**Dahyeon Kang, M.S.**

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**Education\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Fall 2017 – **University of Illinois at Urbana-Champaign, IL**

Doctoral Student, Clinical/Community Psychology

*Research Advisor: Catharine Fairbairn, Ph.D.*

2017 – 2019 **University of Illinois at Urbana-Champaign, IL**

M.S. in Clinical/Community Psychology, May 2019

2014 – 2017 **University of Illinois at Urbana-Champaign, IL**

B.S. in Psychology (GPA 3.91), May 2017

**Funding Activity\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**National Institute of Alcohol Abuse and Alcoholism (F31 AA028990)**

*Title*:The investigation of alcohol's effects on threat sensitivity in social context: An event-related brain potential study.

*Funding*:$139,578 (total costs)

*Project Period*: 01/2021 – 07/2024

*Sponsors*: Catharine E. Fairbairn and Kara D. Federmeier.

**Publications\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Fairbairn, C. E., **Kang, D.**, Bosch, N. (2020) Using Machine Learning for Real-Time BAC Estimation from a New-Generation Transdermal Biosensor in the Laboratory Drug and Alcohol Dependence. *Drug and Alcohol Dependence*

**Kang, D.**, Fairbairn, C. E., Ariss, T. (2019) A meta-analysis of the effect of substance use interventions on emotion outcomes. *Journal of Consulting and Clinical Psychology*

Fairbairn, C. E., & **Kang, D.** (2019). Transdermal alcohol monitors: Research, applications, and future directions. In D. Frings & I. Albery (Eds.), *The Handbook of Alcohol Use and Abuse.* Elsevier.

Fairbairn, C. E. & **Kang, D.** (2019) Temporal dynamics of transdermal alcohol concentration measured via new generation wrist-worn biosensor. *Alcoholism: Clinical and Experimental Research.*

Sirlanci, M., Luczak. E., Fairbairn, C. E., **Kang, D**., Pan, R., Yu, X., and Rosen I. G**.** (2019) Estimating the distribution of random parameters in a diffusion equation forward model for a transdermal alcohol biosensor. *Automatica.*

**Kang, D.**, Bresin, K., Fairbairn, C. E. (2018) The impact of alcohol and social context on the startle eyeblink reflex. *Alcoholism: Clinical and Experimental Research*

Fairbairn, C. E., Briley, D. A., **Kang, D.**, Fraley, R. C., Hankin, B. L., & Ariss, T. (2018) A meta-analysis of attachment security and substance use. *Psychological Bulletin*.

Fairbairn, C. E., Bresin, K., **Kang, D.**, Rosen, G. I., Ariss, T., Barnett, N. P., & Eckland, N. S. (2018) A Multimodal investigation of contextual effects on alcohol's emotional rewards. *Journal of Abnormal Psychology*

Sirlanci, M., Luczak, S. E., Fairbairn, C. E., Bresin, K., **Kang, D.**, Rosen, I. G. (2018) Deconvolving the input to random abstract parabolic systems; a population model-based approach to estimating Blood/Breath Alcohol Concentration from transdermal alcohol biosensor data. *Inverse Problems*

**Manuscripts Under Review/Preprinted\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Kang, D.**, Fairbairn, C. E., Federmeier, K., D. (In preparation) The impact of alcohol and context on the incentive salience of alcohol cues.

**Kang, D.**, Luo, M., Fairbairn, C. E. (In preparation) The impact of alcohol and social context on displayed emotions: A replication study.

Fairbairn, C. E., **Kang, D.**, Federmeier, K., D. (Under review) A Meta-Analysis of the Impact of Alcohol Consumption on Dynamic Neural Circuits.

**Conference Presentations\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Fairbairn, C. E., **Kang, D.,** Ariss, T., & Bosch, N (June 2020) *Using Machine Learning for Real-Time Alcohol Use Estimation from a New-Generation Transdermal Sensor* Conference paper to be presented at the annual meeting of Research Society of Alcoholism, New Orleans, LA

**Kang, D.,** Lee, Z., Fairbairn, C. E., & Federmeier, K., D. (May 2020). *The Impact of Alcohol and Social Familiarity on Social Processing: A P300 Study.* Conference paper to be presented at the annual meeting of the Association for Psychological Science, Chicago, IL.

Lee, Z., Mei, S., Caumiant, E., **Kang, D.,** Fairbairn, C.E., Federmeier, K. (March 2020) *The Effects of Social Stress on the Incentive Salience of Alcohol Cues: An ERP Study of Heavy Drinkers.* Conference paper to be presented at the annual meeting of the Society of Personality and Social Psychology, Atlanta, GA.

Sirlanci, M., Luczak. E., Fairbairn, C. E., **Kang, D**., Pan, R., Yu, X., and Rosen I. G**.** (July 2019). *Estimating the distribution of random parameters in a diffusion equation forward model for a transdermal alcohol biosensor.* Conference paper presented at the annual meeting of the SIAM conference on Uncertainty Quantification,

**Kang, D.,** Fairbairn, C.E., and Ariss. T. (June 2019). *The Effect of Alcohol and Substance Use Interventions on Emotion Outcomes: A Meta-Analysis.* Poster presented at the 42nd annual meeting of the Research Society on Alcoholism, Minneapolis, MN

**Kang, D.**, Maynard M., Briley D., and Fairbairn C. E. (January 2017). *A Meta-Analysis of Attachment Security and Substance Use.* Poster presented at the 16th annual meeting of the Society of Personality and Social Psychology, San Antonio, TX.

Fairbairn, C. E., Bresin, K. W., Barnett, N. P., and **Kang, D.** (June 2017). *Combining Laboratory and Ambulatory Methods to Explore Alcohol Mood-Enhancement in Social Context.* Poster presented at the 38th annual meeting of Research Society on Alcoholism, Denver, CO.

**Awards and Honors\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2019 **Honorable Mention**, National Science Foundation (NSF) Graduate Research Fellowship

2017-9 **Graduate Student Travel Award**,University of Illinois at Urbana-Champaign

2017 **Magna Cum Laude**,University of Illinois at Urbana-Champaign

2016 **Diversity Travel Award**, The Society of Personality & Social Psychology (SPSP)

2016 **Laura Bolton Research Award**,University of Illinois at Urbana-Champaign

2016 **Dean’s List**, University of Illinois at Urbana-Champaign

2015 **Dean’s List**, University of Illinois at Urbana-Champaign

**Research Positions\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Sep 2015 – Present **Alcohol Research lab, Univ. of Illinois Urbana-Champaign, IL**

*Graduate Research Assistant*

Research Advisor: Catharine Fairbairn, PhD

Jan 2016 – May 2017 **Emotions & Psychopathology lab, Univ. of Illinois Urbana-Champaign, IL**

*Undergraduate Research Assistant*

PI: Howard Berenbaum, PhD

Sep 2015 – May 2016 **Bullying lab, Univ. of Illinois Urbana-Champaign, IL**

*Undergraduate Research Assistant*

PI: Dorothy Espelage, PhD

Jan 2015 – May 2015 **Culture, Society, & Behavior lab, Univ. of Illinois Urbana-Champaign, IL**

*Undergraduate Research Assistant*

PI: Dov Cohen, PhD

**Teaching/Advising Experience \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Fall 2020 **Psychopathology and Problems in Living (PSYC 238)**

 Supervisor: Thomas Kwapil, PhD

 *Instructor*

Spring 2019 –2020 **Junior Honors Seminar (PSYC 398)**

 Supervisor: Catharine Fairbairn, PhD

*Co-advisor* for an undergraduate honor student’s Bachelor’s thesis.

Spring 2020 **Perception and Sensory Processes (PSYC 230)**

 Supervisor: Alejandro Leras, PhD

 *Teaching Assistant*

Spring 2018 **Theories of Psychopathology and Counseling (PSYC 420)**

Supervisor: Lisa Kinderman, PsyD

*Grading Teaching Assistant*

**Clinical Experience\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Sep 2020 – present

**Anxiety and Depression Clinic, University of Illinois**

*Supervisor: Lisa Kinderman, PsyD.*

Aug 2019 – May 2020

**Motivational Interviewing at Rosecrance Substance Abuse Treatment Center**

*Supervisor: Catharine Fairbairn, PhD.*

Provided one-on-one sessions with individuals enrolled in an inpatient substance use treatment program.

Aug 2019 – Aug 2020

**Mindfulness-Based Relapse Prevention Group at Rosecrance Substance Abuse Treatment Center**

*Supervisor: Christopher Menard, PsyD.*

Provide mindfulness-Based Interventions to groups of individuals enrolled in an inpatient substance use treatment program. Trained to provide the 8-week Mindfulness

May 2020 – Aug 2020

**Support Group for Korean Female Graduate Students, University of Illinois**

*Supervisor: Lydia Khuri, PhD.*

Provided weekly group counseling to a group of female Korean international graduate students.

Mar 2019 – Aug 2019

**The Illinois Neuro/Behavioral Assessment Laboratory (IN/BAL)**

*Supervisor: Kathryn Leskis, PhD.*

Provide psychological evaluations for student athletes at the University of Illinois referred by their coaching staff, associate athletic director, and/or individual psychotherapists. Trained to administer and score the following test batteries: Wechsler Adult Intelligence Scale – Fourth Edition (WAIS-IV), Wechsler Intelligence Scale for Children – Fifth Edition (WISC-V), Woodcock – Johnson Tests of Achievement – Fourth Edition (WJ-IV ACH), and Conners Continuous Performance Test 3rd Edition (CPT-3)

Aug 2018 – May 2019

**Neuropsychological Clinic at University of Illinois**

*Supervisor: Wendy Heller, PhD.*

Provide neuropsychological diagnostic assessments to adults and children with a host of referral questions. Trained to administer and score the following test batteries: WAIS-V, WJ-IV, WISC-V, Wide Range Assessment of Memory and Learning (WRAML-2), Wechsler Memory Scale 4th Edition (WMS-IV), The Test of Variables of Attention (T.O.V.A.®), Test of Visual and Auditory Attention (IVA-2), and Delis-Kaplan Executive Function System (D-KEFS) Trained to write comprehensive neuropsychological diagnostic reports.

Jun 2017 – Feb 2020

**Alcohol Research Lab at University of Illinois**

*Supervisor: Catharine Fairbairn, PhD.*

Conduct SCID-5-RV module E diagnostic interviews and Alcohol Timeline Follow Back (TLFB) to participants aged 21-30.

**Technical Skills / Specialized Training\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Behavioral Analysis**

* Facial Action Coding System (FACS) Training

**Physiological/psychophysiological Analysis**

* Secure Continuous Remote Alcohol Monitoring (SCRAM®) system
* BACtrack Skyn™
* Electroencephalography (EEG)
* Electromyography (EMP)

**Professional Membership\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

2019 ~ present **Research Society on Alcoholism (RSA)**

2018 ~present **Society for a Science of Clinical Psychology (SSCP)**

2017 ~present **Association for Psychological Science (APS)**

2016 ~ present **The Society of Personality and Social Psychology (SPSP)**

2015 ~ present **Psi Chi Society**