

Antonio Matthew Reck

PhD Candidate

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Department of Psychological Sciences

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EDUCATION

Ph.D.	University of Connecticut, Storrs, CT Behavioral Neuroscience	August 2025 (expected)
M.S.	University of Connecticut, Storrs, CT Behavioral Neuroscience Thesis: <i>Determining the Anti-Pruritic Effects of Synthetic Cannabinoids and Terpenes</i>	May 2023
B.S.	West Virginia University, Morgantown, WV Behavioral Neuroscience	December 2020

PROFESSIONAL EXPERIENCE

2022	Graduate Teaching Associate University of Connecticut - Department of Psychology
2021 – Present	Graduate Research Associate University of Connecticut - School of Nursing <i>Mentor: Steven Kinsey</i>
2019 – 2020	Undergraduate Research Assistant West Virginia University - Department of Psychology <i>Mentor: Cole Vonder Haar</i>

GRANTS, HONORS & AWARDS

2024	Best Oral Presentation Award, Carolina Cannabinoid Collaborative
2024	Trainee Scholarship, Carolina Cannabinoid Collaborative
2024	Best Abstract Award, Chemistry and Pharmacology of Drug Abuse
2024	Summer Fellowship, UConn Institute for the Brain and Cognitive Sciences
2022	Trainee Pain Research Grant, UConn Center for Advancement in Managing Pain
2022-2024	Trainee Travel Award, International Cannabinoid Research Society
2020	Graduated Cum Laude from West Virginia University
2016	WVU Promise Scholarship
2016	WVU Shenandoah Scholarship

PUBLICATIONS & MANUSCRIPTS

- Rodriguez, C.E., Vanegas, S.O., **Reck A.M.**, Schrom, Y., & Kinsey, S.G. MAGL and Combined endocannabinoid and cyclooxygenase inhibition additively attenuates postsurgical pain. *Cannabis and Cannabinoid Research*. *In press*.
- Reck, A.M.**, Siderovski, D.P., Kinsey, S.G., The synthetic cannabinoid agonist WIN 55,212-2 reduces experimental pruritus via CB2 receptor activation, *Neuropharmacology*, <https://doi.org/10.1016/j.neuropharm.2024.110216>. *In press*.
- Vanegas, S. O., **Reck, A. M.**, Rodriguez, C. E., Marusich, J. A., Yassin, O., Sotzing, G., Wiley, J. L., Kinsey, S. G. (2022). Assessment of dependence potential and abuse liability of Δ^8 -tetrahydrocannabinol in mice. *Drug Alcohol Depend*, 240. doi: 10.1016/j.drugalcdep.2022.109640.
- Vonder Haar, C., Frankot, M. A., **Reck, A. M.**, Milleson, V., & Martens, K. M. (2022). Large-N rat data enables phenotyping of risky decision-making: A retrospective analysis of brain injury on the Rodent Gambling Task. *Frontiers in Behavioral Neuroscience*, 16. <https://doi.org/10.3389/fnbeh.2022.837654>
- Pechacek, K. M., **Reck, A. M.**, Frankot, M. A., & Vonder Haar, C. (2022). Minocycline fails to treat chronic traumatic brain injury-induced impulsivity and attention deficits. *Experimental Neurology*, 348, 113924. <https://doi.org/10.1016/j.expneurol.2021.113924>
- Reck, A.M.**, Reilly, T., Vanegas, S.O., Shook, N J., Kinsey, S.G., & Casavant, S.G. Risks of cannabinoid exposure on birth outcomes: a systematic review. *Cannabis and Cannabinoid Research*. *In Preparation*.

POSTERS & PRESENTATIONS

- Reck, A.M.**, Jaakson, M., Rodriguez., C.E., & Kinsey, S.G. (2024). *MAGL Inhibition or CB₁ positive allosteric modulation reduces opioid-induced hyperalgesia in mice*. Oral presentation. Carolina Cannabinoid Collaborative, Richmond, VA, USA
- Reck, A.M.**, & Kinsey, S.G. (2024). *The CB₂ receptor is an antipruritic target in compound 48/80-induced pruritus in mice*. Poster presentation. Society for Neuroscience (SFN), Chicago, IL., USA
- Reck, A.M.**, Rodriguez., C.E., & Kinsey, S.G. (2024). *The Monoacylglycerol Lipase Inhibitor JZL184 Attenuates Opioid-Induced Hyperalgesia in Mice*. Oral & Poster presentation. Chemistry and Pharmacology of Drug Abuse (CPDA) Conference, Boston, CT, USA
- Reck, A.M.**, Siderovski, D.P., & Kinsey, S.G. (2024). *The CB₂ receptor is an anti-pruritic target in mice*. Oral presentation. International Cannabinoid Research Society (ICRS), Salamanca, Spain
- Reck, A.M.**, Siderovski, D.P., & Kinsey, S.G. (2024). *The CB₂ receptor reduces experimentally induced pruritus in mice*. Oral presentation. Neuroscience Retreat, Farmington, CT, USA.

- Reck, A.M.,** Siderovski, D.P., & Kinsey, S.G. (2024). *Activating the CB2 receptor reduces experimentally induced pruritus in mice*. Poster Presentation. SON Research & Scholarship Day, Storrs, CT, USA
- Reck, A.M.,** Siderovski, D.P., & Kinsey, S.G. (2023). *Differential effects of Δ^8 -tetrahydrocannabinol and β -caryophyllene in experimentally-induced pruritus*. Oral presentation. Carolina Cannabinoid Collaborative, Raleigh-Durham, NC, USA
- Reck, A.M.,** Siderovski, D.P., & Kinsey S.G. (2023) *Cannabinoids differentially alter experimentally-induced scratching in mice*. Poster presentation. Neuroscience at Storrs Symposium, Storrs, CT, USA
- Reck, A.M.,** Siderovski, D.P., & Kinsey S.G. (2023). *Δ^8 -THC and β -caryophyllene Differentially Alter Pruritus in Mice*. Poster presentation. International Cannabinoid Research Society, Toronto, Canada.
- Reck, A.M.,** Siderovski, D.P., & Kinsey S.G. (2023). *Differential Effects of Synthetic Cannabinoid and Terpenoid Administration on Experimentally Induced Pruritus*. Poster presentation. Department of Neuroscience Annual Retreat, Farmington, CT, USA
- Reck, A. M.,** & Kinsey, S. G. (2022). *Exploring The Antipruritic Effects of WIN 55,212-2 in Mice*. Oral presentation. UConn Cannabis Symposium, Storrs, CT, USA
- Reck, A. M.,** & Kinsey, S. G. (2022). *WIN 55,212 Reduces Pruritus Through CB₂*. Poster presentation. Neuroscience at Storrs Symposium, Storrs, CT, USA.
- Reck, A. M.,** & Kinsey, S. G. (2022). *WIN 55,212 Reduces Pruritus Through CB₂*. Poster presentation. Cannabinoid Collaborative Conference, Greenville, NC, USA.
- Reck, A. M.,** & Kinsey, S. G. (2022). *The Synthetic Cannabinoid WIN 55,212-2 Reduces Itch Through CB₂*. Oral presentation. New England Cannabis Research & Education Conference, Eastern Connecticut State University, CT, USA.
- Reck, A. M.,** Kim, F., & Kinsey, S. G. (2022). *Cannabinoid and opioid receptor approaches to reducing histamine-induced pruritus*. Poster presentation. International Cannabinoid Research Society, Galway, Ireland.
- Wampler, S. K., Fuentres, C. J. A., **Reck, A. M.** & Vonder Haar, C. (2021). *Brain injury increases impulsivity on the rodent gambling task but is not treated by neuromodulation in female rats*. Poster presentation [virtual]. National Neurotrauma Symposium.
- Reck, A. M.,** & Vonder Haar, C. (2020). *The Matching Law Fails to Explain Behavior on the Rodent Gambling Task*. Oral presentation [virtual]. Neuroscience Undergraduate Research Virtual Symposium.

TEACHING EXPERIENCE

- 2023 Pharmacology of Pain and Analgesia (NURS5103), Guest Lecturer
University of Connecticut – School of Nursing
Designed and presented content on treatments for spinal and nerve injuries for delivery to online section of 15 graduate students.

- 2022 Fundamental Mechanisms of Acute and Chronic Pain (NURS5101), Guest Lecturer
University of Connecticut – School of Nursing
Designed and presented content on treatments for neuropathic pain for delivery to online section of 12 graduate students.
- 2022 General Psychology Lab (PSYC1100), Instructor of record
University of Connecticut – Department of Psychological Sciences
Designed and presented content on research methods, delivered in-person to a laboratory section of 30 undergraduate students

ACADEMIC SERVICE

- 2024 Trainee Coordinator, UConn Center for Advancement in Managing Pain
- 2024 Journal Reviewer: Neuropharmacology
- 2023 Poster Judge: Northeast Undergraduate and Graduate Research Organization for Neuroscience (NEURON) Conference

PROFESSIONAL MEMBERSHIPS

- 2024-present Society for Neuroscience
- 2024-present UConn Institute for the Brain and Cognitive Sciences
- 2022-present International Cannabinoid Research Society
- 2022-present Carolina Cannabinoid Collaborative
- 2021-present UConn Research in Cannabinoids and Hemp Group
- 2021-present UConn Center for Advancement in Managing Pain
- 2021-2023 US Association for the Study of Pain