

CURRICULUM VITAE

Mason Kleinjan, PhD

Departments of Psychology and Integrative Biology
University of Colorado Denver
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EDUCATION

2024	PhD	University of Colorado Anschutz Medical School	Pharmacology/Neurobiology
2017	BS	University of North Dakota	Biological Sciences

PROFESSIONAL EXPERIENCE

2024 – present	Adjunct Lecturer/Professor, Psychology, University of Colorado Denver
2024 – present	Adjunct Lecturer/Professor, Integrative Biology, University of Colorado Denver
2024	Postdoctoral Researcher, Molecular Medicine, University of Colorado Anschutz
2019 – 2024	Research & Science Educator, Pharmacology, University of Colorado Anschutz
2017 – 2024	Graduate Researcher, Pharmacology, University of Colorado Anschutz
2014 – 2017	Graduate Teaching Lead, Human Anatomy, University of North Dakota
2014 – 2017	Undergraduate Researcher, Physiology/Therapeutics, University of North Dakota

PUBLICATIONS

- In review Brown CN, Quang D, Rumian NL, **Kleinjan MS**, Bayer KU. “Abeta impairs the LTP-related movement of endogenous CaMKII...” **Molecular Biology of the Cell**.
- 2023 **Kleinjan MS**, Buchta WC, Ogelman R, Hwang IW, Kuwajima M, Hubbard DD, Kareemo DJ, Prikhodko O, Olah SL, Gomez Wulschner LE, Abraham WC, Franco SJ, Harris KM, Oh WC, Kennedy MJ. “Dually innervated dendritic spines develop in the absence of excitatory activity...” **Neuron**. 2023 Feb 1;111(3):362-371.e6. doi: 10.1016/j.neuron.2022.11.002.
- 2023 Olah SS, Kareemo DJ, Buchta WC, Sinnen BL, Miller CN, Actor-Engel HS, Gookin SE, Winborn CS, **Kleinjan MS**, Crosby KC, Aoto J, Smith KR, Kennedy MJ. “Acute reorganization of postsynaptic GABA_A receptors reveals ...” **Cell Rep**. 2023 Nov 28;42(11):113331.
- 2021 Bourke, Ashley M., Samantha L. Schwartz, Aaron B. Bowen, **Mason S. Kleinjan**, Christina S. Winborn, Dean J. Kareemo, Amos Gutnick, Thomas L. Schwarz, and Matthew J. Kennedy. “ZapERtrap: A Light-Regulated ER Release System...” **Journal of Cell Biology**. 220, no. 9 (September 6, 2021): e202103186.
- 2017 Marwarha, Gurdeep, Stephen Rostad, Jaclyn Lilek, **Mason Kleinjan**, Jared Schommer, and Othman Ghribi. “Palmitate Increases β -Site A β PP-Cleavage Enzyme 1 Activity and Amyloid- β Genesis...” Edited by Bernard Schreurs. **Journal of Alzheimer’s Disease**. 57, no. 3 (April 10, 2017): 907–25.

THESIS

- 2024 **Kleinjan MS.** “The development, distribution and function of dually innervated spines in the hippocampus.” *Proquest Dissertation & Theses*. 2024.31146538

PRESENTATIONS

- 2024 **Kleinjan, MS.** The development, distribution and function of dually innervated spines in the hippocampus. March 2024. University of Colorado Anschutz Medical School. Aurora, CO
- 2022 **Kleinjan, MS.** Dually innervated dendritic spines develop in the absence of excitatory activity and resist structural plasticity through tonic inhibitory crosstalk. November 2023. Society for Neuroscience Meeting. San Diego, CA
- 2020 **Kleinjan, MS.** Dually innervated spine function and development in the hippocampus. March 2020. University of Colorado Retreat. Denver, CO
- 2019 **Kleinjan, MS.** Unconventional protein trafficking in distal dendrites of neurons. July 2019. Rocky Mountain Membrane Trafficking Meeting. Denver, CO
- 2019 **Kleinjan, MS.** The enigmatic spine apparatus: function in synaptic plasticity. March 2019. University of Colorado Retreat. Denver, CO
- 2016 Schommer J, **Kleinjan, MS.** 27 hydroxycholesterol increases alpha-synuclein levels in dopaminergic neurons – implications in synucleinopathies. November 2016. Society for Neuroscience Meeting. San Diego, CA

COURSES TAUGHT

- 2024 – present University of Colorado Denver
- General Genetic (BIOL 3832)
- Neural Basis of Learning and Memory (PSYC 3832)
- Behavioral Neuroscience (PSYC 4052)
- Drugs, Brain & Behavior (PSYC 3265)
- 2014-2017 University of North Dakota
- Human Anatomy and Physiology (ANAT/BIMD 220)

DEPARTMENTAL SEMINARS

- 2023 Synaptic Plasticity Group, “Dually innervated spines during development.”
- 2023 Pharmacology Seminar, “The function of dually innervated spines.”
- 2022 Synaptic Plasticity Group, “Dually innervated spines after developmental inhibition.”
- 2021 Synaptic Plasticity Group, “Viral perturbation of dually innervated spines in the CA1 hippocampus.”
- 2021 Pharmacology Seminar, “Hippocampal development of glutamatergic and GABAergic co-positive dendritic spines.”

- 2020 Synaptic Plasticity Group, "An assessment of the importance of dually innervated spines in the hippocampus compared to cortex."
- 2020 Pharmacology Seminar, "Dually innervated spines location within the hippocampus."
- 2019 Pharmacology Seminar, "Unconventional trafficking involving the spine apparatus."
- 2018 Pharmacology Seminar, "Spine apparatus localization and function in dendrites."
- 2018 Synaptic Plasticity Group, "The function of the spine apparatus."

SERVICE

University of Colorado Denver

- 2024 Behavioral Neuroscience (PSYC 4052), Course development and alignment
- 2024 Drugs, Brain & Behavior (PSYC 3265), Course development and alignment

University of Colorado Anschutz Medical School

- 2024 Rocky Mountain Trafficking Meeting, Advisor
- 2022 Department of Pharmacology University of Colorado Retreat, Head Organizer
- 2021 Department of Pharmacology University of Colorado Graduate Student Meeting, Head Organizer / Committee

University of North Dakota

- 2016 Department of Anatomy and Physiology Summer Cadaver Dissection Lab, Organizer and Lead Dissector