

Keegan Buch

2250 Alcazar St., Ste. 2200, Los Angeles, CA 90033

Phone: (323) 803-8671 E-Mail: Keegan.Buch@med.usc.edu

EDUCATION

University of California, Los Angeles **2018 – 2022**

Cumulative GPA: 3.985

Major: Psychology, B.A.

Summa Cum Laude

Phi Beta Kappa Honors Society

Departmental Honors Thesis: Impact of Varenicline and Naltrexone on Withdrawal and Craving for Nicotine and Alcohol Among Heavy-Drinking Smokers (Thesis Advisor: Lara A. Ray, Ph.D.)

HONORS AND AWARDS

Early Career Addiction Science Showcase Meritorious Post-Bac Presentation **2023**

Awarded for an oral presentation given at the USC Institute for Addiction Science's Early Career Addiction Science Showcase.

Dean's Honors List, UCLA **2018 – 2022**

This award is presented to students who have demonstrated high scholastic achievement for earning a 3.75 GPA in any one term with at least 12 letter grade units; earned for all completed terms not including Spring 2022 due to taking a course for a Pass/No Pass grade.

National Institute on Drug Abuse (NIDA) Summer Research Internship Program 2021

Accepted into the NIDA Summer Research Internship Program 2021 cohort. The internship program provides a maximum stipend of \$4,800 for eight (8) weeks (\$15.00 per hour) of addiction-related research under the supervision of NIDA-funded scientists at universities across the United States. I worked under Dr. Brian Mustanski of Northwestern University.

Psychology Departmental Honors Program, UCLA **2021 – 2022**

Accepted into the Psychology Departmental Honors Program 2021-2022 cohort at UCLA. Under the supervision of Dr. Lara Ray and utilizing data from the UCLA Addictions Lab, I completed an undergraduate honors thesis in Spring 2022.

RESEARCH EXPERIENCE

Post-Baccalaureate Project Specialist, Keck School of Medicine, **2022 – Present**
University of Southern California

Prevention, Early Intervention, and Addictions Recovery Lab (PEARL)

Principal Investigator: Eric Pedersen, Ph.D.

- Lab manager overseeing lab projects and general administrative tasks
- Assisting with multiple research studies regarding substance use and mental health among young adults and/or U.S. veterans, brief online intervention development
- Writing research papers utilizing data from completed studies within the lab, specific focus on data from sexual and gender minority participants
- Primary research project coordinator for the Project BRAVE study, leading recruitment and retention of 800 participants and programming surveys in Qualtrics

- Supervisor/mentor to 6 undergraduate student research assistants (Aidan Scanlan, Devin Ayala, Alice Phung, Michael Bernardo, Seth Houghton, Olivia Newell)

Undergraduate Research Assistant, UCLA Psychology Department 2019 – 2022
UCLA Addictions Laboratory

Principal Investigator: Lara Ray, Ph.D.

- Projects: Ibudilast Alcohol Study (R01); Ibudilast Daily Diary Assessment Study (DDA); Practice Quit Study (R21)
 - Worked for 10 hours per week during academic quarters, with tasks including: (1) Conducting over-the-phone interviews to screen potential participants for lab’s studies investigating potential treatments for alcohol use disorder; (2) Entering and double-checking data on SPSS; (3) Performing urinalysis for participants’ drug screenings; (4) Conducting in-person behavioral interviews with participants for the R01 and R21 studies to determine medical screening visit eligibility; (5) Creating questionnaire packets, making copies, scanning documents as needed. Beginning in 2022, position was changed to paid position Student Worker I.

Undergraduate Research Assistant, UCLA Psychology Department 2020 – 2022
The Brain and Body Lab

Principal Investigator: Bridget Callaghan, Ph.D.

- Project: Mind, Brain, and Body Study (MBB)
 - (1) Entering and double-checking participant data on REDCap for the Mind, Brain, and Body study, a multi-year study exploring the ways early life experiences influence physical and emotional health across child and adolescent development ; (2) Leading participant recruitment efforts through community outreach; (3) Creating mental health “report cards” for the children participating in the Mind, Brain, and Body study; (4) Screening surveys for gender-neutral and sensitive language; (5) Attending weekly lab and RA meetings.

NIDA Summer Research Intern, Northwestern University 2021
Institute for Sexual and Gender Minority Health and Wellbeing

Principal Investigator: Brian Mustanski, Ph.D.

Internship Supervisor: Tony Johnson, M.P.H.

- Project: RADAR Study
 - (1) Completion of a research paper analyzing and comparing alcohol use habits between transgender and cisgender participants in the RADAR study, which investigates the connections between sexually transmitted infections, substance use, and romantic relationship patterns over time among young men who have sex with men (YMSM) and transgender women; (2) Assistance with participant recruitment; (3) Updating participant list for IRB continuing review; (4) Weekly meetings with supervisor and regular meetings with principal investigator.

Student Worker (Paid), UCLA Luskin School of Public Affairs 2019 –2020

The Hub for Health Intervention, Policy, and Practice (HHIPP)

Principal Investigator: Ian Holloway, Ph.D.

- Projects: LGBTQIA+ Tobacco Project; LINX LA Study
 - (1) Audio transcription of participant interviews for LGBTQIA+ Tobacco Project, which examined tobacco usage among LGBTQIA+ identifying individuals; (2) Qualitative coding of participant interviews on Dedoose for LGBTQIA+ Tobacco Project; (3) Assistance with social media outreach efforts; (4) Writing articles about self-care to be posted to the LINX app for the LINX LA Study, which investigated the use of a phone app to connect Black HIV+ men who have sex with men (MSM) to resources (e.g., PrEP resources); (5) Attending weekly lab meetings.

California HIV/AIDS Policy Research Centers (CHPRC)

Supervisors: Ian Holloway, Ph.D.; Ayako Miyashita, J.D.

- Project: Evaluating Trauma-Informed Care Practices Among HIV Care Providers in California
 - (1) Audio transcription of participant interviews; (2) Attending meetings with research team to discuss principles of trauma-informed care.
- Other responsibilities: social media posting (i.e., promoting new publications, making and posting infographics, promoting events).

Other

- Working directly under Dr. Holloway's supervision, I prepared PowerPoint presentations and course syllabi for Dr. Holloway's Masters in Social Work (MSW) courses.

Research Assistant, UNLV and UCLA

2019

Principal Investigators: Paula Frew, Ph.D.; Ian Holloway, Ph.D.

- Project: Health Behavior Survey Among People Who Use Opioids
 - (1) Distribution of surveys to individuals who use opioids while working on-site at safe syringe exchange locations for 8 hours per week; (2) Creating and distributing "goodie-bags" to participants as compensation for taking the survey; (3) Working with and attending meetings with other study workers/assistants from UNLV and UCLA.

PEER-REVIEWED PUBLICATIONS

1. Davis, J. P., Pedersen, E.R., Borsari, B., Bowen, S., Owen, J., Sedano, A., Fitzke, R. E., Delacruz, J., Tran, D. D., **Buch, K.**, Saba, S. K., Canning, L., Bunyi, J. (2023). Development of a mobile mindfulness smartphone app for post-traumatic stress disorder and alcohol use problems for veterans: Beta test results and study protocol for a pilot randomized controlled trial. *Contemporary Clinical Trials*, 29, 107181. <https://doi.org/10.1016/j.cct.2023.107181>
2. Tran, D. D., Davis, J. P., Ring, C., **Buch, K.**, Fitzke, R. E., Pedersen, E. R. (2023). Informing the Development of Interventions for E-cigarette Use and Prevention of Transition to Cigarette Smoking in Young Adults: A Qualitative Study. *Preventive Medicine Reports*, 35, 102332. <https://doi.org/10.1016/j.pmedr.2023.102332>
3. Fitzke, R. E., Bouskill, K. E., Sedano, A., Tran, D. D., Saba, S. K., **Buch, K.**, Hummer, J. F., Davis, J. P., & Pedersen, E. R. (2023). Barriers and facilitators to

- behavioral healthcare for women veterans: A mixed-methods analysis. *Journal of Behavioral Health Services & Research*. <https://doi.org/10.1007/s11414-023-09862-3>
4. Fitzke, R. E., Atieh, T., Davis, J. P., Canning, L., Tran, D. D., **Buch, K.**, Hummer, J. F., & Pedersen, E. R. (2024). A latent profile analysis of social anxiety, depression, and pregaming motives among heavy-drinking college students. *Alcohol: Experimental and Clinical Research*. <https://doi.org/10.1111/acer.15221>
 5. Tran, D. D., Davis, J. P., Ring, C., **Buch, K.**, Fitzke, R. E., & Pedersen, E. R. (in press) A Deeper Dive into Young Adults' Experiences with Using E-cigarettes, E-cigarette Cessation, and Transitioning to Cigarette Smoking: A Qualitative Study. *Substance Use and Misuse*.
 6. **Buch, K.**, Fitzke, R. E., Davis, J. P., Tran, D. D., Hummer, J. F., & Pedersen, E. R. (in press) An Examination of Pregaming Behavior and Motives Among Sexual and Gender Minority College Students. *Substance Use and Misuse*.

MANUSCRIPTS UNDER REVIEW

1. Pedersen, E. R., Shute, I. M., **Buch, K.**, Fitzke, R. E., Berry, K., Tran, D. D., & Murray, S. B. Alcohol use disorder, cannabis use disorder, and eating disorder symptoms among male and female college students. Under review.

POSTER PRESENTATIONS

1. **Buch K.**, Shute, I. M., Brown, M. E., Murray, S. B., & Pedersen, E. R. (2024). Risky Drinking Behaviors among Sexual Minority Sorority Women. 12th Annual Collaborative Perspectives on Addiction Meeting, Denver, CO.
2. Shute, I. M., Fitzke, R. E., Brown, M. E., **Buch, K.**, Prince, M. A., Murray, S. B., & Pedersen, E. R. (2024). College Student Food Restriction on Alcohol Use, Cannabis Use, and Co-Use Days. 12th Annual Collaborative Perspectives on Addiction Meeting, Denver, CO.
3. **Buch, K.**, Shute, I., Murray, S. B., Fitzke, R. E., Prince, M. A., & Pedersen, E. R. (2023). Cannabis Use Disorder and Eating Disorder Symptoms among Male and Female College Students. 7th Annual Research Society on Marijuana Conference, Long Beach, CA.
4. **Buch, K.**, Fitzke, R. E., Davis, J.P., Tran, D. D., Hummer, J. F., & Pedersen, E. R. (2023). An Examination of Pregaming Behavior and Motives Among Sexual and Gender Minority College Students. 11th Annual Collaborative Perspectives on Addiction Meeting, Albuquerque, NM.
5. **Buch, K.**, Grodin, E. N., & Ray, L.A. (2022). Impact of Varenicline and Naltrexone on Alcohol Craving Among Heavy Drinking Smokers. 2022 UCLA Psychology Undergraduate Research Conference (PURC), Los Angeles, CA.
6. **Buch, K.**, Green, R., & Ray, L. A. (2021). Impact of Varenicline and Naltrexone on Nicotine Withdrawal Among Heavy Drinking Smokers. Virtual 2021 UCLA Psychology Undergraduate Research Conference (PURC), Los Angeles, CA.

ORAL PRESENTATIONS

1. **Buch, K.**, Fitzke, R. E., Davis, J.P., Tran, D. D., Hummer, J. F., & Pedersen, E. R. (2023). An Examination of Pregaming Behavior and Motives Among Sexual and

- Gender Minority College Students. 2023 Early Career Addiction Science Showcase at the USC Institute for Addiction Science, Los Angeles, CA.
2. Pedersen, E. R., Davis, J. P., Sedano, A., Bowen, S., Owen, J., Saba, S., Tran, D. D., Fitzke, R. E., Delacruz, J., **Buch, K.**, & Borsari, B. Pilot test of a mindfulness-based Relapse Prevention app for alcohol use and PTSD in veterans. Paper presented at the 11th annual Collaborative Perspectives on Addiction meeting, Albuquerque, NM, 2023.

CLINICAL EXPERIENCE

STAND For All Coaching Trainee, UCLA Depression Grand Challenge **2020 – 2021**

Training Supervisors: Brittany Drake; Dana Saifan

- Weekly training sessions on the fundamentals of Cognitive Behavioral Therapy (CBT) through the completion of online modules
- Doing role-plays and role-play demonstrations with program partners to practice what was learned in the weekly module and prepare for coaching potential participants through said module(s)
- Preparation to assist participants in STAND For All's virtual CBT program, tailored specifically for the circumstances of COVID-19
- Certifications in modules relating to worry, sleep, mindfulness, panic, etc.

PROFESSIONAL EXPERIENCE

Managing Editor, *Cannabis* (Publication of the Research Society on Marijuana) **2023 – Present**

- Management of submissions database
- Editing and finalization of manuscript proofs for publication
- Correspondence with authors for final publication of articles
- Assisting with process of indexing journal in PubMed Central (PMC)

VOLUNTEERING

Outreach Volunteer, UCLA LGBT Campus Resource Center **2018 – 2020**

- Tabling for events or in Ackerman Union, providing resources for passerby and students
- Attending weekly staff meetings to discuss volunteer opportunities, event planning, etc.
- Making/restocking supplies (i.e., making buttons)

Coordinator/Executive Board Member, Trans at UCLA Pride Club (TransUP) **2020 – 2021**

- Assistance with planning bi-weekly club meetings
- Communicating with individuals from very diverse backgrounds and gender identities
- Being a facilitator in a group environment
- Assistance in creating the club's Constitution

PROFESSIONAL MEMBERSHIPS

Research Society on Marijuana **2023 – Present**

SKILLS AND CERTIFICATIONS

- Collaborative Institute Training Initiative (CITI) – FDA Regulated Research; UCLA HIPAA; Human Research: Social & Behavioral Researchers & Staff; Human Research: Biomedical Researchers & Staff; Responsible Conduct of Research: Social and Behavioral Responsible Conduct of Research; Responsible Conduct of Research: Biomedical Responsible Conduct of Research; Good Clinical Practice
- Microsoft Office – Word, Excel, and PowerPoint
- Dedoose
- NVivo
- Statistical Package for the Social Sciences (SPSS)
- Qualtrics
- REDCap
- Canva
- Wordpress