

PSY 390 Research Opportunity

Faculty member or graduate student

Dr. Sean P. Lane, Assistant Professor of Clinical Psychology, Mathematical & Computational Psychology, and Social Psychology

Alexander W. Pedersen, Lab Manager and Meta Team Leader

Description of research area

Research in our lab focuses on the development of quantitative models of personality and psychopathology. Current projects include a range of substantive areas, such as alcohol use, PTSD, BPD, and narcissism, linked by common themes such as transdiagnostic constructs and processes (e.g., emotion regulation). Our laboratory is invested in interdisciplinary collaboration, the promotion of empirically-based classification/diagnostic systems, and the Open Science movement. Finally, our laboratory is involved in development and dissemination of quantitative methods tools to assist end-users in their implementation in research and practice, including a meta-analysis on Cognitive Behavioral Therapy (CBT) and Naltrexone in the treatment of Alcohol Use Disorder (AUD).

Description of summer undergraduate participation

Research tasks will be commensurate with experience and ability. We are looking for students to assist in writing manuscripts and potentially assist with running online experimental paradigms. *Ideal applicants should love:*

- Statistics and science best practices (e.g., Open Sciences)
- Research methodology and design of psychological studies
- Reading tons of peer-reviewed research
- Scientific writing in APA style

Experiences will include procuring and organizing empirical papers to be included in manuscripts, conducting literature reviews, training in how to read research papers for relevant data, and synthesizing pertinent study information within and across studies. Students will receive mentorship toward career goals and training in data analysis, study design, and presentational skills. Minimum hours for this project are 6 per week (2 research cr. hrs.) but 9 per week (3 research cr. hrs.) are preferred. **Preference qualifications:** 1 statistics course, 3.5 GPA+

Research setting

Work may be completed in the Psychological Sciences building or remotely, depending on the task and the student's level of experience. Much of the work will require some level of in-person participation due to the nature of the work and to enable feedback in real time. However, all in-person work will include appropriate social distancing and the use of masks, per Protect Purdue guidelines.

Number of assistants needed

5

Contact information

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To apply

Submit your CV/resume, unofficial transcript, a brief description of research interests and career goals, and the total number of hours you would like to work per week (in the lab and/or from home).

Additional comments

Individuals who are interested in pursuing careers in academic research, in substance use treatment, and/or in quantitative methods, are particularly encouraged to apply. Incomplete applications will not be reviewed.