

Charleen J. Gust

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charleen.gust@colorado.edu

EDUCATION

PhD in Social Psychology and Neuroscience	2023
University of Colorado Boulder, Boulder, CO	
MA in Psychology	2020
University of Colorado Boulder, Boulder, CO	
BA in Psychology (with honors) and Mathematics, <i>magna cum laude</i>	2015
Willamette University, Salem, OR	

TRAINING

Graduate Certificate in Quantitative Methods for Behavioral Sciences	2023
University of Colorado Boulder, Boulder, CO	
Teaming for Early Career Researchers	2021
Colorado Clinical and Translational Sciences Institute, Aurora, CO	
NIH-Funded Training Course in fMRI	2019
University of Michigan, Ann Arbor, MI	

ACADEMIC POSITIONS

Research Associate, Blueprints for Healthy Youth Development	2023 – curr.
University of Colorado Boulder, Boulder, CO	
Graduate Research Assistant, Blueprints for Healthy Youth Development	2018 – 2023
University of Colorado Boulder, Boulder, CO	
Graduate Teaching Assistant, Department of Psychology and Neuroscience	2017 – 2020
University of Colorado Boulder, Boulder, CO	

HONORS AND AWARDS

Society of Behavioral Medicine Meritorious Abstract Award	2023
Society for Personality and Social Psychology Graduate Travel Award	2022

International Cannabinoid Research Society Trainee Travel Award	2022
Institute of Behavioral Science Spring Student/Postdoctoral Funding Award	2022
Sheryl R. Young Memorial Fellowship	2022
Beverly Sears Graduate Student Grant	2022
Institute of Behavioral Science Spring Student/Postdoctoral Funding Award	2021
International Cannabinoid Research Society Braude Foundation Award	2020
International Cannabinoid Research Society Trainee Travel Award	2020
CU Boulder Department of Psychology Travel Award	2020
CU Boulder Graduate School Domestic Travel Grant	2020
CU Boulder United Government of Graduate Students Travel Grant	2019
Institute of Behavioral Science Summer Research Award	2019
Institute of Behavioral Science Spring Student/Postdoctoral Funding Award	2019
CU Boulder Department of Psychology Travel Award	2019
CU Boulder Graduate School Domestic Travel Grant	2019
CU Boulder Department of Psychology Travel Award	2018
Noel F. Kaestner Award for Scholarly Excellence and Service in Psychology*	2015
Phi Beta Kappa*	2015
Mortar Board (<i>vice president</i>)*	2014
Pi Mu Epsilon*	2014
Oregon State Scholarship, P.E.O. Foundation	2013, 2014
Margaret L. Gates Scholarship*	2014
WU Supplemental Grant*	2014
Oregon State Opportunity Grant*	2011, 2012, 2013, 2014
Jason Lee Award*	2011, 2012, 2013, 2014
Academic Leadership Award*	2011, 2012, 2013, 2014
Marion Bacon Allen Scholarship*	2013
Oregon Marguerite Scholarship, P.E.O. Foundation	2012
John J. & Ruth I. Church Scholarship*	2012

[*All received at Willamette University]

RESEARCH FUNDING

PENDING

National Institutes of Health, *Incorporating Open Science in the Dissemination of Evidence-Based Interventions* (R01). Grant award of \$1,535,777 (total costs requested). Role: **Co-Investigator** (PI: S. Grant).

2024 – 2028

PUBLICATIONS

- Gust, C. J.**, Martin-Willett, R., Gibson, L. P., Giordano, G., & Bryan, A. D. (under review). Effects of aerobic exercise on the social, emotional, and financial functioning of older adults: Results from a 16-week exercise RCT.
- Buckley, P. R., Murry, V. M. B., **Gust, C. J.**, Ladika, A., & Pampel, F. C. (2023). Racial and ethnic representation in preventive intervention research: A methodological study. *Prevention Science*, 1-14.
- Gust, C. J.**, Moe, E. N., Seals, D. R., Banich, M. T., Andrews-Hanna, J. R., Hutchison, K. E., & Bryan, A. D. (2022). Associations between age and resting state connectivity are partially dependent upon cardiovascular fitness. *Frontiers in Aging Neuroscience*, 14, 858405.
- Gust, C. J.**, Bryan, A. D., Havranek, E. P., Vupputuri, S., Steiner, J. F., Blair, I. V., Hanratty, R., & Daugherty, S. L. (2022). Health behavior theory and hypertension management: Comparisons among Black, White, and American Indian and Alaska Native patients. *Race and Social Problems*, 1-14.
- Gust, C. J.**, & Bryan, A. D. (2021). Impact of videos targeting intrinsic versus extrinsic motivation on exercise experience and effort. *International Journal of Sport and Exercise Psychology*, 1-17.
- Steeger, C. M., Buckley, P. R., Pampel, F. C., **Gust, C. J.**, & Hill, K. G. (2021). Common methodological problems in randomized controlled trials of preventive interventions. *Prevention Science*, 22, 1159-1172.
- Gibson, L. P., **Gust, C. J.**, Ellingson, J. M., YorkWilliams, S. L., Sempio, C., Klawitter, J., ... & Bidwell, L. C. (2021). Investigating sex differences in acute intoxication and verbal memory errors after ad libitum cannabis concentrate use. *Drug and Alcohol Dependence*, 223, 108718.
- YorkWilliams, S. L., Gibson, L. P., **Gust, C. J.**, Giordano, G., Hutchison, K. E., & Bryan, A. D. (2020). Exercise intervention outcomes with cannabis users and nonusers aged 60 and older. *American Journal of Health Behavior*, 44(4), 420-431.
- Gibson, L. P., **Gust, C. J.**, Gillman, A. S., Bryan, A. D., & Ewing, S. W. F. (2020). Mechanisms of action for empirically supported interventions to reduce adolescent sexual risk behavior: A randomized controlled trial. *Journal of Adolescent Health*, 67(1), 53-60.
- Noftle, E. E., & **Gust, C. J.** (2019). Age differences across adulthood in interpretations of situations and situation-behaviour contingencies for Big Five states. *European Journal of Personality*, 33(3), 279-297.
- YorkWilliams, S. L., **Gust, C. J.**, Mueller, R., Bidwell, L. C., Hutchison, K. E., Gillman, A. S., & Bryan, A. D. (2019). The new runner's high? Examining relationships between

cannabis use and exercise behavior in states with legalized cannabis. *Frontiers in Public Health*, 7, 99.

Noftle, E. E., & **Gust, C. J.** (2015). Powerful situations: Some real progress but some future considerations. *European Journal of Personality*, 29(3), 404-405.

Manuscripts in preparation

Gust, C. J., & Bryan, A. D. (in preparation). Yoga for improved physical and psychological health: Understanding potential self-regulatory and neurophysiological mechanisms of an ancient practice.

Gust, C. J.*, Rossman, M. J.*, Santos-Parker, J. R., Justice, J. N., Lubieniecki, K. L., Moe, E. N., Bispham, N. Z., Woodward, K. A., Nagy, E. E., Bryan, N. S., Reisz, J. A., D'Alessandro, A., Fielding, R. A., Bryan, A. D., Chonchol, M., & Seals, D. R. (in preparation). Chronic supplementation with sodium nitrite does not affect motor or cognitive function in older adults.

Gust, C. J., Gibson, L. P., Ellingson, J. M., YorkWilliams, S. L., Sempio, C., Klawitter, J., Bryan, A. D., Bidwell, L. C., & Hutchison, K. E. (in preparation). Sex-dependent differences in acute objective and subjective intoxication among high potency cannabis flower users.

[*Shared first authorship]

INVITED TALKS

Gust, C. J.*, Buckley, P. R.*, & Steeger, C. M.* (October, 2023). *Evidence-based behavioral programs for youth – What are they? Are they inclusive of diverse populations? Do they build a more equitable future for all youth, families, and communities?* Talk given as part of the Institute of Behavioral Science Fall Speaker Series, University of Colorado Boulder, Boulder, CO.

Gust, C. J. (September, 2020). *Yoga for improved physical and psychological health: Understanding the self-regulatory mechanisms of an ancient practice.* Talk given as part of the Social Psychology Graduate Professional Development Course, University of Colorado Boulder, Boulder, CO.

Gust, C. J.*, & Gibson, L. P.* (November, 2019). *Careers in health psychology.* Talk given at Metropolitan State University, Denver, CO.

Gust, C. J. (April, 2019). *Yoga for improved physical and psychological health: Understanding the self-regulatory mechanisms of an ancient practice.* Talk given as part of the Social Psychology Graduate Professional Development Course, University of Colorado Boulder, Boulder, CO.

Gust, C. J. (April, 2018). *Manipulating motivation: Effects of videos targeting intrinsic versus extrinsic regulation on exercise performance.* Talk given as part of the Social Psychology Graduate Professional Development Course, University of Colorado Boulder, Boulder, CO.

[*Shared first authorship]

CONFERENCE PRESENTATIONS

- Gust, C. J.** (May, 2023). *Yoga for Improved Physical and Psychological Health: Understanding Potential Self-Regulatory and Neurophysiological Mechanisms of an Ancient Practice*. Dissertation Defense, University of Colorado Boulder, Boulder, CO.
- Gust, C. J., & Bryan, A. D.** (April, 2023). *Effects of Yoga on Physical and Psychological Health: Theory-Based Mechanisms of an Ancient Practice*. Talk presented at the 44th Annual Meeting of the Society of Behavioral Medicine, Phoenix, AZ.
- Gust, C. J., & Bryan, A. D.** (February, 2023). *Effects of Yoga on Physical and Psychological Health: Theory-Based Mechanisms of an Ancient Practice*. Poster presented at the 24th Annual Meeting of the Society for Personality and Social Psychology, Atlanta, GA.
- Gust, C. J., Gibson, L. P., Ellingson, J. M., YorkWilliams, S. L., Sempio, C., Klawitter, J., Bryan, A. D., Bidwell, L. C., & Hutchison, K. E.** (June, 2022). *Sex-dependent differences in acute objective and subjective intoxication among high potency cannabis flower users*. Poster presented at the 32nd Annual International Cannabinoid Research Society Symposium on the Cannabinoids, Galway, Ireland.
- Gust, C. J., Moe, E. N., Seals, D. R., Banich, M. T., Andrews-Hanna, J. R., Hutchison, K. E., & Bryan, A. D.** (April, 2022). *Associations between age and resting state connectivity are partially dependent upon cardiovascular fitness*. Poster presented at the 43rd Annual Meeting of the Society of Behavioral Medicine, Baltimore, MD.
- Gust, C. J., & Bryan, A. D.** (April, 2021). *Yoga for improved physical and psychological health: Understanding the self-regulatory mechanisms of an ancient practice*. Research spotlight presented at the 42nd Annual Meeting of the Society of Behavioral Medicine, virtual conference.
- Gust, C. J., & Bryan, A. D.** (February, 2021). *Yoga for improved physical and psychological health: Understanding the self-regulatory mechanisms of an ancient practice*. Poster presented at the 22nd Annual Meeting of the Society for Personality and Social Psychology, virtual conference.
- Karoly, H. C., Torres, M., **Gust, C. J.**, Jones, M., Bryan, A. D., Hutchison, K. E., & Bidwell, L. C. (December, 2020). *Acute objective and subjective effects of cannabis among flower and edible users*. Poster presented at the 59th Annual Meeting of The American College of Neuropsychopharmacology, virtual conference.
- Gust, C. J., Karoly, H., Jones, M., Bryan, A. D., Bidwell, L. C., & Hutchison, K. E.** (July, 2020). *Acute objective and subjective effects of cannabis among flower versus edible users*. Poster accepted to the 30th Annual International Cannabinoid Research Society Symposium on the Cannabinoids, Galway, Ireland. Conference canceled due to COVID-19.
- Morris, K., Brady, O., Steinberg, E., Kagel, J., El-Askari, L., **Gust, C. J.**, & Nofhle, E. E. (May, 2020). *How do activated goals shape trait-relevant behavior? Striving-Big Five behavior contingencies in young adults*. Poster presented at the Annual Meeting of the Western Psychological Association, virtual conference.

- El-Askari, L., Steinberg, E., Kagel, J., Morris, K., Brady, O., **Gust, C. J.**, & Nofhle, E. E. (May, 2020). *How do strivings change in college? Strivings and striving-Big Five behavior contingencies over time*. Poster presented at the Annual Meeting of the Western Psychological Association, virtual conference.
- Gust, C. J.**, Bryan, A. D., Blair, I. V., Havranek, E. P., Steiner, J. F., Hanratty, R., Vupputuri, S., Maertens, J., & Daugherty, S. L. (April, 2020). *Racial differences in theory-based constructs related to hypertension management*. Poster accepted to the 41st Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA. Conference canceled due to COVID-19.
- Gust, C. J.**, Gibson, L. P., Bryan, A. D., & Giordano, G. (April, 2020). *Effects of exercise dose and intensity on body mass, fitness, and social functioning among older adults*. Poster accepted to the 41st Annual Meeting of the Society of Behavioral Medicine, San Francisco, CA. Conference canceled due to COVID-19.
- Gust, C. J.**, Bryan, A. D., Blair, I. V., Havranek, E. P., Steiner, J. F., Hanratty, R., Vupputuri, S., Maertens, J., & Daugherty, S. L. (February, 2020). *Racial differences in theory-based constructs related to hypertension management*. Poster presented at the 21st Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA.
- Gust, C. J.**, Bryan, A. D., Blair, I. V., Havranek, E. P., Steiner, J. F., Hanratty, R., Vupputuri, S., Maertens, J., & Daugherty, S. L. (February, 2020). *Racial differences in theory-based constructs related to hypertension management*. Data blitz presented at the 21st Annual Meeting of the Society for Personality and Social Psychology, New Orleans, LA.
- Bidwell, L. C., Gibson, L. P., **Gust, C. J.**, Ellingson, J. M., YorkWilliams, S. L., Sempio, C., Klawitter, J., Bryan, A. D., & Hutchison, K. E. (December, 2019). *Investigating sex as a moderator of acute objective and subjective intoxication after ad libitum cannabis concentrate use*. Poster presented at the Annual Meeting of the American College for Neuropsychopharmacology, Orlando, FL.
- Bryan, A. D., YorkWilliams, S. L., Gibson, L. P., **Gust, C. J.**, Mueller, R., Giordano, G., & Hutchison, K. E. (July, 2019). *Older adult cannabis users exercise more than non-users in the context of a physical activity intervention*. Poster presented at the Gordon Research Conference: Cannabinoid Function in the CNS, Castelldefels, Spain.
- Gust, C. J.**, & Bryan, A. D. (March, 2019). *Manipulating motivation: Effects of videos targeting intrinsic versus extrinsic regulation on exercise performance*. Poster presented at the 40th Annual Meeting of the Society of Behavioral Medicine, Washington, DC.
- Gust, C. J.**, & Bryan, A. D. (February, 2019). *Manipulating motivation: Effects of videos targeting intrinsic versus extrinsic regulation on exercise performance*. Poster presented at the 20th Annual Meeting of the Society for Personality and Social Psychology, Portland, OR.
- Bryan, A. D., YorkWilliams, S., **Gust, C. J.**, & Gillman, A. S. (May, 2018). *The new runner's high? Possible linkages between cannabis and exercise participation and performance*. Paper presented at the 2018 Sports, Cardiovascular, and Wellness Nutrition Annual Symposium, Keystone Resort and Conference Center, Keystone, CO.

- Gust, C. J., & Bryan, A. D.** (May, 2018). *Manipulating motivation: Effects of videos targeting intrinsic versus extrinsic regulation on exercise performance*. Talk presented at the 37th Annual Ekstrand Memorial Mini-Convention, Boulder, CO.
- YorkWilliams, S., **Gust, C. J.**, Gillman, A. S., Hutchison, K. E., & Bryan, A. D. (April, 2018). *The new runner's high? Examining relationships between cannabis use and exercise behavior in states with legalized cannabis*. Poster presented at the 39th Annual Meeting of the Society of Behavioral Medicine, New Orleans, LA.
- Gust, C. J.**, Nofhle, E. E., & Fleeson, W. (July, 2017). *More interested but less evaluated: Situation construals' link to trait-relevant behavior in old age*. Talk presented at the 21st IAGG World Congress of Gerontology and Geriatrics, San Francisco, CA.
- Nofhle, E. E., **Gust, C. J.**, & Fleeson, W. (June, 2015). *Changing contexts, changing traits: Older adults' situational construals and their relation to trait-relevant behavior*. In E. E. Nofhle, & J. Specht, *Personality development in later life*. Talk presented at the Biennial Meeting of the Association for Research in Personality, Saint Louis, MO.
- Gust, C. J.** (April, 2015). *Personality traits in everyday life: How situational characteristics relate to trait-relevant behavior across adulthood*. Talk presented at the 15th Annual Student Scholarship Recognition Day, Salem, OR.
- Gust, C. J.** (April, 2015). *Personality traits in everyday life: How situational characteristics relate to trait-relevant behavior across adulthood*. Defense of honors thesis, Salem, OR.
- Gust, C. J.**, Wiester, N. J., & Nofhle, E. E. (April, 2014). *Surface and depth in personality: Behavioral and motivational aspects of the Big Five and parallel development across two years of college*. Poster presented at the 14th Annual Student Scholarship Recognition Day, Salem, OR.
- Gust, C. J.**, Wiester, N. J., & Nofhle, E. E. (April, 2014). *Surface and depth in personality: Behavioral and motivational aspects of the Big Five and parallel development across two years of college*. Poster presented at the Western Psychological Association 94th Annual Convention, Portland, OR.

TEACHING

UNIVERSITY OF COLORADO BOULDER

Graduate Teaching Assistant, PSYC 2111: Psychological Statistics	Fall 2020
Graduate Teaching Assistant, PSYC 2111: Psychological Statistics	Fall 2019
Graduate Teaching Assistant, PSYC 2111: Psychological Statistics	Fall 2017

MENTORING

HIGH SCHOOL

Cormac Dacker; Lucia Dacker	2013 – 2015
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UNDERGRADUATE

Nora Elkerton; Alyssa Week	2022 – 2023
Lindsey Visscher	2018 – 2023
Laila Arzouni; Emily Martin; Madelin Parisi; Chloe Simpson	2021 – 2022
Christopher Corlett; Cassandra Cunningham*; Audre Greer	2019 – 2020
Amy Bazzoni; Andrew Neuhalfen	2017 – 2018

OTHER

Graduate Student Mentor, McNair Scholars Program	2019 – 2020
University of Colorado Boulder, Boulder, CO	

[*Completed honor's thesis in psychology under my guidance]

PROFESSIONAL SERVICE

UNIVERSITY OF COLORADO BOULDER

Lead Student, Social Psychology Graduate Program	2022 – 2023
Student Member, Faculty Search Committee	2022 – 2023
President, Social Psychology Lab	2022 – 2023
Student Coordinator, Graduate Recruitment	2019 – 2023
Vice President, Social Psychology Lab	2019 – 2022

WILLAMETTE UNIVERSITY

Student Member, Faculty Search Committee	2014
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OTHER

Ad-Hoc Manuscript Reviewer, Annals of Behavioral Medicine	2021
Ad-Hoc Manuscript Reviewer, Sport, Exercise, and Performance Psychology	2019
Ad-Hoc Manuscript Reviewer, Journal of Behavioral Medicine	2018

COMMUNITY SERVICE

WILLAMETTE UNIVERSITY

President, Environmental Community Outreach Society (ECOS)	2013 – 2015
Tutor, PSYC 252: Research Methods and Analysis I	2013 – 2015
Tutor, PSYC 253: Research Methods and Analysis II	2013 – 2015
Tutor, MATH 140: Modeling with Calculus	2013 – 2015

OTHER

Classroom Assistant, Bush Elementary School	2013
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