

## **Transdiagnostic Attention Intervention (TRAIN) Lab**

*Faculty Mentor: Mikael Rubin, PhD*

Lab website: <https://www.trainlab.org/>

**The Transdiagnostic Attention Intervention Lab focuses on three main areas:**

- Interventions that address transdiagnostic feature of mental health
- Use of a range of technological platforms and approaches for interventions: telehealth, virtual reality, augmented reality, and self-guided internet-based, eye-tracking
- Responsible Use of Large Language Models and Generative AI

**Students will have the opportunity to take part in the research process at all levels:**

- Original intervention research (development of an intervention, psychological assessment, intervention administration, data analysis, and presentation/publication)
- Assessment/intervention research using wide range of technologies
- Secondary analyses of existing datasets utilizing a range of statistical approaches (e.g., Bayesian multilevel modeling, network analysis, etc.)
- Obtain intervention and assessment hours as part of the lab supplemental practicum that I supervise.

**Ongoing research efforts include:**

- Virtual reality/Augmented Reality for the treatment of social anxiety
- Self-guided internet-based treatment for social anxiety
- Online Writing Intervention for PTSD
- Testing chatbot based mental health assessment (eevalbot)

**Expectations:**

- Attend and participate in weekly lab meetings (Mondays at 10am)
- Individual meetings at least 1x/month
- Ongoing contribution to at least one research project (based on the best fit between student interest and project/lab needs)
- Involvement in conference presentations and publications

**How to Apply:** email the following to [mrubin@paloaltou.edu](mailto:mrubin@paloaltou.edu)

- Curriculum Vitae (CV)
- Research Proposal from Research Methods Course – no need to make edits or changes
- Very Brief Letter of Interest (briefly describe prior research experience, research fit with the lab, and long-term goals. Also, note any experience/interest in statistics, computer software/programming, and technologies like virtual or augmented reality)

*Select students will be invited to interview to learn more about their possible fit with the lab. Accepted students will be notified on the PAU uniform notification date.*