



Psychology and Neuroscience

UNIVERSITY OF COLORADO **BOULDER**

Department of Psychology & Neuroscience 2022 Honors Graduates

May 2022

Cum Laude

Troy D. Arthur, *The effect of white minority status on the self concept*,
Faculty Advisor: Dr. Josh Correll

Sharee L. Dandridge, *Defining the effect of zinc on the proliferation of MDA-MB-231 cells compared to MCF10A cells*, Faculty Advisor: Dr. Amy Palmer

Declan Boyle Mulcahy, *A novel experimental method for IN VIVO two photon imaging of subcortical structures during an awake behavioral stress task*, Faculty Advisor: Dr. David Root

Magna Cum Laude

Tori Holton, *A longitudinal analysis of resilience factors as predictors of psychological distress in adults with chronic illness*, Faculty Advisor: Dr. Mark Whisman

Lauren Immink, *Characterizing the role of akt2 in the hippocampus*,
Faculty Advisor: Dr. Charles Hoeffler

Scott Litwiler, *Measuring affective pain using a modified novel conflict-avoidance choice shuttle maze*, Faculty Advisor: Dr. Linda Watkins

Ashley Pak, *The role of the prelimbic cortex on controllability-dependent stressed-induced changes in effortful reward seeking behavior*, Faculty Advisor: Dr. Michael Saddoris

Anushka Thummalapenta, *The effect of sleep duration on emotional N-back in children*, Faculty Advisor: Dr. Naomi Friedman

Summa Cum Laude

Ingrid Reilly Anderson, *Light during testing mediates the time-of-day dependent differences in open field task behavior of adult male rats*, Faculty Advisor: Dr. Robert Spencer

Marqus Isaiah Avalos, *Resilience and mental health in sexual minority young adults*, Faculty Advisor: Dr. Mark Whisman

Alexandra Barker, *Effect of bed nucleus of the stria terminalis GABA neuron inhibition on foraging behavior after threat exposure*, Faculty Advisor: Dr. David Root

Avery Brogle, *Between a rock and a hard place: examining preschool teachers' workplace experiences and their influences on exclusionary discipline*, Faculty Advisor: Dr. Alison Hatch

Ziwei Cheng, *Reinforcement learning and working memory in mood disorders: A computational analysis using a developmental transdiagnostic sample*, Faculty Advisor: Dr. Roselinde Kaiser

Sofia Garnett Grant, *Entertaining diagnosis: An interdisciplinary study of the journey to diagnosis*, Faculty Advisor: Dr. Kate Fischer

Lander Gray, *Attachment as a moderator of the association between intimate partner violence and psychopathology*, Faculty Advisor: Dr. Mark Whisman

Juli Joachimsthaler, *Happiness beliefs and associations with psychological health in emerging adults*, Faculty Advisor: Dr. June Gruber

Angela Lankenau, *The relationship between social anxiety, fear of pandemic illness exposure, and disordered eating in college women*, Faculty Advisor: Dr. Angela Bryan

Cristina Isabel Lau, *Consequences of ubqln2 loss in animal models of familial amyotrophic lateral sclerosis*, Faculty Advisor: Dr. Alexandra Whiteley

Ama Luthens, *The effects of Mycobacterium vaccae NCTC 11659 treatment on fear extinction in female rats in the fear-potentiated startle paradigm*, Faculty Advisor: Dr. Christopher Lowry

Morgan McCarthy, *The role of income and perceived control in psychological distress and life satisfaction*, Faculty Advisor: Dr. Mark Whisman

Lynzie McKee, *The relationship between worry, rumination, and executive function in emerging adults*, Faculty Advisor: Dr. Mark Whisman

Anna Danehy McTigue, *Pair bonding leads to enhanced interbrain correlation with a partner which is not disrupted by blockade of oxytocin receptors*, Faculty Advisor: Dr. Zoe Donaldson

Tricia O'Hara Menzel, *Lifetime exposure to traumatic events and sexual satisfaction in a national probability sample*, Faculty Advisor: Dr. Mark Whisman

Aya Miften, *Reward value modulation of reach kinematics in mice*, Faculty Advisor: Dr. Michael Saddoris

William Michael Plantz, *Protective effect of ketamine on lateral habenula stress circuitry in inescapable stress*, Faculty Advisor: Dr. David Root

Portia Boissevain Pray, *Longitudinal association between loneliness and metabolic syndrome*, Faculty Advisor: Dr. Mark Whisman

Ethan Rowe, *Inhibition of prefrontal cortex to amygdala neuronal pathway and its effect on fear extinction learning and fear extinction recall*, Faculty Advisor: Dr. Robert Spencer

Yuze Shi, *Intimate relationship satisfaction as a potential moderator of the longitudinal association between stress and depression*, Faculty Advisor: Dr. Mark Whisman

Taylor Solis-Collazos, *A longitudinal study on marital adjustment, marital dissolution, and generalized anxiety disorder*, Faculty Advisor: Dr. Mark Whisman

Carter Witt, *Gender differences in the subjective effects of cannabis*, Faculty Advisor: Dr. Kent Hutchison

December 2022

Cum Laude

Grace Leger, *The relationship between life satisfaction and body appreciation with regard to exercise frequency and athlete self-identification*, Faculty Advisor: Dr. Chelsea Pierotti

Brodie Jean Woodall, *Effects of post trauma morphine on dorsal horn neuron excitability: Studies using cFOS and RNAscope*, Faculty Advisor: Dr. Linda Watkins

Summa Cum Laude

Connor Davis, *The influence of extraversion on political polarization and affective forecasting*, Faculty Advisor: Dr. Leaf Van Boven

Austin Drake, *On Complex PTSD symptoms and life outcomes: An examination of complex and traditional presentations in a college sample*, Faculty Advisor: Dr. Mark Whisman

Tanja Gens, *Longitudinal relationships between cannabis and sleep quality*, Faculty Advisor: Dr. Angela Bryan

Camden McFarland, *Biological mechanisms of anxiety: A focus on stress-related biomarkers and cannabinoids*, Faculty Advisor: Dr. Cinnamon Bidwell