

Carl Erwin B. Rodriguez
Graduate Research Associate

University of Connecticut
School of Nursing
231 Glenbrook Rd U-4026
Storrs, CT 06269

carl.rodriguez@uconn.com
kinsey.lab.uconn.edu/rodriguez

Education

Ph.D. The University of Connecticut. Behavioral Neuroscience May 2025 (expected)
Mentor: Dr. Steven Kinsey
B.S. California State University, East Bay. Psychology December 2020
Mentor: Dr. Ram Kandasamy
A.A. Chabot College. Psychology December 2017
A.A. Chabot College. Math and Science May 2016

Professional Experience

2021-present Graduate Research Associate. University of Connecticut
School of Nursing, Kinsey Laboratory.
2019-2021 Research Assistant. California State University, East Bay
Psychology Department, Kandasamy Laboratory.

Publication

1. Vanegas, O., Reck, AM., **Rodriguez, C.E.**, Marusich, J., Yassin, O., Sotzing, G., Wiley, J.L., Kinsey, S.G. (2022). Assessment of dependence potential and abuse liability of 8-tetrahydrocannabinol in mice. *Drug and Alcohol Dependence. In Press.*
2. **Rodriguez, C. E. B.**, Ouyang, L., & Kandasamy, R. (2021). Antinociceptive effects of minor cannabinoids, terpenes, and flavonoids in *Cannabis*. *Behavioural Pharmacology. In press. PMID: 33709984*

Grants and Fellowships

2022-2023 Are postsurgical pain and inflammation reduced by dual inhibition of endocannabinoid and cyclooxygenase enzymes?
UConn Center for Advancement in Managing Pain
Funding received, \$1500
2022-2022 International Cannabinoid Research Society
Travel grant received, \$350
2020-2020 Preclinical evaluation of novel analgesics to treat chronic inflammatory pain
Cal State East Bay Center for Student Research
Funding received, \$4,800

Awards and Honors

- 2018-2020 Dean's List, California State University, East Bay
2015-2017 Academic honor list, Chabot College

Teaching Experience

- 2022-2022 Teaching Assistant, 2 Psychology Lab (1100) sections

Oral Presentations

1. **Rodriguez, C.E.**, Frances Kim, Yasmin Schrom and Kinsey, S.G (2022), Co-administration of MAGL and COX inhibitors attenuates post-surgical pain in mice. Presented at Carolina Cannabinoid Collaborative Conference, Greenville, North Carolina USA
2. **Rodriguez, C.E.**, and Kinsey, S.G (2022), Increasing endocannabinoids to reduce postoperative pain. Presented at New England Cannabis Research & Education Conference, Eastern Connecticut State University, CT, USA.
3. **Rodriguez, C.E.**, and Kinsey, S.G (2022), Increasing endocannabinoid 2-AG attenuates post-surgical pain in mice. Presented at UConn Center for Advancement in Managing Pain, Storrs, CT, USA.
4. Vanegas, S. O., Reck, A. M., **Rodriguez, C. E.**, Marusich, J., Yassin, O., Sotzing, G., Wiley, J., Kinsey, S. G. (2022), $\Delta 8$ -THC is a psychoactive drug with a similar abuse profile as $\Delta 9$ -THC. Presented at New England Cannabis Research & Education Conference, Eastern Connecticut State University, CT, USA.
5. Vanegas, S. O., Reck, A. M., **Rodriguez, C. E.**, Yassin, O., Sotzing, G., Kinsey, S. G. (2022) Mice develop physical dependence to the minor phytocannabinoid $\Delta 8$ -tetrahydrocannabinol. Presented at UConn Center for Advancement in Managing Pain, Storrs, CT, USA.
6. Vanegas, S. O., Reck, A. M., **Rodriguez, C. E.**, Yassin, O., Sotzing, G., Kinsey, S. G. (2022) Nutraceutical grade $\Delta 8$ -THC reduces pain but causes physical dependence in mice. Presented at Research in Cannabinoids and Hemp group at the University of Connecticut, Storrs, CT, USA.

Extramural Research Presentations

1. Kinsey, S.G. and **Rodriguez, C.E.** (2022), Cannabinoid approaches to reduce post-surgical pain (2022). Poster was presented at Society of Neuroscience annual symposium, San Diego, California, USA.
2. **Rodriguez, C.E.** and Kinsey, S.G. (2022), MAGL inhibition attenuates post-surgical pain in mice. Poster was presented at the International Cannabinoid Research Society Annual Symposium, Galway, Ireland.
3. Vanegas, S. O., Reck, A. M., **Rodriguez, C. E.**, Marusich, J., Yassin, O., Sotzing, G., Wiley, J., Kinsey, S. G. (2022). "Assessment of dependence potential and abuse liability

of $\Delta 8$ -tetrahydrocannabinol in mice. Poster was presented at the International Cannabinoid Research Society Annual Symposium, Galway, Ireland.

4. Quintana, T., **Rodriguez, C.E.**, Ouyang, L. and Kandasamy, R. (2021), Analysis of Formalin-depressed Wheel Running and its Reversal by Ketoprofen. The FASEB Journal, 35:.. <https://doi.org/10.1096/fasebj.2021.35.S1.03294>. *Presented virtually due to the 2020 COVID-19 outbreak.*
5. Ouyang, L., **Rodriguez, C.E.**, Quintana, T. and Kandasamy, R. (2021), A Low Dose of Loperamide Restores Normal Activity Without Disruptive Side Effects in Rats with Chronic Inflammatory Pain. The FASEB Journal, 35:.. <https://doi.org/10.1096/fasebj.2021.35.S1.03036>. *Presented virtually due to the 2020 COVID-19 outbreak.*
6. Ouyang L., **Rodriguez, C.**, Quintana T., Kandasamy R. (2021). A computerized running wheel system effectively captures the behavioral effects of pain and opioid analgesics in laboratory rats. Poster was presented at the CSU Biotechnology Annual Symposium. *Presented virtually due to the 2020 COVID-19 pandemic.*
7. Quintana T., **Rodriguez, C.**, Serrano A.K., Ouyang L., Kandasamy R. (2020). Analysis of acute and chronic inflammatory pain-depressed wheel running in the rat. Poster was presented at the Western Psychological Association Annual Convention, San Francisco, California, USA. *Presented virtually due to the 2020 COVID-19 pandemic.*
8. Quintana T., **Rodriguez, C.**, Serrano A.K., Ouyang L., Kandasamy R. (2020). Analysis of acute and chronic inflammatory pain-depressed wheel running in the rat. Poster was presented at the American Society for Pharmacology and Experimental Therapeutics Annual Meeting, San Diego, California, USA. Poster 579.10/C27. *Presented virtually due to the 2020 COVID-19 outbreak.*

Intramural Research Presentations

1. **Rodriguez, C.E.**, Frances Kim, Yasmin Schrom and Kinsey, S.G (2022), Co-administration of MAGL and COX inhibitors attenuates post-surgical pain in mice. Presented at the UConn annual Neuroscience symposium Storrs, Connecticut USA
2. **Rodriguez, C.E.** and Kinsey, S.G. (2022), MAGL inhibition attenuates post-surgical pain in mice. Poster was presented at the University of Connecticut Department of Psychological Sciences annual poster night.
3. Quintana T., **Rodriguez, C.**, Serrano A.K., Ouyang L., Kandasamy R. (2020). Analysis of acute and chronic inflammatory pain-depressed wheel running in the rat. Poster was presented at the Cal State East Bay Student Research Symposium, Hayward, California, USA. *Presented virtually due to the 2020 COVID-19 pandemic.*
4. Ouyang L., **Rodriguez, C.**, Quintana T., Kandasamy R. (2020). Peripherally restricted opioids restore normal activity without disruptive side effects in rats with chronic inflammatory pain. Poster was presented at the Cal State East Bay Student Research Symposium, Hayward, California, USA. *Presented virtually due to the 2020 COVID-19 pandemic.*

Departmental/University service

- 2021-present Husky Mentor (UConn)
2021-present UConn - Mentoring Aspiring Graduate students and building an Inclusive Community (MAGIC)

Language

Native Filipino (Tagalog & Visaya)

Professional Membership

- 2022-present The International Cannabinoid Research Society
2021-present UConn Center for Advancement in Managing Pain
2020-2022 The American Society for Pharmacology and Experimental Therapeutics.
2019-present Psi Chi Honor Society.