

Walter Graham Dyer

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Education

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| 2020-Present | Doctor of Philosophy, Clinical Psychology The Pennsylvania State University, University Park, PA |
| 2020 - 2022 | Master of Science, Clinical Psychology The Pennsylvania State University, University Park, PA <i>Thesis: "Association between Oral Contraceptive Use and Cigarette Dependence in Women who Smoke Cigarettes"</i> |
| 2013-2017 | Bachelor of Science, Kinesiology; Bachelor of Arts, Biology, <i>Cum Laude</i> Westmont College, Santa Barbara, CA |

Fellowships

Federally Funded Fellowships

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| 2022 | Penn State Clinical and Translational Science's (CTSI) Translational Science Fellowship from the National Center for Advancing Translational Sciences at the National Institutes of Health (NIH; \$7,459 award). <ul style="list-style-type: none"> • <u>Role Description:</u> Received training to conduct interdisciplinary clinical and translational research. Attended twice-weekly day-long sessions that provide foundational skills (e.g., design, analysis) and professional (e.g., communication, ethics, and teamwork) skills. |
| 2023-Present | Penn State Prevention and Methodology Training Program (PAMT; T32 DA017629) from the National Institute on Drug Abuse at the National Institutes of Health (NIH: \$32,256 award). <ul style="list-style-type: none"> • <u>Role Description:</u> Engage in training program oriented toward the development of proficiency in methodologies for substance use prevention research. |

Honors and Awards

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| 2023 | Travel Award, Penn State Psychology Department, American Psychosomatic Society (\$550) |
| 2020 | Travel Award, Penn State Psychology Department, Society for Research on Nicotine and Tobacco (\$228) |
| 2014-2017 | Dean's Honors List, Westmont College |

Publications

Book Chapters:

1. **Dyer, W.G.**, Leventhal, A.M., Goldenson, N.I. & Bello, M.S. (2019). Anhedonia in Addictive Behaviors. *Cambridge Handbook of Substance & Behavioral Addictions*.

Manuscripts in Preparation:

1. **Dyer, W.G.**, Wilson, S.J. (in preparation). Associations of Oral Contraceptives and Cigarette Dependence in Female Smokers
2. **Dyer, W.G.**, Bello, M.S., & Leventhal, A.M. (in preparation). Associations of Psychomotor Restlessness and Agitation with Tobacco Withdrawal Symptomatology in African American Smokers.
3. Cho, J., **Dyer, W.G.**, Wein, R., Daniels, A., Barrington-Trimis, J., Stone, M.D., & Leventhal, A.M., (in preparation). Influences of emotional disorders in childhood on the initiation of marijuana and tobacco use and co-use during adolescence.
4. Wakhlu, N., Bello, M.S., **Dyer, W.G.**, Ray, L.A., & Leventhal, A.M. (in preparation). Psychosocial and Behavioral Risk Profiles of Non-Hispanic African American Menthol and Non-Menthol Cigarette Smokers.
5. **Dyer, W.G.**, Wilding, H., Lee, H. H., (in preparation) Interplay between polygenic disposition to smoking and early psychosocial factors: nationally representative European- and African-Americans: findings from the Health and Retirement Study.

Published Abstracts:

1. **Dyer, W.G.**, Wilding, H., Lee, H. H., (2023) Interplay between polygenic disposition to smoking and early psychosocial factors: nationally representative European- and African-Americans: findings from the Health and Retirement Study. *Psychosomatic Medicine*

Conference Presentations

Poster Presentations:

1. **Dyer, W.G.**, Bello, M.S., Pang, R.D., & Leventhal, A.M. (2019, February). *Associations of Psychomotor Restlessness and Agitation with Tobacco Withdrawal Symptomatology in African American Smokers*. Poster presentation at the 25th annual scientific meeting of the Society for Research on Nicotine and Tobacco. San Francisco, CA.
2. **Dyer, W.G.**, Wilding, H., Lee, H. H., (in preparation; 2023, March) *Interplay between polygenic disposition to smoking and early psychosocial factors: nationally representative European- and African-Americans: findings from the Health and Retirement Study*. Poster presentation at the 80th Annual Meeting of the American Psychosomatic Society, March 8-11, 2023. San Juan, Puerto Rico.

Oral Presentations:

1. **Dyer, W.G.**, Wilson, S.J. (2021, February). *Associations of Oral Contraceptives and Cigarette Dependence in Female Smokers*. Poster presentation at the 27th annual scientific meeting of the Society for Research on Nicotine and Tobacco. Virtual.

Professional Laboratory Experience

May 2018 – February 2020: **Project Assistant**

Health, Emotion, and Addiction Laboratory, Keck School of Medicine of USC, Department of Preventive Medicine

Principal Investigator: Adam Leventhal, Ph.D.

- Role Description: Full-time position as Project Lead for a three-year funded experimental laboratory study: *Psychopathology Research Investigating Smoking Mechanisms* (PRISM; Tobacco-Related Disease Research Program of the University of California, Grant #: 28IR-0063)
- Study Description: Study seeks to identify salient pharmacological and behavioral mechanisms of tobacco dependence on a person-specific level, and to identify which types of psychopathological characteristics (e.g., obsessive-compulsive symptoms) associate with different phenotypic expressions of tobacco dependence to improve precision-medicine clinical interventions for daily cigarette smokers
- Study Lead Responsibilities: Submit study procedures and monitor review processes with the University of Southern California Institutional Review Board (IRB), U.S. Food and Drug Administration (FDA), and clinicaltrials.gov, assist with IRB amendments and continuing reviews, manage participant payment system, develop agendas and lead study meetings with study staff, discuss with P.I. ways to improve study procedure methods and troubleshoot problems, present study progress updates at laboratory staff meetings, train other staff members and student research assistants on administering the protocol.
- Data Collector and Experimenter Responsibilities: Screen and schedule participants for laboratory visits, track data and study engagement for each participant, develop and oversee study procedural operations (e.g. program survey software [REDCap], build cognitive tasks using task software [E-Prime], procure and apply study materials [FDA research cigarettes; nicotine patches]), and clean experimental data for laboratory meetings (SPSS).
- Laboratory Staff Administrative Responsibilities: Manage laboratory website, developed USC Smoking Cessation website, assist with management of Student Research Assistant (SRA) program, mentor three SRAs, cross-communicate with other staff members to present updates during laboratory meetings, provided interim administrative support for USC's cross-school addiction research coalition, the USC-Institute for Addiction Science (e.g. meeting organization and coordination, membership information management, membership networking facilitation).

Professional Clinical Experience

May 2018 – February 2020: **Project Assistant**

Health, Emotion, and Addiction Laboratory, Keck School of Medicine of USC, Department of Preventive Medicine

Principal Investigator: Adam Leventhal, Ph.D.

- Administer the Yale-Brown Obsessive-Compulsive Scale (YBOCS) clinical interview to determine severity of participants' obsessive-compulsive symptoms

September 2017 – May 2018: **Behavioral Therapist**

Behavioral Healthworks

- Engaged children and adolescents with Autism Spectrum Disorder (ASD) through Applied Behavior Analysis (ABA) in an in-home therapeutic setting.
- Assisted with the development and implementation of clients' Behavior Intervention Plans designed to decrease the prevalence of maladaptive behaviors and promote the cultivation of self-help, social, and play skills

- Developed individualized therapeutic strategies to facilitate clients' mastery of skills based on their specific learning styles (e.g., naturalistic, discrete trial training)
- Led parent consultation training sessions in both didactic and applied settings that aimed to equip parents of children with ASD with ABA skills to be utilized during parent-child interactions
- Collected precise in-session data on clients' progression through their intervention plan
- Confidentially cross-communicated with parents, Behavior Analysts, and teachers regarding client needs and program progression

Volunteer Experience

January 2018 – June 2018: **Research Assistant**

Health, Emotion, and Addiction Laboratory, Keck School of Medicine of USC, Department of Preventive Medicine

Principal Investigators: Adam Leventhal, Ph.D., Raina Pang, Ph.D

- Interacted with potential participants via phone and in-person to determine preliminary study eligibility, scheduled participants for in-person study visits, prepared facilities for experimental sessions, and assisted with the organization of psychometric data for past laboratory studies
- Created psychometric scoring system codebook for an experimental psychopathology laboratory study: *Menstrual cycle effects on response inhibition in smoking* (Tobacco-Related Disease Research Program of the University of California, Grant #: 22FT-0062)

December 2016 – August 2017: **Restorative Learning Center Volunteer**

Mental Wellness Center, Santa Barbara, CA

- Co-led discussion-based support groups for individuals with Severe Mental Illness, assisted with survey data collection in a project to inventory Santa Barbara residents facing homelessness
- Interfaced with members during lunch and free-time to facilitate and promote prosocial behaviors

May 2014 – August 2014: **Research Assistant**

Sue and Bill Gross Stem Cell Research Center (University of California, Irvine)

- Analyzed DNA and samples via gel electrophoresis and western blots
- Performed and reported results from protein assays to laboratory staff members
- Prepared slides for cell imaging
- Assisted with image analysis

Teaching & Mentoring Experience

June 2018 – February 2020: **Project Assistant**

Health, Emotion, and Addiction Laboratory, Keck School of Medicine of USC, Department of Preventive Medicine

- Assist with management of the Student Research Assistant (SRA) program (e.g., SRA recruitment & interviewing)
- Train SRAs on administering phone-based eligibility screenings, study visit scheduling, administering study protocols during study sessions

- Promote SRAs' development of professional skills (e.g., interfacing with participants, communicating with faculty members)
- Regularly meet with three of the SRAs to help facilitate their achievement of professional and academic goals related to their participation in our laboratory (e.g. applying for fellowships, manuscript & poster submissions)

August 2016 – May 2017: **Teaching Assistant** (Microbiology)

Westmont College, Department of Biology, Santa Barbara, CA

- Provided students with feedback on their work to integrate microbiology theory and laboratory practice
- Prepared cultures and gel-agarose plates in preparation for laboratory sessions
- Co-led laboratory lectures
- Critiqued students' independent research projects

August 2015 – May 2017: **Teaching Assistant** (Human Anatomy)

Westmont College, Department of Kinesiology, Santa Barbara, CA

- Assembled and presented weekly lessons for the laboratory portion of this course
- Developed innovative didactic strategies to aide students during laboratory dissections

Journal Review

Ad-hoc Reviewer, *Addictive Behaviors*

Membership in Academic or Professional Organizations

Graduate Student Affiliate - American Psychological Association – Divisions 28 (Psychopharmacology and Substance Abuse), and 50 (Addiction Psychology)

Service

Psychology Department DEI (Diversity, Equity, and Inclusion) Committee

- Graduate Student Member of the Education and Dialog subcommittee

Skills

R, SPSS, EndNote, REDCap, Wordpress, E-Prime,

References

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