



# Psychology and Neuroscience

UNIVERSITY OF COLORADO **BOULDER**

## **Department of Psychology & Neuroscience 2024 Honors Graduates**

### **May 2024**

#### **CUM LAUDE**

**Daniel Alas** | *Dopamine release from VTA glutamate neurons differentially impacts reward and fear-related behaviors* | **Faculty Advisor- Dr. David Root**

**Nico Dee Capolungo** | *Beyond status: Exploring the psychological and physiological effects of trait dominance and prestige* | **Faculty Advisor- Dr. Erik Knight**

**Connor Tallis** | *A multivariate analysis observing the shared genetic etiology of cardiovascular and psychological illnesses* | **Faculty Advisor- Dr. Andrew Grotzinger**

#### **MAGNA CUM LAUDE**

**Juliana Czar** | *Linguistic markers of psychological distancing during emotional events in bipolar and unipolar mood disorders* | **Faculty Advisor- Dr. June Gruber**

**Amber J Duffy** | *Loneliness and autonomic outcomes in response to an acute stressor in young adults* | **Faculty Advisor- Dr. Erik Knight**

**Anthony J Garcia** | *Investigating the complex functional anatomy of the rat neocortex surrounding the spike-wave discharge generation spot* | **Faculty Advisor- Dr. Daniel Barth**

**Heylee Hewawasam** | *The impact of incarceration and treatment on substance use in high-risk longitudinal samples: persistent and interrupted users* | **Faculty Advisor- Dr. Michael Stallings**

## MAGNA CUM LAUDE

**Casey Hogan** | *The relationship between individual differences in levels of internalizing symptomatology and white matter tract integrity in adolescents* | **Faculty Advisor- Dr. Marie Banich**

**Makenzie Maker** | *Optimizing social operant conditioning in monogamous prairie voles* | **Faculty Advisor- Dr. Zoe Donaldson**

**Megan Middleton** | *Excitatory/inhibitory neurotransmitter concentrations in the lateral PFC and their relationships with myelination of white matter tracts* | **Faculty Advisor- Dr. Marie Banich**

**Anika Noelle Schulthess** | *Perceptions of communality in college professors: Gendered expectations prevail* | **Faculty Advisor- Dr. Tiffany Ito**

**Emma Shaffer** | *The effects of feedback from aptitude tests in college courses on students' academic self-perceptions and planning* | **Faculty Advisor- Dr. Tiffany Ito**

**Gavin Sparling** | *Neuromorphological correlates of repetitive negative thinking* | **Faculty Advisor- Dr. Marie Banich**

**Lucy A Ward** | *Behavioral functions of heterogeneous dopaminergic and glutamatergic neuronal subtypes in the ventral tegmental area* | **Faculty Advisor- Dr. David Root**

## SUMMA CUM LAUDE

**Madeleine Arany** | *Association between individual differences in self-generated thought and morphology of gray matter structures* | **Faculty Advisor- Dr. Marie Banich**

**Lindsay Laurent Atkinson** | *Modification of neural activity in the rostral region of the posterior hypothalamus in response to stress habituation* | **Faculty Advisor- Dr. Serge Campeau**

**Christina Bishop** | *Early life stress and social isolation as a two-hit model for examining extinction learning in fear and motivational contexts* | **Faculty Advisor- Dr. Michael Saddoris**

**Gianni Bonnici** | *Sex-specific circuitry underlying the impact of behavioral control* | **Faculty Advisor- Dr. Michael Baratta**

# SUMMA CUM LAUDE

**Ashanti Cannon** | *Understanding sociability deficits in neurodevelopmental and neuropsychiatric disorders* | **Faculty Advisor- Dr. Susanna Molas**

**Dylan Capes** | *The role of glutamate release from ventral tegmental area mu-opioid receptor neurons in fentanyl exposure* | **Faculty Advisor- Dr. David Root**

**Isabella Elkinbard** | *Considering the estrous cycle when analyzing sex differences in functional deficits post traumatic brain injury* | **Faculty Advisor- Dr. Daniel Barth**

**Lilia Geel** | *Associations between parent and child negative emotionality and parenting* | **Faculty Advisor- Dr. Soo Rhee**

**Megan Heilbron** | *Activation of the glutamate and GABA co-releasing neurons of the VTA during rewarding and aversive contexts* | **Faculty Advisor- Dr. David Root**

**Dylanie Herbstreit** | *Elevating the voices of young girls around body image and appearance biases in a letter to a younger girl: A qualitative analysis* | **Faculty Advisor- Dr. Chelsea Kilimnik**

**Hannah Jacobs** | *Innate adaptive defense learning: The role of the IPN and social contexts* | **Faculty Advisor- Dr. Susanna Molas**

**Mackenzie Kirk** | *Evaluating worst-case scenarios amongst anxious and depressed adults metastatic cancer: A qualitative study* | **Faculty Advisor- Dr. Joanna Arch**

**Grant Mannino** | *Effects of biological sex and brain injury severity on sleep outcomes in the mouse* | **Faculty Advisor- Dr. Rachel Rowe**

**Marin McCallen** | *Examining the impact of mindfulness on sleep disturbance and alcohol use* | **Faculty Advisor- Dr. Cinnamon Bidwell**

**Sally McDonnell** | *Cognotoxemia: Investigating the relationship between endotoxemia and cognitive task performance in healthy adults* | **Faculty Advisor- Dr. Erik Knight**

**Ben O'Meara** | *A looming fear - Neural circuits of threat processing and adaptive learning and the effects of opioid-induced anxiety* | **Faculty Advisor- Dr. Susanna Molas**

**Dana Elizabeth Ritterbusch** | *Effects of diffuse traumatic brain injury on metrics of inflammation, growth, and sleep in male and female juvenile rats* | **Faculty Advisor- Dr. Rachel Rowe**

## SUMMA CUM LAUDE

**Emma Rose Skoler** | *Associations between parental autonomy granting and adolescent anxiety in a longitudinal adoption study* | **Faculty Advisors- Dr. Soo Rhee and Dr. Daniel Gustavson**

**Taylor Smith** | *Extreme cross-race contact and eye gaze patterns during face perception* | **Faculty Advisor- Dr. Joshua Correll**

**Maryam Vanbaelinghem** | *Exposure impact of adolescent alcohol consumption on fear learning in adult Long-Evans rats* | **Faculty Advisor- Dr. Alex Grizzell**

## December 2024

## CUM LAUDE

**Brooke Johnson** | *The relationship between perceived similarity and group-based generalization* | **Faculty Advisor- Dr. Joshua Correll**

## SUMMA CUM LAUDE

**Evangelyne Dillice Nana Akesi Eliason** | *Identifying the effects of gaslighting in relationships* | **Faculty Advisor- Dr. Chelsea Pierotti**

**Maxwell Martin** | *Novel cues explicitly signaling shock omission alter fear extinction learning in a sex and context dependent manner: A role for dopamine in a novelty-based extinction paradigm* | **Faculty Advisor- Dr. Michael Saddoris**

**Haley McVay** | *An evaluation of AI-generated children's stories: Do word characteristics correlate with word learning?* | **Faculty Advisor- Dr. Eliana Colunga**