

CURRICULUM VITAE

Jake Ferro Hooper

Department of Psychology

University of Oregon

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EDUCATION

University of Oregon, Eugene, OR

Master of Science, Cognitive Neuroscience | Psychology

2025-Present

Doctor of Philosophy, Cognitive Neuroscience | Psychology

2025-Present

Virginia Tech, Blacksburg, VA

Bachelor of Science, Cognitive and Behavioral Neuroscience | Psychology

2017-2021

PUBLICATIONS

1. Hutchison KE, **Hooper JF**, Karoly H. (2025) Psilocybin Outside the Clinic: Public Health Challenges of Increasing Publicity, Accessibility, and Use. *JAMA Psychiatry*. 2025 Nov 5. doi: 10.1001/jamapsychiatry.2025.3038.
2. **Hooper JF**, Ellingson JM, Hutchison KE. (2025) Preliminary Validation and Refinement of the Psychedelic Aesthetic Experience Questionnaire. *Frontiers in Psychology*. 2025 Sept 15; 2025;16:1648968 doi: 10.3389/fpsyg.2025.1648968.
3. **Hooper JF**, Stoliker D, Wolfe K, Hutchison KE. Neuroaesthetics of the psychedelic state. *Neuropsychologia*. 2025 Jul 26;109238. doi: 10.1016/j.neuropsychologia.2025.109238.
4. **Hooper JF**, Gyongyosi EL, Hutchison KE, Mueller RL. Aesthetic quality of psychedelic experience is linked to insight and psychological outcomes. *Frontiers in Psychology*. 2025 May 15;16:1533055. doi: 10.3389/fpsyg.2025.1533055.
5. Mueller RL, **Hooper JF**, Ellingson JM, Olsavsky AK, Rzasa-Lynn R, Bryan AD, Bidwell LC, Hutchison KE. A preliminary randomized trial of the safety, tolerability, and clinical effects of hemp-derived cannabidiol in alcohol use disorder. *Frontiers in Psychiatry*. 2025 Apr 28;16:1516351. doi: 10.3389/fpsyt.2025.1516351.
6. **Hooper JF**, Williams S, Mueller R, Hutchison KE. (2025) Age and cannabis co-use moderate psilocybin experience and perceived benefits. *Journal of Psychoactive Drugs*. [Under review]
7. **Hooper JF**, Juliani A, Aqil M, McGovern HT. (2025) Art as a Vehicle for Archetypal Transmission: Synthesizing Interdisciplinary Perspectives. *Brain and Behavioral Reviews*. [In preparation]

PRESENTATIONS AND TALKS

1. **Hooper, JF**. *Art as a Vehicle for Archetypal Transmission*. Invited talk at the Theoretical Neurobiology (TNB) Group, Active Inference Institute. 2025 June 30. [Oral presentation].
2. **Hooper JF**, Spencer JK, Hutchison K. *The Relationship Between Cannabis Use with Psilocybin and Psychological Outcomes*. University of Colorado Department of Psychiatry Research Symposium; 2025 March 19; Aurora, CO.
3. **Hooper JF**, Krause A, Spencer JK. *Research in Psychiatry: Cannabis, Health, and Addiction Over the Lifespan*. Psychiatry Undergraduate Research Program and Learning Experience (PURPLE) Didactic Session; 2024 June 28; Denver, CO. [Oral presentation].

4. **Hooper JF**, Wolfe K, Gyongyosi E. *Psychedelic Neuroaesthetics: A Review and Commentary*. 27th Annual Research and Creative Activities Symposium (RaCAS); 2024 April 26; Denver, CO. [Oral presentation]
5. **Hooper JF***, Gyongyosi E*, Hutchison K. *Behavioral Improvement After Psychedelic Use*. Anschutz Department of Medicine 5th Annual Research Day; 2024 April 23; Aurora, CO.
6. **Hooper JF**, Gyongyosi E, Williams S, Hutchison K. *Age-Related Differences in Challenging Psychedelic Experiences*. University of Colorado Department of Psychiatry Research Symposium; 2024 March 20; Aurora, CO.
7. Spencer JK, Krause A, Mueller R, Williams S, **Hooper JF**, Hutchison K. *Psychedelics & Personality: Understanding the Therapeutic Potential*. University of Colorado Department of Psychiatry Research Symposium; 2024 March 20; Aurora, CO.
8. Krause A, Spencer JK, **Hooper JF**, Williams S, Hutchison K. *Psilocybin in Psychiatry: Exploring the Risks & Rewards*. University of Colorado Department of Psychiatry Research Symposium; 2024 March 20; Aurora, CO.
9. Williams S, Gyongyosi E, **Hooper JF**, Hutchison K. *The Effect of Music on Psychedelic Experience*. University of Colorado Department of Psychiatry Research Symposium; 2024 March 20; Aurora, CO.
10. **Hooper JF***, Gyongyosi E*, Williams S, Mueller R, Hutchison K. *Cannabidiol Reduces the Experience of Pain in Individuals with Chronic Pain*. 38th Annual Student Research Forum Poster Presentations; 2023 December 05; Aurora, CO.
11. **Hooper JF**, Williams S, Mueller R, Hutchison K. *Cannabidiol Reduces Drinking Behavior and Negative Emotion in Individuals with Alcohol Use Disorder*. CCTSI CU-CSU Summit; 2023 August 16; Denver, CO.
12. Williams S, **Hooper JF**, Mueller R, Hutchison K. *Cannabidiol Effects on Alcohol Cravings and Mental Health in Individuals with Alcohol Use Disorder*. CCTSI CU-CSU Summit; 2023 August 16; Denver, CO.
13. **Hooper JF**, Williams S, Mueller R, Hutchison K. *Cannabidiol Reduced Impaired Control of Drinking Behavior in Individuals with Alcohol Use Disorder*. University of Colorado Department of Psychiatry Research Symposium; 2023 March 22; Aurora, CO.

*Shared First Author

RESEARCH EXPERIENCE

Graduate Research Assistant

September 2025 – Present

Integrative Perception Lab at University of Oregon - Eugene, OR

Supervised by Margaret Sereno, PhD.

- Conduct independent research bridging neuroaesthetics, predictive processing, and machine learning.
- Design and implement empirical studies examining fractal complexity, affective context, and aesthetic perception using EEG and behavioral paradigms.
- Mentor undergraduate honors students through the process of conceptualizing, designing, and executing thesis projects.
- Develop experimental pipelines integrating R and Python for data visualization, fractal-dimension analysis, and computational modeling.
- Collaborate on interdisciplinary projects across departments and institutions.
- Contribute to manuscript preparation, figure generation, and methodological development for lab publications and conference presentations.

Senior Clinical Research Professional

May 2022 – September 2025

University of Colorado Anschutz Medical Campus - Aurora, CO

Supervised by Raeghan Mueller, PhD., Kent Hutchison, PhD.

- Coordinated studies involving cannabis, alcohol, geriatric, and opioid populations in FDA-regulated trials within the Department of Psychiatry Division of Addiction Science, Prevention, and Treatment.

- Led recruitment and screening processes to evaluate participant suitability for studies. Monitored correspondence and attrition rates.
- Designed, modified, and implemented research techniques, including phlebotomy, cognitive and clinical assessments, sample processing and investigational product dispensing.
- Validated and ensured accuracy and integrity of incoming data, addressing discrepancies and managing adverse event reporting accordingly.
- Conducted data analysis (R, SPSS), manuscript drafting (LaTeX), and literature reviews.
- Developed and maintained research documentation in line with regulatory bodies (IRB, FDA, ICH-GCP) and sponsors (NIA, NIAAA, NIDA).
- Trained and oversaw a team of 8 research coordinators; supervised tasks and ensure performance quality.
- Spearheaded study development and data structuring in REDCap on a cross-sectional study.
- Wrote and implemented R scripts to generate comprehensive data and study tracking reports.

Clinical Research Coordinator

November 2021 – May 2022

University of Colorado Anschutz Medical Campus - Aurora, CO

Supervised by Christopher Mizenko, M.S., Jeffrey Bennett, PhD.

- Independently coordinated 4 studies in sponsor initiated multisite clinical trials under the neuro-ophthalmology subspecialty within the Department of Neurology.
- Evaluated potential subject participants to assess suitability for planned studies.
- Plan, modify and executed research techniques, procedures and tests including phlebotomy, vitals, ECG, clinical assessment, and investigational product dispense.
- Validated incoming data to check information accuracy while independently locating and correcting concerns.
- Organized participant-informed consent waivers and research scope documentation.

Undergraduate Research Assistant

January 2020 – June 2021

Clinton Lab at Virginia Tech - Blacksburg, VA

Supervised by Matthew Glover, PhD., Sarah Clinton, PhD.

- Utilized bench protocols and techniques to perform various experimental procedures and sample collection under primary and graduate level investigators.
- Gathered experience in fecal DNA extraction, immunohistochemistry, and microtome.
- Recorded and scored various rat behavior for a study investigating changes in emotional affect due to prenatal SSRI exposure.
- Researched and edited protocol literature reviews.
- Performed statistical, qualitative, and quantitative analysis.

Undergraduate Research Assistant

May 2019 – March 2020

SCANLAB at Virginia Tech - Blacksburg, VA

Supervised by Ligia Antezana, M.S., John Richey, PhD.

- Aided graduate students with a study investigating emotional affect in children with autism.
- Utilized spreadsheets, R statistical programming, and fMRI image scoring in cleaning data.
- Prepared literature for reports, presentations, or submission to peer-reviewed journals.
- Recorded data and maintained source documentation following good documentation practices.
- Gathered, arranged, and corrected research data to create representative graphs and charts highlighting results for presentations.

COORDINATED CLINICAL TRIALS AND STUDIES

1. “ALEXION 19-2038” (sponsored [Alexion], multisite phase 3 RCT investigating a Ravulizumab for treatment of NMOSD). NCT04201262
2. “SakuraBonsai MN42928” (sponsored [Genentech/Hoffmann-La Roche], multisite phase 4 RCT investigating Satralizumab-mwge [Enspryng] to prevent relapses in people with NMOSD). NCT05269667
3. “SPHERES NMOSD-750” (sponsor [CorEvitas], multisite patient registry to collect data on natural progression of NMOSD). NCT04886492
4. “cosMOG 21-3747” (sponsored [UCB Biopharma], multisite phase 3 RCT investigating efficacy of Rozanolixizumab for the treatment of MOG-AD). NCT05063162
5. “AUD 20-2694” (investigator/NIH-NIAAA funded, single site [pilot] phase 2 RCT investigating efficacy of cannabidiol for the treatment of AUD). NCT04873453

6. "ECHO 21-5122" (investigator/NIH-NIAAA funded, single site phase 2 RCT investigating the efficacy of cannabidiol to reduce opioid use, anxiety, and pain and improve sleep and cognitive function. NCT05299944)
7. "SONAR 22-1894" (investigator/NIH-NIAAA funded, single site phase 2/3 RCT investigating efficacy of cannabidiol for the treatment of AUD). NCT05613608
8. "CRANIA 23-0619" (investigator/NIH-NIA funded, single site phase 2 RCT testing the effects of cannabidiol on validated biomarkers of Alzheimer's disease progression, behavioral and clinical measures, with putative mechanisms of CBD action). NCT05822362
9. "LUNA 22-1427" (investigator/NIH funded, single site phase 2 RCT testing the safety, tolerability, and clinical effects of cannabidiol on traumatic brain injury). NCT05632627
10. "PEACE 23-1379" (investigator funded, survey study collecting data on naturalistic psychedelic use and subjective health outcomes).
11. "ALTA 25-0291" (investigator funded, single site observational study collecting data on naturalistic psilocybin use, tryptamine concentrations, subjective effects, and health outcomes).

HONORS, AWARDS, AND FELLOWSHIPS

Multidisciplinary Association for Psychedelic Studies (MAPS) Scholarship Awardee	2023, 2025
Dean's List, Virginia Tech	2018-2021
Julian Burruss Scholarship Awardee, Virginia Tech	2017-2021
National Educational Foundation 1847 Scholarship Awardee, Virginia Tech	2020
National Honor Society in Neuroscience (Nu Rho Psi), Virginia Tech	2020

PROFESSIONAL AFFILIATIONS

American Psychological Association (APA), Member	2025
Society for the Psychology of Aesthetics, Creativity, and the Arts, Member	2025

PRESS COVERAGE

1. "Nonclinical psilocybin use soars. What should be done now?" 2025
<https://www.ama-assn.org/about/publications-newsletters/nonclinical-psilocybin-use-soars-what-should-be-done-now>
2. "Beauty and the Brain: Researchers Look to Psychedelics to further the Study of Neuroaesthetics" 2025
<https://news.cuanschutz.edu/medicine/brain-psychedelics-neuroaesthetics>

CERTIFICATES

Certified Phlebotomy Technician (CPT), NHA	2022
Certified Clinical Dementia Rater (CDR), Knight ADRC	2022
Certified Basic Life Support Provider (BLS/CPR), Rocky Mountain CPR	2021

OTHER SKILLS

- Data capture management systems (REDCap, Epic, Medidata, Oncore)
- Clinical trial management, with direct patient interaction.
- Microsoft Office Suite
- Phlebotomy, vitals
- Cognitive Assessment (CDR, MoCA, NIH toolbox, RAVLT)
- Clinical Assessment (MINI, PROMIS, C-SSRS)
- Benchwork (microscope, microtome, pipette aliquots, IHC, DNA, centrifuge)
- ECG
- R (data cleaning; data visualization; statistical modelling)
- LaTeX