Medical Internet Research. 11(12):e40705.

Chanales, A.J.H., **Tremblay-McGaw, A.G.**, Drascher, M.L., & Kuhl, B.A. (2020). *Adaptive repulsion of long-term memory representations is triggered by event similarity.* Psychological Science. 32 (5), 705-720.

Posters

Allawala, A., Sellers, K., Khambhati, A., Astudillo, D., **Tremblay-McGaw, A.G.**, Stapper, N., Kunwar, E., Woodworth, K., Choi, I., Mergenthaler, J.C., Fan, J., Cohen, J., Sugrue, L., Rao, V., Scangos, K., Chang, E., & Krystal, A. (2025, April). *Modulation of Intracranial Circuit Dynamics using Personalized Deep Brain Stimulation in Treatment-Resistant Depression.* Poster Session TBD, presenting at the Society of Biological Psychiatry, Toronto, Canada.

Nandini, PS., Fan, J., Sellers, K., Astudillo, D., **Tremblay-McGaw, A.G.**, Becker, N., Allawala, A., Sugrue, L., Rao, V., Krystal, A., Chang, E., & Khambhati, A. (2025, April). *Decoding Multiday Rhythms in Mood in Human Treatment-Resistant Depression.* Poster Session TBD, presenting at the Society of Biological Psychiatry, Toronto, Canada.

Pascual-Diaz, S., Suñol, M., Biggs, E.E., **Tremblay-McGaw, A.G.**, King, C., Saberi, M., Aghaeepour, N., Angst, M., Gaudilliere, B., Stinson, J., Moayedi, M., Coghill, R., Simons, L.E., & Lopez-Solà, M. (2023, October). *Augmented brain responses to multisensory stimulation in affective/regulation circuits is associated with worse quality of life in adolescents with chronic musculoskeletal pain.* Poster Session I, presented at the International Symposium on Peadiatric Pain, Nova Scotia, Canada.

Biggs, E.E., Neville, A., **Tremblay-McGaw, A.G.**, Wiseman, A.M., Coghill, R., King, C., Lopez-Sola, M., Moayedi, M., Gaudilliere, B., Aghaeepour, N., Angst, M., Stinson, J., & Simons, L.E. (2023, September). *Measuring Recovery in Pediatric Chronic Pain.* Poster Session II, presented at the European Peadiatric Psychology Conference, Scotland, United Kingdom.

Tremblay-McGaw, A.G., Harrison, L.E., Biggs, E.E., & Simons, L.E. (2023, April). *Chronic Pain and Sleep Disturbance in Youth with Chronic Pain.* Poster session II, presented at the Social and Affective Neuroscience Society Annual Meeting, Santa Barbara, CA.

Neville, A., Biggs, E.E., **Tremblay-McGaw, A.G.**, Wiseman, A.M., Coghill, R., King, C., Lopez-Sola, M., Moayedi, M., Gaudilliere, B., Aghaeepour, N., Angst, M., Stinson, J., & Simons, L.E. (2023, March). *A longitudinal examination of parent diagnostic uncertainty in pediatric chronic pain.* Poster 64, session III, presented at the Society for Pediatric Psychology, Chicago, IL.

Hess, C.W., Madgavkar, D., Van Orden, A.R., Wiseman Miner, A., **Tremblay-McGaw, A.G.**, Wiseman, A.M., Choate, E., Neville, A., & Simons, L.E. (2023, March). *Journey in Pain Care: A qualitative protocol examining the lived experiences of children and caregivers navigating chronic pain treatment.* Poster 80, session III, presented at the Society for Pediatric Psychology, Chicago, IL.

Tremblay-McGaw, A.G., Biggs, E.E., Goya Arce, A., Sokol, O., Wiseman, A.M., & Simons, L.E. (2022, September). *Representation of chronic pain populations in experimental research.* Poster PWD310, presented at the IASP World Congress on Pain, Toronto, Canada.

Tremblay-McGaw, A.G., Biggs, E.E., Timmers, I., Moulton, E., & Simons, L.E. (2022, September). *The role of the cerebellum in threat learning in youth with chronic pain.* Poster PFR155, presented at the IASP World Congress on Pain, Toronto, Canada.

Madgavkar, D. Hess, C.W., Van Orden, A.R., Wiseman, A.M., **Tremblay-McGaw, A.G.**, Choate, E.S., & Simons, L.E. (2022, August). *Journey in Pain Care (JiPC): A qualitative protocol for examining the lived experiences of children and families navigating chronic pain treatment.* Poster session A, presented at the Stanford Bio-X Interdisciplinary Annual Symposium, Palo Alto, CA.

Tremblay-McGaw, A.G., Biggs, E.E., Simons, L.E., & Timmers, I. (2022, May). *Alterations in white matter microstructure for youths with chronic pain relate to pain catastrophizing: an evaluation of diffusion MRI data using multi-compartment modeling.* Poster session VIII, presented at the Association for Psychological Science Annual Convention, Chicago, IL.

Choate, E., Hess, C., Van Orden, A., **Tremblay-McGaw, A.G.**, Griffin, A., Feinstein, A., Caruso, T., & Simons, L.E. (2022, April). *Virtual reality in physical therapy: A randomized clinical trial.* Poster session III, presented at the Society for Pediatric Psychology, Phoenix, AZ.

Molitor, R.J., **Tremblay-McGaw, A.G.**, DuBrow, S., & Kuhl, B.A. (2020, March). *Distributed representations of remembered vs. imagined events.* Poster session A, presented at the Cognitive Neuroscience Society, Boston, MA.

Drascher, M.L., **Tremblay-McGaw, A.G.**, & Kuhl, B.A. (2019, October). *Repulsion and sharpening along diagnostic feature dimensions support resolution of memory interference.* Poster session 169, presented at the Annual Society for Neuroscience, Chicago, IL.

Tremblay-McGaw, A.G., Kuhl, B.A., & Long, N.M. (2019, March). *Decoding biases between memory encoding and retrieval induced by recent experience.* Poster session A, presented at the Annual Cognitive Neuroscience Society, San Francisco, CA.

Tremblay-McGaw, A.G., Wissman, K.T., & Peterson, D.J. (2018, November). *The integration of memories in the human brain.* Poster session IV, presented at the Annual Psychonomic Society, New Orleans, LA.

Symposia

Sellers, K.K., Astudillo Maya, D.A., **Tremblay-McGaw, A.G.**, Stapper, N., Henderson, C., Choi, I., Mergenthaler, J., Becker, N.C., Kunwar, E., Allawala, A., Hamlat, E.J., Woodworth, K., Fan, J.M., Khambhati, A.N., Rao, V.R., Sugrue, L.P., Cohen, J.L., Scangos, K.W., Chang, E.F., & Krystal, A.D.(2025, April). *Personalized Stimulation Targets for Closed-Loop Deep Brain Stimulation for Major Depressive Disorder.* Society of Biological Psychiatry: Toronto, Canada.

Invited Seminars

Tremblay-McGaw, A.G., O'Dempsey, S., Vlhek, K., & Singh, M. (2023, September). *Life After Graduation.* Presented by the Economics and Business Departments and Alumni Association, SUNY Oneonta, Oneonta, NY.

Tremblay-McGaw, A.G. (2023, June). *Best Clinical Science Abstract Research Award Talk: Who is being represented in research? A researcher-driven method for assessing diversity and representation in prospective research cohorts.* Stanford University School of Medicine, Stanford, CA.

Hoffman, H., Hess C.W., **Tremblay-McGaw, A.G.**, Van Orden, A.R., & Simons, L.E. (2022, September). *The Powers and Application of Virtual Reality: A Special Hands-On Workshop.* Presented at the Pediatric Sedation and Pediatric Dental Sedation Symposium: Boston Children's Hospital & Harvard Medical School Teaching Hospital "Outside of the Operating Room" Conference, San Francisco, CA.

Training

Oct 2023	Suicide-Focused Assessment and Treatment Course, **McLean Hospital**
July 2023	Structured Clinical Interview Training (SCID), **University of California, San Francisco**
Oct 2023-Oct 2024	MRI Level II Safety Certification, **University of California, San Francisco**
July 2023-Current	CITI Basic Training Course for Biomedical Research & GCP Training, **University of California, San Francisco**
July 2023-Current	HIPPA for Researchers and Protecting Patient Privacy Certification, **University of California, San Francisco**
June 2021-June 2023	Bloodborne Pathogens Certification, **Stanford School of Medicine**
June 2021-June 2023	HIPPA for Researchers and Protecting Patient Privacy Certification, **Stanford School of Medicine**
June 2021-June 2023	MRI Safety Certification, **Stanford University**
June 2021-June 2023	CITI Basic Training Course for Biomedical Research & GCP Training, **Stanford University**
May 2021	Bystander Intervention to Stop Anti-Asian/American Harassment and Xenophobia Training, **Hollaback**
Oct 2019	NSF GRFP Workshop, **University of Oregon**
Aug 2019	Philips Neuro HD EEG Workshop, **University of Oregon**
May 2017-2021	CITI Basic Training Course for Biomedical Research, **University of Oregon**
May 2017-2021	MRI Safety Certification, **University of Oregon**

Memberships

November 2022-November 2023	Social and Affective Neuroscience Society
May 2022-May 2023	International Association for the Study of Pain
Nov 2021-Feb 2023	Society of Pediatric Psychology
Mar 2020-Mar 2022	Association for Psychological Science
Nov 2018-Nov 2020	Cognitive Neuroscience Society
Jul 2018-Jul 2020	Society for Neuroscience
Jul 2018-Jul 2019	Psychonomic Society

Primary References

Andrew Krystal, MD
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Laura Simons, PhD
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Professor, University of Oregon
Phone: 541.346.4983
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Bachelor of Arts in Psychology, Skidmore College

Courses

Introduction to Psychological Science
Research Methods in Psychology I
Abnormal Psychology
Colloquium in Psychological Science
Social Psychology
Research Methods in Memory
Clinical Psychopharmacology
Psychology of Race
Senior Research Project I
Senior Research Project II

Bachelor of Arts in Economics, Skidmore College

Courses

Introduction to Macroeconomics
Introduction to Microeconomics
Calculus I
Macroeconomic Theory
Statistical Methods
Advanced Macroeconomic Theory and Policy
Evolutionary Economics
Income Distribution
Pre-Thesis
Environmental and Resource Economics
Senior Seminar

Exchange Program, Universidad Autónoma de Madrid

Courses

Clinical Psychology