PSY 390 Research Opportunity- Fall 2021

Faculty member or graduate student

Dr. Sean P. Lane, Assistant Professor of Clinical Psychology, Mathematical & Computational Psychology, and Social Psychology
Skye C. Napolitano, M.A., Clinical Psychology Graduate Student

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 undergraduate participation for meta-analysis

Research tasks will be commensurate with experience and ability. New students in the lab working on the AUD meta-analysis will gain valuable, transferable skills working as part of a team to complete an in-depth meta-analysis from the ground up. *Ideal applicants should love:*

- Statistics and science best practices (e.g., optimizing power in research designs)
- Research methodology and design of psychological studies (e.g., in AUD)
- Reading tons of peer-reviewed research

Experiences will include procuring and organizing empirical papers to be included in analyses, coding data in included papers, and extracting all pertinent study information. Additional responsibilities, such as data cleaning, data analysis, and programming will be available for advanced students. Students will receive mentorship toward career goals and training in data analysis, study design, and presentational skills. Minimum hours for this project are 6/week (2 research cr. hrs.) but 9/week (3 research cr. hrs.) are preferred. *Preference qualifications:* 2 statistics courses, 3.25 GPA and up

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 coding 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

4

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). *Incomplete applications will not be reviewed.*

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.