

ISABELLA KAHHALÉ, M.S.

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I leverage cutting edge statistical and neuroscience tools to understand how adverse human experiences influence the development of a) the brain, b) antisocial behavior (e.g., aggression, criminality) and c) prosocial behavior (e.g., empathy, helping behaviors).

EDUCATION

Ph.D., Clinical & Developmental Psychology, University of Pittsburgh (U. Pitt.) Aug. 2019 – present

- Quantitative Minor
- Researcher at the Learning, Research, & Development Center
- Graduate Advisor: Prof. Jamie Hanson, Ph.D.

M.S. Clinical & Developmental Psychology, U. Pitt. Aug. 2019 – Apr. 2021

- Master's Thesis: "Probing associations between childhood maltreatment, brain connectivity, and later antisocial behavior."
- Committee: Prof. Jamie L. Hanson, Ph.D., Prof. Amy L. Byrd, PhD., & Prof. Daniel S. Shaw, PhD

B.S., Cognitive & Brain Sciences, Tufts University Sept. 2013 – May 2017

- Minor in English and Certificate in Ethics, Law, & Society
- *summa cum laude* (GPA 3.93) and Highest Thesis Honors
- Senior Honors Thesis: "The fear response in dissociative identity disorder: an acoustic startle response study." Advised by Prof. Lisa Shin, Ph.D. and Dr. Lauren A. M. Lebois, PhD.

CURRENT PROJECTS & RESEARCH INTERESTS

Adversity, prosocial, & antisocial behavior. Advised by Jamie Hanson, PhD (U. Pitt.)

It is unclear how experiences of adversity (e.g., childhood maltreatment, neighborhood disadvantage) impact empathy, a fundamental skill that underpins successful interpersonal interactions and prosocial behavior. I have launched a pilot project investigating the associations between adversity and empathy in collaboration with the Stanford Social Neuroscience Lab and with funds from a competitive U. Pitt. award.

Antisocial behavior subtypes & the brain. Advised by Jamie Hanson, PhD, Dustin Pardini, PhD (ASU)

Subtypes of antisocial behavior (e.g., proactive, reactive aggression) likely have different underlying patterns of emotion dysregulation, propensity for violence, and neural activity. Using advanced structural equation modeling and advanced neuroimaging methods, I am investigating the distinct neural phenotypes of antisocial behavior subtypes.

Factors influencing incarceration. Advised by Jamil Zaki, PhD (Stanford) and Leor Hackell, PhD (USC)

I study the many factors influencing incarceration outcomes such as juror empathy and someone's criminal history. I have participated in a recidivism prediction challenge hosted by the National Institute of Justice using machine learning models to predict recidivism likelihood. To understand how empathy influences incarceration, I have conducted online experiments and analyses of restricted-access archival data on over 12 million national incarceration records. Results are currently in preparation for submission.

HONORS AND AWARDS

Bassell Student Publication Award , U. Pitt. Dept. of Psychology	June 2023
Ruth Myers Research Excellence Award , U. Pitt. Graduate Education Committee <i>Research project: "Individual Differences in Empathy Linked to Risk and Resilience for Aggression Among High-Risk Adolescents."</i>	May 2023
Grad Student Council Award , Learning, Research, & Development Center	March 2023
Andrew W. Mellon Predoctoral Fellowship , U. Pitt.	March 2023
Summer Graduate Research Grant (\$1,300), Psi Chi Intl. Honors Society in Psychology <i>Research proposal: "Associations between Dimensions of Early Life Adversity & Empathy"</i>	July 2022
Truran Award for Dissertation Research (\$500), U. Pitt. Dept. of Psychology	July 2022
Open Access Author Fund (\$3,000), U. Pitt. Library Services	Nov. 2021
Grace & David Lazovik Clinical Psychology Research Grant (\$1,000)	Oct. 2021
Student Training Award , Academy of Psychological Clinical Science	June 2021
Grad Student Council Award , Learning, Research, & Development Center	May 2021
E.B. Huey Research Grant (\$750), U. Pitt. Dept. of Psychology <i>Research proposal: "Exploring Early Life Adversity & Empathy within a Social Information Processing Model for Antisocial Behavior."</i>	Apr. 2020
Accepted into NIH-Sponsored functional Magnetic Resonance Imaging Training Course (<i>postponed to August 2022</i>)	Feb. 2020
Student Travel Award , American Psychology-Law Society	Jan. 2020
Arts and Sciences Fellowship , U. Pitt.	Sept. 2019
Wendell Phillips Senior Commencement Speaker Award <i>Speech title: "Echo chambers online & offline and their repression of empathy & growth in discourse."</i> speech available here: https://bit.ly/30785J5	Apr. 2017
Dean's List , Tufts University	2013-2017
Phi Beta Kappa Academic Honors Society	Apr. 2017
Summer Internship Grant , Tufts Career Center	May 2016
The Class of 1921 Leonard Carmichael Prize for Excellence in Psychology	May 2016
Psi Chi International Honors Society in Psychology Induction	May 2015

PUBLICATIONS

PEER-REVIEWED JOURNAL ARTICLES

- Kahhale, I., Barry, K., Hanson, J. L. (2023). Positive parenting moderates associations between childhood stress and corticolimbic structure. *PNAS Nexus*.
- Kahhale, I., Buser, Nicholas J., Madan, Christopher R., Hanson, Jamie L. (2023). Quantifying numerical and spatial reliability of amygdala and hippocampal subdivisions in FreeSurfer. *Brain Informatics*.

Bacas, E., **Kahhale, I.**, Raamana P. R., Pablo, J. R., Anand, A. S., Hanson, J. L. (2023). Probing Multiple Algorithms to Calculate Brain Age: Examining Reliability, Relations with Demographics, and Predictive Power. *Human Brain Mapping*. <https://onlinelibrary.wiley.com/doi/epdf/10.1002/hbm.26292>

Richie-Halford, A., Cieslak, M., Ai, L., Caffarra, S., Covitz, S., **The Fibr Community Science Consortium...** & Rokem, A. (2022). An analysis-ready and quality controlled resource for pediatric brain white-matter research. *Scientific Data*, 9(1), 1-27.

Kahhale, I., (2022). The Promise of Prediction: Review of Glenn & Raine, *NatRevNeuro*, 2014. Invited submission to *Nature Reviews Psychology*.

Galán, C., Tung, I., Tabachnick, A., Sequeira, S., Novacek, D. M., **Kahhale, I.**, ... Bekele, B. (2022). Combatting the conspiracy of silence: Clinician recommendations for talking about racism and racism-related events with youth of color. *Journal of the American Academy of Child and Adolescent Psychology*. <https://doi.org/10.31234/osf.io/kuryx>
Selected by JAACAP as an "Editor's Best of 2022" article.

Ong, D. C., Wu, Z., Zhi-Xuan, T., Reddan, M., **Kahhale, I.**, Mattek, A., & Zaki, J. (2019). Modeling emotion in complex stories: the Stanford Emotional Narratives Dataset. *IEEE Transactions on Affective Computing*.

Seligowski, A. V., Lebois, L. A. M., Hill, S. B., **Kahhale, I.**, Wolff, J. D., Jovanovic, T., Winternitz, S. R., Kaufman, M. L., & Ressler, K. J., (2019). Autonomic responses to fear conditioning among women with PTSD and dissociation. *Depression and Anxiety*.

MANUSCRIPTS UNDER REVIEW

Kahhale, I., Barry, R. K., Hanson, J. L., (*under review*). Empathic Accuracy Moderates the Association between Early Life Adversity and Adult Delinquency. Invited Long Abstract Submission to *Affective Science*.

Kahhale, I., Puccetti, N. A., Heller, A. S., Hanson, J. L. (*revise & resubmit*). Probing connections between social connectedness, mortality risk, and brain age: A preregistered study.

Hanson, J. L., O'Connor, K., Adkins, D. J., & **Kahhale, I.** (*under review*). Childhood Adversity and COVID-19 Outcomes: Findings from the UK Biobank.

Galán, ., Tung, I., Tabachnick, A., Sequeira, S., Novacek, D. M., **Kahhale, I.**, ... Bekele, B. (2021, March 5). Talking about Racism in the Context of the Trial against George Floyd's Murderer: Practical Recommendations for Professionals, Parents, & Clinicians. *PsyArXiv*. <https://doi.org/10.31234/osf.io/t4m7j>

MANUSCRIPTS IN PREPARATION

Kahhale, I., Barry, R. K., Hanson, J. L., (*in prep*). Empathic Accuracy Moderates Associations Between Dimensions of Early Life Adversity and Adult Antisocial Behavior.

Kahhale, I., Hanson, J. L., Raine, Adrian, Byrd, A. L. (*in prep*). Empathy and aggression subtypes among high-risk adolescents.

- Kahhale, I.,** Hackel, L. & Zaki, J., (*in prep*). The impact of victim and defendant narratives on empathy, dehumanization, and sentencing.
- Reddan, M., Ong, D. C., Wager, T. D., Mattek, S., **Kahhale, I.,** Zaki, J. (*in prep*). Dissociable Patterns of Socioemotional Input and Inference Align when Observer's are Empathically Accurate.
- Ong, D. C., Jospe, K., Reddan, M., Wu, Z., **Kahhale, I.,** Perry, A., Zaki, J. (*in prep*). People optimally and flexibly process emotional information across multiple modalities.
- Nook, E., Chwyl, C., **Kahhale, I.,** Wu, Z., & Zaki, J., (*in prep*). Interpersonal emotion differentiation.

PRESENTATIONS

Trainee authors/presenters are underlined.

TALKS & WORKSHOPS

- Kahhalé, I.,** Barry, K., Hanson, J. L. (2023). Empathic Accuracy Moderates the Association between Early Life Adversity and Adult Antisocial Behavior. Invited Data Blitz Talk at upcoming Society for the Scientific Study of Psychopathy Early Career Event, May 2023.
- Kahhale, I.,** Barry, R. K., Hanson, J. L., (2023). Empathic Accuracy Moderates the Association between Early Life Adversity and Adult Delinquency. Flash talk presented at Society for Affective Science (SAS) Meeting, April 2023.
- Symposium Chair,** Heterogeneity in Externalizing Psychopathology: the Contribution of Multiple Etiological Pathways across Childhood and Adolescence (2023). Society for Research in Child Development (SRCD) biennial meeting symposium, March 2023.
- Kahhale, I.,** Hanson, J. L., Raine, Adrian, Byrd, A. L. (2023). Associations between Empathy and Aggression Subtypes in High-Risk Adolescents. Symposium talk at SRCD biennial meeting, March 2023.
- Galán, C., Boness., C., Sequeira, S., **Kahhale, I.,** Gonzalez, C. J. (2022). Workshop on "Prioritizing Anti-Racism in Our Research and Professional Development: Lessons Learned from Scholars for Elevating Equity and Diversity (SEED)". *Journal of Clinical Child and Adolescent Psychology* Future Directions Forum, June 2022.
- Reddan, M., Ong, D. C., Mattek, A., **Kahhale, I.,** Zaki, J. (2022). Brain representations of socioemotional information: the separation of input and inference. Talk presented at the International Society for Research on Emotions Conference, Los Angeles, CA.
- Boness., C., Gonzalez, C. J., **Kahhale, I.,** (2022). Combatting the Conspiracy of Silence: Recommendations for Talking about Racism-Related Events. Invited Workshop for Clinical Psychology PhD Students at Palo Alto University. May 2022.
- Kahhale, I.,** (2021). Probing Associations between Childhood Maltreatment, Brain Connectivity, and Later Antisocial Behavior. University of Pittsburgh Clinical Research Seminar. October 29, 2021.
- Kahhale, I.,** , Hackel, L., & Zaki, J. (2020). The impact of victim and defendant narratives on empathy, dehumanization, and sentencing. Data Blitz talk at the 2020 American Psychology-Law Society Annual Conference, in New Orleans, Louisiana, March 5-7, 2020.

POSTERS

- Kahhale, I.,** Barry, K., Hanson, J. L. (2023). Empathic Accuracy Moderates the Association between Early Life Adversity and Adult Antisocial Behavior. Poster accepted for upcoming Society for the Scientific Study of Psychopathy Early Career Event, May 2023.
- Kahhale, I.,** Barry, K., Hanson, J. L. (2023). Positive Parenting Moderates Associations between Childhood Stress and Corticolimbic Structure. Poster presented at SRCDD biennial meeting, March 2023.
- Smith, C., **Kahhale, I.,** Hanson, J.H. (2021). Investigating Associations between Childhood Maltreatment, Cortical Thickness, and Surface Area. University of Pittsburgh Psychology Department Undergraduate Student Research Poster Session. April 14, 2021.
- Kahhale, I.,** Hackel, L., & Zaki, J. (2019). Mock juror exposure to two sides in a criminal case. Poster at the Annual Society for Personality and Social Psychology Conference, Portland, OR.
- Kahhale, I.,** Lebois, L., Bigony, C., Wolff, J., Winternitz, S., Ressler, K., Kaufman, M. (2017). The fear response in dissociative identity disorder: An acoustic startle response study. Poster at the International Society for the Study of Trauma and Dissociation Conference, Arlington, VA.

RESEARCH EXPERIENCE

- Project Coordinator,** *Stanford Social Neuroscience Lab,* Stanford University Sept. 2017 – June 2019
- Advisor: Dr. Jamil Zaki, PhD
 - Worked on the design, data-collection, and analyses for a multi-site, R01-funded project on the neural and computational bases of naturalistic emotion inference
 - Leveraged restricted-access archival data on over 12 million national incarceration records to explore impact of perspective taking on prison sentence recommendation
- Research Assistant,** *Ressler Neurobiology of Fear Lab,* Harvard/McLean Hospital Jun. 2016 – May 2017
- Advisors: Dr. Kerry Ressler, MD PhD, Dr. Lauren A. M. Lebois, PhD
 - Completed independent honors thesis project assessing the fear response in women with a history of chronic childhood abuse and maltreatment
- Research Assistant,** *PTSD Neuroimaging Lab,* Tufts University Sept. 2015 – Dec. 2015
- Advisor: Dr. Lisa Shin, PhD
 - Ran statistical comparisons on Diffusion Tensor Imaging data
 - Assisted with U.S. Army-funded research on the therapeutic utility of Transcranial Direct Current Stimulation
- Research Assistant,** *Early Childhood Cognition Lab,* MIT May 2015 – Aug. 2015
- Advisor: Dr. Laura Schultz, PhD, Melissa Klein
 - Collected and coded video data from children at the Boston Children's Museum

CLINICAL EXPERIENCE & TRAINING

Clinical Extern, *Services for Adolescents and Families (SAFE)* and *Services Aimed at Fire Education and Treatment for Youth (SAFETY)* and *Alternative for Families Cognitive Behavioral Therapy (AF-CBT) Program*
U. Pitt. Medical Center (UPMC) Western Psychiatric Institute & Clinic (WPIC) May 2023 – present

- Supervisor: Dr. David Kolko, PhD ABPP
- Conduct clinical assessment, consultation, and treatment of juvenile sexual and fire-setting offenders (ages 10-18) court-mandated to treatment using Cognitive-Behavioral Therapy, Parent Management Training, and family therapy techniques
- Attend weekly collaborative treatment team meetings with probation officers to review program and case progress

Clinical Extern, *Pediatric Neuropsychology*, UPMC Children's Hospital May 2023 – present

- Supervisor: Dr. Sarah Laughlin, PhD
- Conduct weekly pediatric neuropsychology outpatient evaluations with individuals ages 3-25 presenting with a variety of concerns including traumatic brain injury, stroke, and epilepsy
- Responsibilities include designing test battery, administering, scoring, and interpretation of neuropsychological tests, writing of integrated reports, and providing feedback to patients and families

Assessing Clinician, U. Pitt., *Clinical Psychology Center* Aug. 2021 – present

- Supervisors: Dr. Jill Cyranowski, PhD; Dr. Andrew Koffmann, PhD
- Conduct neuropsychological testing for both adult and child clients for a variety of concerns including ADHD evaluations, learning disability, and memory impairment

Clinical Extern, *Services for Teens at Risk (STAR)*, UPMC WPIC Aug. 2022 – June 2023

- Supervisor: Maria Anderson, LCSW
- Conduct assessment interviews with adolescents (ages 13-18) and college students (ages 18-24) with depression, anxiety, and suicidality; co-lead STAR IOP groups; co-lead outpatient psychoeducation/supportive groups; individual outpatient therapy

Study Clinician, *Families, Emotions, Neuroscience, & Development Laboratory* May 2022 – May 2023

- Conduct diagnostic interviews (i.e., K-SADS) and suicide risk and safety assessments with Teen SCREEN Study participants (adolescent girls ages 13-17 with recent suicidality and/or self-injurious behaviors)
- Serve 1-2 days a week as the on-call clinician responsible for responding to reports of suicidality during daily life assessments by conducting follow-up phone interviews, making safety plans, consulting with supervisors, and facilitating referrals

Peer Supervisor, U. Pitt., *Clinical Psychology Center* May 2022 – Dec. 2022

- Mentor and supervise student clinician on learning clinic procedures, managing caseload, and developing skills as clinician 1 hour/week

Individual Child CBT Psychotherapist, U. Pitt., *Clinical Psychology Center* Jan. 2022 – Dec. 2022

- Supervisors: Dr. Barbara Baumann, PhD; Dr. Jennifer Silk, PhD

- Clinic Assistant**, U. Pitt., *Clinical Psychology Center* Jan. 2022 – Aug. 2022
- Support departmental clinic through managing calls from current clients, conducting phone intake for new clients, and assisting student clinicians with clinic tasks (i.e., notes, assessments)
- Individual Adult CBT Psychotherapist**, U. Pitt., *Clinical Psychology Center* Nov. 2020 – present
- Supervisors: Dr. Jill Cyranowski, PhD; Dr. Kathryn Roecklein, PhD

TEACHING EXPERIENCE

ACADEMIC TEACHING

- Graduate Teaching Assistant**, *Intro. to Psychology*, U. Pitt. Aug. 2022 – Dec. 2022
- *Graduate Teaching Assistant*, held weekly office hours to support students, hosted exam review sessions, and graded exams & papers
- Instructor of Record**, *Intro. to Social Psychology*, U. Pitt. June 2021 – Aug. 2021
- Organized and taught a virtual course with both synchronous and asynchronous components, integrating multiple platforms including Panopto, Canvas, and Top Hat
- Guest Lecturer**, *Intro. to Psychology*, U. Pitt.
- Lecture: Childhood Maltreatment & the Brain October 2021
 - Lecture: Childhood Maltreatment & the Brain April 2021
 - Lecture: The Stress Response & Adverse Childhood Experiences March 2020
- Graduate Teaching Assistant**, *Intro. to Psychology*, U. Pitt. Jan 2020 – April 2020
- *Graduate Teaching Assistant*, held weekly office hours to support students, hosted exam review sessions, and graded exams & papers
- Undergraduate Teaching Assistant**, *Intro. to Psychology*, Tufts University Aug. 2016 – Dec. 2016
- Held weekly office hours, graded exams & papers, and provided feedback

COMMUNITY-BASED TEACHING

- Volunteer Instructor**, *HOPE Pre-Release Program*, Allegheny County Jail March 2020 – present
- Teach a weekly Anger Management course based on Cognitive & Behavioral Therapy principles to a group of inmates
- Workshop Facilitator**, *University Counseling Center*, U. Pitt. June 2020 – Aug. 2020
- Led virtual workshops on stress management, mindfulness, and a variety of other topics aimed at helping students cope with the COVID-19 pandemic
 - Developed three workshops on topics related to self-care including practicing gratitude, engaging in hobbies, and regulating autonomic nervous system activity
- Tutor**, *Gwen's Girls*, Pittsburgh, PA May 2020 – Aug. 2020
- Provide weekly academic support to young women from underprivileged backgrounds during the COVID-19 pandemic
- Volunteer Instructor**, *Fresh Lifelines for Youth*, Santa Clara County, CA Dec. 2018 – Apr. 2019
- Taught weekly class (12-week curriculum) to at-risk youth on relevant laws & legal policies

Volunteer Tutor, *Each One Reach One*, San Mateo, CA

Jan. 2018 – Jan. 2019

- Served as weekly GED tutor to incarcerated juvenile males in Juvenile Justice Center

SERVICE

ACADEMIC SERVICE

Co-Leader, *Psychology Equity, Inclusion, and Community Committee*,
Clinical Subgroup, U. Pitt.

April 2021 – present

- Work with department leadership to advance diversity & equality into research and practice
- Co-lead Cultural Humility Club for training student clinicians

Graduate Advisor, *Psi Chi U. Pitt. Chapter*

April 2021 – present

- Advise and support undergraduate members of Psi Chi weekly in planning speaker engagements, professional development workshops, and other events

Contributing Author, *Scholars for Elevating Equity and Diversity (SEED)*

Nov. 2020 – present

- Co-author publications in collaboration with other scholars centering on issues of diversity, equity, and inclusion

Member, *Psychology Equity, Inclusion, and Community Committee*, U. Pitt.

July 2020 – present

- Contributed to an open letter to the University's Executive Committee with recommendations on how to increase diversity and equity within the university
- Work on outreach and culturally informed initiatives within the Clinical Area part of the committee's clinical subgroup

Editor, *Application Statement Feedback Program (ASFP)*

Oct. 2022

- Provided constructive & supportive feedback on 4 personal statements for individuals with identities underrepresented in psychology for the 2022-2023 PhD application cycle

Peer Reviewer, *Journal of Emerging Investigators (JEI)*

June 2020 – Sept. 2022

- Volunteer as a peer reviewer for an open-access journal publishing research from middle and high school students

Grad Council Rep., *Learning Research & Development Center*, U. Pitt.

Sept. 2019 – Sept. 2022

- Nominated to represent Developmental Psychology grad. students at U. of Pittsburgh
- Manage annual budget of \$1,000 and organize activities for graduate students
- Served as **Grad Council Leader** from Jan. 2022 – Sept. 2022

Graduate Mentor, *Hot Metal Bridge Post-Bac Program*, U. Pitt.

July 2021 – May 2022

- Serve as a mentor to a post-bac student from a traditionally underrepresenting group in order to bridge the gap to academia
- Contribute to weekly professional development seminars

Peer Mentor, *Psychology Department*, U. Pitt.

June 2020 – June 2021

- Mentor an incoming graduate student on balancing the various demands of graduate school, seeking out funding sources, and setting personal and professional goals

- Grad Student Rep.**, *Clinical Psychology Area*, U. Pitt. May 2020 – May 2021
- Nominated to represent graduate students in the clinical psychology area through attending faculty meetings, organizing events, and relaying concerns
- Undergraduate Honors Thesis Mentor**, *Psychology Department*, U. Pitt. Sept. 2020 – May 2021
- Serve as the graduate student mentor for an undergraduate writing a thesis on adverse childhood experiences & physical health outcomes
- Mentor**, *Society for Clinical Child & Adolescent Psych.* (Division 53) March 2020 – March 2021
- Communicate with undergraduate mentee monthly, providing professional and personal development guidance

COMMUNITY-BASED SERVICE

- Assistant Coach**, *Girls on the Run*, Pittsburgh, PA Spring 2020, Spring 2021
- Coach a team of girls (3rd-7th grade) on body positivity, confidence, and healthy lifestyles
 - Coordinate and lead team practices, culminating in an end-of-season 5K run
- Hotline Counselor**, *Crisis Intervention & Suicide Prevention Center*, CA Jan. 2018 – May 2019
- Volunteered weekly as a suicide, drug, and alcohol abuse phone counselor for San Mateo county in California
- Hotline Counselor**, *Ears for Peers*, Tufts University, Aug. 2015 – May 2017
- Volunteered as a phone counselor for Tufts students to anonymously discuss concerns

METHODOLOGICAL WORKSHOPS & COURSEWORK

Graduate Coursework

Data Science for Psychology and Neuroscience (<i>Carnegie Mellon University</i>)	Spring Term 2022
Behavioral Neuroscience	Fall Term 2021
Structural Equation Modeling	Spring Term 2021
Advanced Statistics II	Spring Term 2020
Advanced Statistics I	Fall Term 2019

Workshops

Group Iterative Multiple Model Estimation (GIMME), APA Workshop	April 6, 2023
Applied Machine Learning in R, Pittsburgh Summer Methodology Series	July 19–23, 2021
Brain Connectivity Workshop: Consciousness & Cognition	May 25-28, 2021
Structural Equation Modeling, Curran-Bauer Analytics	May 10-12, 2021
Structural Equation Modeling, Curran-Bauer Analytics	May 6-8, 2020
Data Wrangling in R, Stanford University Workshop	Feb. 2018
Intro to Python, Stanford University Workshop	Jan. 2018
MRI Scanner Operator Certification, Stanford Center for Neurobiological Imaging	June 2018

SKILLS

Data Collection & Analysis

- R and R Studio for data wrangling and statistics
 - Structural Equation Modeling (SEM) using {lavaan}
 - Machine Learning using {caret}, {tidymodels}
- Neuroimaging data collection & analysis
 - DSI Studios, FreeSurfer

Clinical Interviews

- The Structured Clinical Interview for DSM-IV Clinician Version (SCID-5-CV)
- The Mini International Neuropsychiatric Interview (MINI)
- The Schedule for Affective Disorders and Schizophrenia for School-Age Children - Present and Lifetime Version (K-SADS-PL)

Cognitive Assessments

- Wechsler Adult Intelligence Scale (WAIS-IV)
- Wechsler Intelligence Scale for children (WISC-V)
- Wechsler Individual Achievement Test (WIAT-III)
- Minnesota Multiphasic Personality Inventory II (MMPI-II)

Languages

- Lebanese Arabic (native speaker), Spanish (proficient)

CLINICAL WORKSHOPS, CERTIFICATIONS, & CLEARANCES

Cultural Humility Peer Discussion Group	Aug. 2020 – present
Monthly meetings led by student clinicians at the University of Pittsburgh	
Basic Training in Child Trauma	July 2022
UPMC Western Behavioral Health, Theiss Center for Child and Adolescent Trauma (3 hrs.)	
Integrating Diversity Factors into Evidence-Based Treatments	March 2022
Dr. Anu Asnaani, PhD, <i>University of Utah</i> (3 hrs.)	
Motivational Interviewing Workshop	Sept. 2021
Allegheny HealthChoices (14 hrs.)	
Developing Therapists' Multicultural Orientation Through Intentional Practice	June 2021
Dr. Jesse Owen, PhD, <i>University of Denver</i>	
U. Pitt. Psychology Department Empathy Training	Jan. 2021
The University of Pittsburgh, Professor Karina Schumann, PhD. (1 hr.)	
A Practical Guide to Providing Telepsychology with Minimal Risk	Aug. 2020
The National Register of Health Service Psychologists (3 hrs.)	
Telepsychology Best Practices 101	Aug. 2020
Clinical Evaluation and Care: Cultural Competencies; Documentation (2 hrs.)	
About the Tech: Video, Email, Text Messaging, & Apps (2 hrs.)	
Legal, Regulatory, & Ethical Rules of the Road (2 hrs.)	

Anti-Racism Training	June 2020
The Diversity and Resiliency Institute of El Paso (6 hrs.)	
Trauma-Focused Cognitive Behavioral Therapy Training	May 2020
TF-CBT Web 2.0 (11 hrs.)	
Identifying and Addressing Intimate Partner Violence in Clinical Practice	Feb. 2020
University of Pittsburgh, Dr. Patricia Cluss, PhD	
FBI Criminal Background Check	Oct. 2019
Pennsylvania State Criminal Background Check	Oct. 2019
Pennsylvania Child Abuse History Certification	Oct. 2019
Pennsylvania Mandated Reporting Training	Sept. 2019
Recognizing & Reporting Child Abuse (3 hrs.)	
Mental Health First Aid Certification	June 2018
Mental Health First Aid USA (8 hrs.)	
National Hotline Counselor Certification	Jan. 2018
Crisis Intervention & Suicide Prevention Center (48 hrs.)	

PROFESSIONAL MEMBERSHIPS

Society for the Scientific Study of Psychopathy (SSSP)	2022 – present
Flux Society (Developmental Cognitive Neuroscience)	2020 – present
American Psychological Law Society (AP-LS)	2019 – present
American Psychological Association (APA)	2019 – present
Psi Chi, the International Honor Society in Psychology	2017 – present
Social and Affective Neuroscience Society	2017 – present
Society for Personality and Social Psychology	2017 – 2019