

Katherine M. Serafine

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EDUCATION

- 2012 Ph.D.** **Behavior, Cognition, and Neuroscience,**
American University, Washington, DC
- 2009 M.A.** **Biological/Experimental Psychology,**
American University, Washington, DC
- 2005 B.A.** **Psychology,**
Norwich University, Northfield, VT

PROFESSIONAL APPOINTMENTS

- 2021- present** **Associate Professor with Tenure, The University of Texas at El Paso**
(UTEP), Department of Psychology, El Paso, TX
- 2022 - 2023** **American Psychological Association (APA)/American Association for**
the Advancement of Science (AAAS) Executive Branch Fellow,
Science Policy and Evaluation Branch, Office of Science Policy, Planning
and Communications, National Institute on Mental Health, Bethesda, MD
- 2021- 2022** **Biomedical Research Awareness Day Program Specialist & Social**
Media Coordinator, Americans for Medical Progress, Washington, DC
- 2015 – 2021** **Tenure Track Assistant Professor, UTEP,** Department of Psychology, El
Paso, TX
- 2012-2015** **Postdoctoral Fellow, The University of Texas Health Science Center**
(UTHSCSA) Department of Pharmacology, San Antonio, TX
- 2011-2012** **Adjunct Faculty, George Washington University**
Department of Psychology, Washington, DC
- 2011** **Summer Research Fellow, National Institute on Drug Abuse**
Minority Research Training Program
Molecular Neurobiology Branch, Baltimore, MD
- 2009-2011** **Adjunct Faculty, American University**
Department of Psychology, Washington, DC
- 2009-2010** **Research Assistant, Uniformed Services University of the Health**
Sciences, Department of Medical and Clinical Psychology, Bethesda, MD

PEER-REVIEWED PUBLICATIONS

*indicates student/trainee author

My Bibliography:

<https://www.ncbi.nlm.nih.gov/sites/myncbi/katherine.serafine.1/collections/59660025/public/>

1. Cruz B, Ortegon O, Matos F, Rodriguez-Crespo A, *Galindo KI, **Serafine KM**, Nazarian A, O'Dell LE. (2021) Insulin resistance produced by a high fat diet regimen enhances the reinforcing effects of nicotine to a greater extent in female versus male rats. *Neuropharmacology, Special Issue: Vulnerabilities in Substance Abuse*, 1;200:108787.doi: 10.1016/j.neuropharm.2021.108787. Epub 2021 Sept 24. [PMID: 34571112](#)
2. **Serafine KM**, O'Dell LE, Zorilla EP. (2021) Converging vulnerability factors for compulsive food and drug use. *Invited review paper, Neuropharmacology, Special Issue: Vulnerabilities in Substance Abuse*. 15; 196:108556. doi: 10/1016/j.neuropharm.2021.108556. Epub 2021 Apr 20. [PMID: 33862029](#)
3. *Beltran NM, *Ramos J, *Galindo KI, *Echeverri JI, *Cruz B, *Hernandez-Casner C, **Serafine KM**. (2021) Intermittent dietary supplementation with fish oil prevents high fat diet-induced enhanced sensitivity to dopaminergic drugs. *Behavioural Pharmacology*, 32(1): 9-20. [PMID: 33399293](#)
4. Charles N, Strong S, Burns L, Bullerjahn M, **Serafine KM**. (2021) Increased mood disorder symptoms, perceived stress, and alcohol use among college students during the COVID-19 pandemic. *Psychiatry Research*, 296:113706.doi: 10.1016/j.psychres.2021.113706. Epub 2021 Jan 5. [PMID: 33482422](#)
5. Darcey VL, **Serafine KM**. (2020) Omega-3 fatty acids and vulnerability to addiction: Reviewing preclinical and clinical evidence. *Current Pharmaceutical Design*, 26(20): 2385-2401. [PMID: 32348211](#)
6. *Ramos J, *Hardin EJ, *Grant AH, *Flores-Robles G, *Gonzalez AT, *Cruz B, *Martinez AK, *Beltran NM, **Serafine KM**. (2020) The effects of eating a high fat diet on sensitivity of male and female rats to methamphetamine and dopamine D₁ receptor agonist SKF 82958. *Journal of Pharmacology and Experimental Therapeutics*, 374(1):6-15. [PMID: 32265322](#)
7. *Hernandez-Casner C, *Woloshchuk CJ, *Poisson C, *Hussain S, *Ramos J, **Serafine KM**. (2019) Dietary supplementation with fish oil reverses high fat diet-induced enhanced sensitivity to the behavioral effects of quinpirole. *Behavioural Pharmacology*, 30(4): 370-375. [PMID: 31085944](#)
8. Cruz B, Flores RJ, Uribe KP, Espinosa EJ, Spencer CT, **Serafine KM**, Nazarian A, O'Dell LE. (2019) Insulin modulates the strong reinforcing effects of nicotine and changes in insulin biomarkers in a rodent model of diabetes. *Neuropsychopharmacology*, 44(6): 1141-1151. [PMID: 30647447](#)
9. *Ramos J, *Hernandez-Casner C, *Cruz B, **Serafine KM**. (2019) Sex differences in high fat diet-induced impairments to striatal Akt signaling and enhanced sensitivity to the behavioral effects of dopamine D₂/D₃ receptor agonist quinpirole. *Physiology & Behavior, Special issue: Hormones, Sex Differences and Drug Response* 1; 203: 25-32. [PMID: 29154786](#)
10. *Hernandez Casner, C, *Ramos J, **Serafine KM**. (2017) Dietary supplementation with fish oil prevents high fat diet-induced enhancement of sensitivity to the behavioral effects of quinpirole. *Behavioural Pharmacology* 28(6): 477-484. [PMID: 28574870](#)

11. **Serafine KM**, Rice KC, France CP. (2016) Characterization of the discriminative stimulus effects of lorcaserin in rats. *Journal of the Experimental Analysis of Behavior*, 106(2): 107-116. [PMID: 27640338](#)
12. **Serafine KM**, *Labay C, France CP. (2016) Dietary supplementation with fish oil prevents high fat diet-induced enhancement of sensitivity to the locomotor stimulating effects of cocaine in adolescent female rats. *Drug and Alcohol Dependence*, 165:45-52. [PMID: 27242289](#)
13. **Serafine KM**, Rice KC, France CP. (2015) Directly observable behavioral effects of lorcaserin in rats. *Journal of Pharmacology and Experimental Therapeutics*, 355: 381-385. [PMID: 26384326](#)
14. **Serafine KM**, *Bentley TA, *Kilborn DJ, Koek W, France CP. (2015) Drinking sucrose or saccharin enhances sensitivity of rats to quinpirole-induced yawning. *European Journal of Pharmacology*, 764: 529-536. [PMID: 26189020](#)
15. **Serafine KM**, *Bentley TA, Koek W, France CP. (2014) Eating high fat chow, but not drinking sucrose or saccharin, enhances the development of sensitization to the locomotor effects of cocaine in adolescent female rats. *Behavioural Pharmacology*, 26: 321-325. [PMID: 25485647](#)
16. **Serafine KM**, *Bentley TA, *Grenier AE, France CP. (2014) Eating high fat chow and the behavioral effects of direct- and indirect-acting dopamine receptor agonists in female rats. *Behavioural Pharmacology*, 25:287-295. [PMID: 24949571](#)
17. **Serafine KM**, France CP. (2014) Restricted access to standard or high fat chow alters sensitivity of rats to the 5-HT_{2A/2C} receptor agonist 1-(2,5-dimethoxy-4-methylphenyl)-2-aminopropane (DOM). *Behavioural Pharmacology*, 25:44-52. [PMID: 24346289](#)
18. *Briscione MA, **Serafine KM**, *Merluzzi AM, Rice KC, Riley AL. (2013) The effects of 5-HT₃ antagonism on cocaine-induced conditioned taste aversions. *Pharmacology, Biochemistry and Behavior*, 105: 112–117. [PMID: 23415734](#)
19. **Serafine KM**, *Briscione MA, Rice KC, Riley AL. (2012) Dopamine mediates cocaine-induced conditioned taste aversions as demonstrated with cross-drug preexposure to GBR 12909. *Pharmacology, Biochemistry and Behavior*, 102: 269-274. [PMID: 22579912](#)
20. **Serafine KM**, *Briscione MA, Riley AL. (2012) The effects of haloperidol on cocaine-induced conditioned taste aversions. *Physiology and Behavior*, 105: 1161-1167. [PMID: 22212241](#)
21. **Serafine KM**, Riley AL. (2010) Preexposure to cocaine attenuates aversions induced by both cocaine and fluoxetine: Implications for the basis of cocaine-induced conditioned taste aversions. *Pharmacology, Biochemistry and Behavior*, 95: 230-234. [PMID: 20122955](#)
22. **Serafine KM**, Riley AL. (2009) Possible role of norepinephrine in cocaine-induced conditioned taste aversions. *Pharmacology, Biochemistry and Behavior*, 92: 111-116. [PMID: 19027784](#)
23. Roma PG, Rinker JA, **Serafine KM**, Chen SA, Barr CS, Cheng K, Rice KC, Riley AL. (2008) Genetic and early environmental contributions to alcohol's aversive and physiological effects. *Pharmacology, Biochemistry and Behavior*, 91: 134-139. [PMID: 18639579](#)

UNDER REVIEW MANUSCRIPTS *under review are amid the peer-review process.

24. *Beltran NM, Ramos J, Landavazo A, Blough BE, **Serafine KM**. (under review) Eating a high fat diet enhances sensitivity of rats to serotonin syndrome.

EDITED BOOK CHAPTERS

Serafine KM, Riley AL. Cocaine-induced conditioned taste aversions: Role of monoamine reuptake inhibition. In Hall, FS. ed. 2013 *Serotonin: Biosynthesis, Regulation and Health Implications*, Hauppauge, NY: NOVA Science Publishers, Inc. ISBN: 978-1-62417-636-4 [Available here.](#)

RESEARCH FUNDING

Current

- 2023-2027** **R16 GM149426-01** (Serafine, PI) Title: The effects of eating a high fat diet on the therapeutic and abuse-related effects of morphine. Description: SURE proposal to assess the antinociceptive effects, as well as the adverse effects, tolerance and withdrawal produced by morphine in rats eating different diets. **Role: PI**, Total Award Amount: \$605,440.00
- 2020-2023** **NSF 1947551** (Heckert, PI) Title: Emotional distress and pathways of embodied maternal health vulnerability among immigrant women on the US-Mexico border. Description: Project examining stress among immigrant women. **Role: Co-PI**, analyzing cortisol samples collected from women. Total Award Amount: \$318,383.00

Completed

- 2022-2024** **NIDA-funded RCMI Supplement 3U54MD007592-29S4: Pilot Project** Title: The impact of diet on the therapeutic, rewarding, and aversive effects of morphine. Description: Pilot project proposal submitted through Parent U54 BBRC grant at UTEP (Kirkin, PI). Completed early (Fall 2023). **Supplement Role: PI**, Total Award Amount: \$147,840.00
- 2021** **Career Enhancement Award**, College of Liberal Arts, UTEP. Description: Research support for grant proposal development during Summer 2021. **Role: PI**
- 2020** **University Research Institute**, UTEP, Pilot Project Award Title: The interaction between sex hormones and diet on sensitivity of females to cocaine. Description: UTEP internal funding mechanism to support research. **Role: PI**
- 2020** **Career Enhancement Award**, College of Liberal Arts, UTEP. Description: Salary support for time off from teaching to develop and submit federal grant proposals during Spring 2020. **Role: PI**
- 2018-2019** **UTEP College of Liberal Arts Proposal Enhancement Funds**. Description: Pilot project funds to collect data related to an upcoming federal grant proposal submission. **Role: PI**
- 2016-2018** **Rising Faculty Science and Technology Acquisition and Retention (STARs) Program Grant**. Description: Research funds for startup and for recruiting new faculty from The University of Texas Systems. **Role: PI**

TEACHING/TRAINING-RELATED FUNDING

Current

2020-2028 **R25 DA033613 (O'Dell, PI)** Title: Summer Mentoring and Research Training: Methods in Neuroscience of Drug-abuse (SMART:MIND)
Description: Undergraduate training grant to facilitate summer neuroscience research in addiction.
Role: ***Co-PI**, assist with grant management and program coordination.
**Temporarily stepped down from Fall 2022-Fall 2023 during APA fellowship role.*

Completed

2022 **Summer Undergraduate Research Fellowship (SURF) AWARD**, \$2800
Awarded to Madeline Elsey, Funded by the American Society for Pharmacology and Experimental Therapeutics

2019-2020 **Caetano Alcohol Research Award**, \$2500 Awarded to Kayla Galindo, Funded by the Latino Alcohol and Health Disparities Research Center

2019-2020 **TeachTech Research Award**, small grant to create innovative and affordable classroom materials, UTEP. [Details here.](#)

2019 **SURF AWARD**, \$2800 Awarded to Nina Beltran, Funded by the American Society for Pharmacology and Experimental Therapeutics

TEACHING EXPERIENCE

2015- Present **The University of Texas at El Paso**
Department of Psychology, El Paso, TX
Graduate Courses: Psychopharmacology
 Neuroscience Seminar

 Undergraduate Courses: Introduction to Psychology
 Introductory Neuroscience
 Drugs of Abuse and Behavior

2011 **George Washington University**
Department of Psychology, Washington, DC
Undergraduate Course: General Psychology

2009-2011 **American University**
Department of Psychology, Washington, DC
Undergraduate Courses: Psychology as a Natural Science
 Drugs and Behavior

RECENT AWARDS AND HONORS

2023 **Transforming Biomedical Research and Academic Faculty through Leadership Opportunities, Training and Mentorship (TRANSFORM) Scholar**, formal leadership training program for underrepresented mid-career faculty, Supported by R25 5R25GM143262-02 at the University of Pittsburgh.

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- 2022** **Shideman-Sterling Lectureship Award**, selected by the Department of Pharmacology, University of Minnesota, Minneapolis, MN.
- 2020-2021** **Biomedical Research Awareness Day (BRAD) Senior Fellow**, sponsored by the American College of Neuropsychopharmacology (ACNP) and Americans for Medical Progress (AMP). Advocacy/outreach program promoting animal research.
- 2020** **College of Liberal Arts Mentoring Award**, sponsored by BUILDing Scholars to recognize excellence in mentoring students in research by one full-time faculty member from each college, UTEP
- 2019** **Future Research Leader**, NIH Scientific Diversity Workforce Office, selected as one of ~30 leaders to participate in the Future Research Leaders Conference at NIH, Bethesda, MD
- 2019-2020** **BRAD Fellow**, sponsored by the American College of Neuropsychopharmacology (ACNP) and Americans for Medical Progress (AMP). [Details here](#). Advocacy/outreach program promoting animal research.
- 2018** **Department of Psychology Nominee** for the University of Texas (UT) Systems Regents' Outstanding Teaching Award, UTEP
- 2018** **Diversity Scholars Network**, National Institute on Drug Abuse (NIDA), program for underrepresented minority junior faculty
- 2018** **Nominee**, Young Psychopharmacologist Award, American Psychological Association Division 28: Psychopharmacology and Substance Abuse
- 2017** **College of Liberal Arts Nominee** for the UT Systems Regents' Outstanding Teaching Award, UTEP
- 2017** **Department of Psychology Nominee** for the UT Systems Regents' Outstanding Teaching Award, UTEP
- 2015** **Mentoring Institute for Neuroscience Diversity (MIND) Scholar**, Early career faculty mentoring program for underrepresented minorities, supported by R25, NS076414 at University of Florida
- 2015** American Society for Pharmacology and Experimental Therapeutics (ASPET) **Washington Fellow**, science policy/advocacy program.
- 2013-2015** Ruth L. Kirschstein **National Research Service Award** (NRSA, T32 DA031113), Postdoctoral Training Fellowship in Drug Abuse Research: Behavior and Neurobiology

RECENT TRAVEL AWARDS

- 2019** **Travel Award**, Texas Research Society on Alcoholism (TRSA), to attend annual meeting in San Antonio, TX
- 2017** **Travel Award**, NIH BUILDing Scholars, to present at the annual meeting of the ASPET in Chicago, IL

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- 2016** **Travel Award**, National Institute on Drug Abuse (NIDA) Women & Sex/Gender Differences, to present at the annual meeting of the College on Problems of Drug Dependence (CPDD) in Palm Springs, CA
- 2016** **Travel Fellowship**, Winter Conference on Brain Research to present and co-chair a panel at the annual meeting in Breckenridge, CO

MENTORING EXPERIENCE

89.3% of trainees mentored since 2015 at UTEP identify as ethnic or racial underrepresented minorities in STEM or identify as members of the LGBTQ2IA+ community.

UTEP Undergraduates Funded by Training Grants

NIH R25 DA033613 SMART-MIND Trainees

2023	Natalia Martinez
2022	Alyssa Parra
2022	Ana Paulina Serrano
2021	Isabella Castro
2019	Alex Serna
2018	Hunter Franks
2018	Adam Avila
2017	Adrian Gonzales
2016	Claudia Woloshchuk
2016	Carli Poisson

NIH TL4 GM118971, UL1 GM118970, RL5 GM118969 BUILDing SCHOLARS Trainees

2019-present	Madeline Elsey, *High School student research assistant (2018-2019)
2015-2018	Caroline Hernandez-Casner
2015	Sarah Rodarte

NIH R25 GM069621 RISE Research Scholars Trainees

2019-present	Oscar Sandoval
2017-2019	Nina Beltran, *ASPET Summer Undergraduate Research Fellowship (SURF) Individual Award (summer 2019)

UTEP Undergraduate Research Volunteers

2023- present	Leslie Sullivan
2022- present	Natalia Martinez *SMARTMIND student 2023
2022- present	Alyssa Parra *SMARTMIND student 2022
2021-2022	Erika Denio
2020-2022	Guillermo Ornelas *UTEP Summer Undergraduate Research Program Assistantship (SURPASS) student 2021
2019-2021	Amanda Alfsen
2019-2021	Nayla Bejarano
2019-present	Isabella Castro *SMARTMIND student 2021
2019-2021	Raymond Mendoza *UTEP SURPASS student 2020
2018-2019	Arantxa Martinez
2018-2019	Jose Echeverri
2017-2019	Ethan Hardin, *NIH BUILD summer student (2018), UTEP Mentored Experiences in Research, Inquiry, and Creativity for Undergraduate Scholars (MERITUS) student 2018-2019

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2017-2019	Paloma Serna, *NIH BUILD summer student (2018), UTEP MERITUS student 2018-2019
2017-2018	Grace Flores-Robles, *NIH BUILD summer student (2017)
2016-2017	Edith Hernandez
2016	Ivan Herrejon
2016	Adriana Rico
2016	Alicia Lopez

UTEP Graduate Students

2020-present	Nina Beltran *former undergraduate student (see above)
2017-2021	Kayla Galindo
2015-2019	Jeremiah Ramos
2016-2017	Samirah Hussain

Other Mentoring Experience

2023-present	Stephanie Phillips, research volunteer, UTEP
2023-present	Amber Quintero, research volunteer, UTEP
2021-present	Sanjana Mada, medical student, Texas Tech Health Science Center
2015	Caitlin Labay, ASPET SURF student, The University of Texas Health Science Center at San Antonio (UTHSCSA)
2014	Ghazal Saleh, Health Careers High School student, UTHSCSA
2013-2014	Dylan Kilborn, Health Careers High School student, UTHSCSA
2012-2013	Todd Bentley, Health Careers High School student, UTHSCSA
2012	Amandine Grenier, undergraduate summer student, UTHSCSA
2011-2012	Andrew Merluzzi, undergraduate research assistant, American University
2010-2012	Maria Briscione, undergraduate research assistant, American University

STUDENT PRESENTATION/POSTER AWARDS

American Society for Pharmacology and Experimental Therapeutics (ASPET)- Behavioral Pharmacology Division Poster Competition

2022	Nina Beltran 3 rd Place Graduate Poster Award (Dolores C. Shockley)
2019	Ethan Hardin 2 nd Place Undergraduate Poster Award
2018	Caroline Hernandez-Casner 1 st Place Undergraduate Poster Award
2016	Caitlin Labay 1 st Place Undergraduate Poster Award
2013	Maria Briscione 2 nd Place Undergraduate Poster Award

UTEP Campus Office for Undergraduate Research Initiatives (COURI) Symposia

Summer 2019	Nina Beltran, Life Sciences Division, Best Poster Award
Summer 2019	Madeline Elsey, Life Sciences Division, Honorable Mention Poster Award
Spring 2019	Nina Beltran - Life Sciences Division, Honorable Mention Poster Award
Spring 2017	Caroline Hernandez-Casner, Life Sciences Division, Best Poster Award
Summer 2016	Carli Poisson, Physics & Natural Sciences Division, Best Poster Award

STUDENT TRAVEL AWARDS

Behavior, Biology & Chemistry: Translational Research in Addiction (BBC) Conference held annually in San Antonio, TX

2023	Nina Beltran *also awarded in 2018, 2019, 2020 and 2022
2023	Alyssa Parra
2023	Sanjana Mada

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2022	Isabella Castro
2022	Guillermo Ornelas
2020	Kayla Galindo *also awarded in 2018 and 2019
2020	Madeline Elsey *also awarded in 2019
2020	Oscar Sandoval
2019	Arantxa Martinez
2019	Ethan Hardin
2019	Paloma Serna
2018	Caroline Hernandez-Casner *also awarded in 2017 and 2016
2018	Jeremiah Ramos *also awarded in 2016
2017	Samirah Hussain

American Society for Pharmacology and Experimental Therapeutics (ASPET) at Experimental Biology (EB) location varies, ^meeting canceled due to COVID-19

2023	Nina Beltran – St. Louis, MO *ASPET only (EB disbanded)
2022	Nina Beltran – Philadelphia, PA
2020	Nina Beltran- San Diego, CA^
2020	Kayla Galindo- San Diego, CA *funded by UTEP/Grad School^
2019	Kayla Galindo- Orlando, FL
2019	Ethan Hardin- Orlando, FL
2019	Kayla Galindo- Orlando, FL *funded by UTEP/Dodson
2018	Kayla Galindo- San Diego, CA *funded by the Federation for American Societies on Experimental Biology (FASEB)
2018	Caroline Hernandez-Casner- San Diego, CA *also awarded in 2017, Chicago, IL
2018	Jeremiah Ramos- San Diego, CA *also awarded in 2016, San Diego, CA
2016	Caitlin Labay- San Diego, CA

Texas Research Society on Alcoholism (TRSA) in San Antonio, TX

2019	Nina Beltran
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RECENT INVITED TALKS / ORAL PRESENTATIONS

*indicates student/trainee author

1. **Serafine KM** (2023) *Animal Research in Addiction Science: Historical Examples and How to Become an Advocate*. Division of Addictions at Yale (DAY) Seminar, Department of Psychiatry, Yale University School of Medicine, Hartford, CT.
2. **Serafine KM** (2022) *You Are What You Eat: How Dietary Intake Alters Drug Sensitivity*. Shideman-Sterling Lectureship, Department of Pharmacology, University of Minnesota, Minneapolis, MN. More Information Available Here: <https://med.umn.edu/news-events/pharmacology-seminar-series-kathryn-serafine-10am>
3. **Serafine KM** (2022) *The Historical Role of Animal Research in Addiction Science*. Presidential Symposium, The College on Problems of Drug Dependence (CPDD), Minneapolis, MN. Press Release Available Here: <https://cpdd.org/cpdd-announces-2022-presidential-symposia-speakers/>

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4. **Serafine KM** (2021) *Diet and Drug Sensitivity*. Invited Speaker, Basic Research and Instruction in Neuroscience (BRAIN) Alliance, California State University Long Beach, Long Beach, CA.
5. **Serafine KM** (2020) *Omega 3 fatty acids block diet-induced enhancement of dopamine-dependent behaviors*. Presentation of research and mentorship as part of the tenure/promotion process, Department of Psychology, The University of Texas at El Paso, El Paso, TX.
6. **Serafine KM** (2020) *Diet, Dopamine and Drug Abuse*. Invited speaker, Department of Pharmacology, University of Michigan, Ann Arbor, MI. More Information Available Here: <https://medicine.umich.edu/dept/pharmacology/events/202002/pharmacology-seminar-series-katherine-serafine-phd>
7. **Serafine KM** (2019) *Predicting and preventing metabolic syndrome in rats*. Invited speaker, Future Research Leaders Conference, National Institutes of Health, Bethesda, MD.
8. **Serafine KM** (2018) *Using “good fats to combat the effects of “bad fats” on drug sensitivity*. Invited seminar speaker, School of Life Sciences, Arizona State University, Tempe, AZ.
9. **Serafine KM** (2018) *Omega-3 fatty acids prevent and reverse high fat diet-induced enhanced sensitivity to dopaminergic drugs*. Invited seminar speaker, Department of Psychology, California State University Long Beach, Long Beach, CA.
10. **Serafine KM** (2018) *Fighting fat with fat: Dietary supplementation with omega-3 fatty acids prevents and reverses high fat diet-induced enhanced sensitivity to the behavioral effects of dopaminergic drugs*. Invited speaker at the annual meeting of ASPET at Experimental Biology, San Diego, CA.
11. **Serafine KM** (2016) *Dopamine system dysfunction: A common feature of drug abuse and metabolic disease*. Invited speaker at the College of Health Sciences Healthy Exchange Lecture Series, The University of Texas at El Paso, El Paso, TX.
12. **Serafine KM** (2016) *High fat diet-induced dopamine system dysfunction: Implications for obesity and metabolic diseases*. Invited speaker at the San Antonio Life Sciences Institute Neuroscience Symposium: Translational Immunology, held at the University of Texas at San Antonio, San Antonio, TX.
13. **Serafine KM**, *Hernandez-Casner C, and *Ramos J. (2016) *Sex differences in high fat diet-induced enhancement of sensitivity to the behavioral effects of the dopamine D₂/D₃ receptor agonist quinpirole in adolescent rats*. Oral communication presented at the annual meeting of the College on Problems of Drug Dependence, Palm Springs, CA.
14. **Serafine KM**. (2016) *Dietary impact on the behavioral effects of drugs*. Oral communication presented in a panel at the Winter Conference on Brain Research, Breckenridge, CO.

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LEADERSHIP/ADMINISTRATIVE POSITIONS HELD

- 2023 – present** **Associate Department Chair, Department of Psychology**, UTEP
Duties: Advise the Department Chair in high level decision making that might impact faculty or graduate students.
- 2021 – present** **Graduate Program Director, Department of Psychology**, UTEP
Duties: Oversee Graduate Program Committee activities including graduate curriculum changes and review, graduate admissions, grad student advising, graduate student funding, benefits and hiring, and serve as a liaison between Department of Psychology and Graduate School.
- 2019 – present** **Co-Director, Undergraduate Neuroscience Major**, UTEP
Duties: Co-directing UTEP's first interdisciplinary undergraduate major alongside faculty in Biological Sciences, oversee curriculum changes and review, and provide guidance and support to undergraduate advising staff.

RECENT SERVICE AT LARGE

- 2021-present** **Committee Member**, Supporting Truth about Animal Research (STAR) Coalition, representative from the American College of Neuropsychopharmacology (ACNP), Washington, DC
- 2021-present** Behavior, Biology, and Chemistry: Translational Research in Addiction (BBC) Conference, Diversity **Task Force Member**, San Antonio, TX
- 2021-2022** American Society for Pharmacology and Experimental Therapeutics (ASPET) Diversity **Task Force Member**, Washington, DC
- 2021** **Invited advocate**, American Psychological Association, selected to advocate about the importance of animal research to elected officials.
- 2021** **Invited advocate**, Federation of American Societies for Experimental Biology (FASEB), selected to represent FASEB and ASPET while advocating for appropriations for scientific research funding.
- 2021-present** **Committee Member**, Animals in Research, College on Problems of Drug Dependence (CPDD), **Committee Chair** 2023-present
- 2020** **Invited advocate**, STAR Coalition, selected to represent ACNP while advocating about the importance of animal research to elected officials.
*Hill day cancelled due to COVID-19
- 2019-2022** ASPET Science Policy **Committee Member**, Washington, DC
- 2019-present** **Committee Member**, Animal Research Committee, ACNP
- 2019** **Guest Speaker**, NIDA T32 Training Grant, UTHSCSA, San Antonio, TX
- 2018, 2019** **Session Chair**, *Oral Communications Session*, BBC Conference, San Antonio, TX

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- 2018** **Early Career Reviewer**, Biobehavioral Regulation, Learning and Ethology BRLE Study Section, Special Emphasis Panel/Scientific Review Group, NIH Center for Scientific Review, Bethesda, MD
- 2018** **Panel member**, *Wondering about Women in Science*, BBC Conference, San Antonio, TX
- 2018-2021** **Member, National Standards Advisory Panel**, High School Psychology Curricula (2022 Revision), American Psychological Association
- 2016- 2021** Conference Programming **Committee Member**, BBC Conference, San Antonio, TX
- 2016- 2017** Travel Awards Task Force **Committee Member**, ASPET, Washington, DC
- 2016** **Panel Co-Chair**, *Grub, Smokes and Slippery Slopes*, Winter Conference on Brain Research, Breckenridge, CO
- 2015-2018** Mentoring and Career Development **Committee Member**, ASPET, Washington, DC
- 2015-2017** Executive **Committee Member**, Behavioral Pharmacology Division, ASPET, Washington, DC

RECENT SERVICE AT UTEP

- 2020** College of Liberal Arts Research **Task Force Member**, UTEP Task Force formed to develop strategies for safe research practices during the pandemic and reopening.
- 2020-2021** Behavioral Ecology Faculty Search **Committee Member**, Department of Biological Sciences, UTEP
- 2019-2020** Social/Cultural Psychology Faculty Search **Committee Member**, Department of Psychology, UTEP
- 2019** **Workshop Speaker**, *Using Individual Development Plans with Your Trainees*, Graduate School workshop series for faculty
- 2018- present** Alternate **Committee Member**, Institutional Animal Care and Use Committee (IACUC)
- 2018-present** Risk Response and Prevention **Committee Member**, Department of Psychology, UTEP
- 2016- present** **Faculty Advisor**, Women Interested in STEM Education (WIISE) Student Organization
- 2015, 2016** **Panel member**, UTEP chapter of Psi Chi, Spring Recruitment Event
- 2015- present** **Affiliated faculty**, Border Biomedical Research Center
- 2015- present** Graduate Programming **Committee Member**, Department of Psychology
- 2015- present** UTEP/BBC **Liaison**, coordinating funding for UTEP trainees to attend the BBC meeting in San Antonio, TX annually

GRADUATE STUDENT DEFENSE COMMITTEES

University of Texas at El Paso

- 2023-present** **Dissertation Committee Chair** for Nina Beltran, Ph.D. student:
Dissertation Title: The effects of vitamin D supplementation on drug sensitivity. Department of Psychology, UTEP, El Paso, TX
- 2022- 2023** **Dissertation Committee Member** for Israel Garcia, Ph.D. Candidate:
Dissertation Title: Long-term effects of juvenile ketamine and/or social stress exposure on spatial memory performance in C57BL/6 mice. Department of Psychology, UTEP, El Paso, TX
- 2022-2023** **Thesis Committee Member** for Pauline Ku, M.A. Candidate: Thesis Title:
I lie awake, a coming-of-age novel with themes of mental illness, trauma, and racism. Department of Creative Writing, UTEP, El Paso, TX
- 2022- present** **Dissertation Committee Member** for Valeria Garcia, Ph.D. Candidate:
Dissertation Title: Functional mapping of brain reward structures in male and female rats: Characterizing brain reward systems to improve research on substance use disorders. Department of Psychology, UTEP, El Paso, TX
- 2022** **Thesis Committee Chair** for Nina Beltran, M.A., Candidate: Thesis Title:
The effects of diet on sensitivity of rats to the adverse effects of serotonergic drugs. Department of Psychology, UTEP, El Paso, TX
- 2020-2021** **Thesis Committee Member** for Minerva Rodriguez, Ph.D. Candidate:
Thesis Title: Long term effects of fluoxetine exposure on autophagy and tau phosphorylation in the prefrontal cortex and hippocampus of male mice. Department of Psychology, UTEP, El Paso, TX
- 2019-2020** **Dissertation Committee Member** for Bryan Cruz, Ph.D. Candidate:
Dissertation title; Characterization of the neurochemical effects of nicotine in the mesolimbic pathway of diabetic rats, Department of Psychology, UTEP, El Paso, TX
- 2019** **Thesis Committee Chair** for Kayla I. Galindo, M.A. Candidate: Thesis title:
The effects of eating a high fat diet on sensitivity of rats to the rewarding effects of methamphetamine. Department of Psychology, UTEP, El Paso, TX
- 2018- 2019** **Dissertation Committee Member** for Rodolfo Flores, Ph.D. Candidate:
Dissertation title: Examination of sex differences and the role of ovarian hormones in modulating nicotine withdrawal in rats. Department of Psychology, UTEP, El Paso, TX
- 2018** **Thesis Committee Member** for Bryan Cruz, Ph.D. Candidate:
Thesis title: Examination of the role of insulin in modulating the reinforcing effects of nicotine in a rodent model of diabetes. Department of Psychology, UTEP, El Paso, TX

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- 2018** **Dissertation Committee Member** for Allyson Hughes, Ph.D. Candidate: Dissertation title: Seeking health information in the diabetes online community (DOC); The role of health literacy, social support, and community interaction on treatment adherence. Department of Psychology, UTEP, El Paso, TX
- 2017** **Thesis Committee Member** for Jeremiah Ramos, Ph.D. Candidate: Thesis title: The impact of dopaminergic lesions on cognition: Insights into non-motor Parkinson's disease symptomology. Department of Psychology, UTEP, El Paso, TX
- 2016-2017** **Thesis Committee Member** for Rodolfo Flores, Ph.D. Candidate: Thesis title: Beta-estradiol promotes the reinforcing effects of nicotine in female rats. Department of Psychology, UTEP, El Paso, TX
- 2016-2017** **Dissertation Committee Member** for Mayra Gisel Flores-Montoya, Ph.D. Candidate, Dissertation title: A behavioral and neuroimmune system model of the effects of chronic low-level lead exposure in young male C57BL/6J mice. Department of Psychology, UTEP, El Paso, TX
- 2015-2016** **Dissertation Committee Member** for Joseph Pipkin, Ph.D. Candidate, Dissertation title: Examination of the mechanisms that promote nicotine reward in diabetic animals. Department of Psychology, UTEP, El Paso, TX

External Committee Service

- 2023-present** **External Dissertation Committee Member** for Adriana Vasquez, Ph.D. Candidate: Dissertation title: TBD. Department of Psychology, The University of Texas at Austin, Austin, TX
- 2020-2022** **External Dissertation Committee Member** for Julia Maritz, Ph.D. Candidate: Dissertation title: Preoptic modulation of sex differences in cocaine response. Department of Psychology, The University of Texas at Austin, Austin, TX
- 2017** **External Thesis Committee Member** for Katharine Nelson, M.A. Candidate: Thesis title: Assessment of the aversive and rewarding properties of the second generation "bath salt" α -pyrrolidineopentiophenone (α -PVP). Department of Psychology, American University, Washington, DC

RECENT ADDITIONAL TRAINING/CERTIFICATION

- 2023** **Writing Compelling Digital Copy** – 7-hour virtual course on using UX writing principles to write clear, easy-to-consume information for digital platforms. Provided by the [Nielsen Normal Group](#) to the Office of Science Policy, Planning and Communication at the National Institute of Mental Health, Washington, DC.

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- 2022** **Plain Language Training** – 7 module online course that provides information per the Plain Writing Act (2010) to help individuals communicate clearly and in a way the public can understand. Provided by the U.S. Department of Health and Human Services, Washington, DC.
- 2022** **Implicit Bias Training** – 3 module online course designed to teach about bias, how to recognize it, and how to minimize its impact. Hosted by the [National Institutes of Health](#), Bethesda, MD.
- 2021** **Anti-racism Training** – intensive 6-hour training course on understanding the impact of systemic racism in America. Hosted by the [Borderland Rainbow Center](#), El Paso, TX.
- 2020** **Teaching Online Academy at UTEP** – 4-week course from the UTEP Center for Instructional Design to help train faculty on best practices for online learning, El Paso, TX.
- 2019** **Mental Health First Aid Training Course** – 8-hour training program to help individuals recognize signs of distress among employees, students, trainees, and peers, and provide individuals with resources to help those experiencing mental health emergencies. Hosted by [Emergence Health Network](#), El Paso, TX.
- 2018** **Classroom Technologies: Friends, not foes** – professional development workshop through UTEP for incorporating advance technologies into classroom teaching, El Paso, TX.
- 2016** **Grant writing workshop**- professional development workshop through the Mentoring Institute for Neuroscience Diversity (MIND) Scholarship program, supported by NIH R25 NS076414 at University of Florida, held at the Society for Neuroscience 2016 annual meeting, San Diego, CA.
- 2016** **NIDA Grant writing workshop** - workshop sponsored by the National Institute on Drug Abuse focused on obtaining NIH grant funding. Held at the 2016 annual meeting of the College on Problems of Drug Dependence, Palm Springs, CA.
- 2015** **JumpStart Your Research Career** – short course in grantsmanship through the Office of Sponsored Research and Programs, University of Texas at El Paso, El Paso, TX.
- 2015** **Managing a Research Lab** - professional development workshop through the Mentoring Institute for Neuroscience Diversity (MIND) Scholarship program, supported by NIH R25 NS076414 at University of Florida, held at the Society for Neuroscience annual meeting, Chicago, IL.
- 2015** **Writing Research Papers with High Impact and Integrity** – weekend workshop through the Mentoring Institute for Neuroscience Diversity (MIND) Scholarship program, supported by R25, NS076414 at University of Florida, held in Denver, CO.

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- 2015** **Optimizing the Practice of Mentoring** – on-line training course for higher education faculty to learn effective research mentoring techniques for trainees. Offered by the University of Minnesota, Minneapolis, MN
- MEDIA**
- 2023** **Career Development Spotlight: Dr. Katherine Serafine**, Office of Research Training, Diversity and Disparities Newsletter, June/July 2023, National Institute on Drug Abuse (NIDA). [Available here.](#)
- 2022** **Welcoming new APA congressional and executive branch policy fellows**, American Psychological Association website news story. [Available here.](#)
- 2021** **UTEP Professor to Study COVID-19’s Effect on Hispanics**, UTEP News story. [Available here.](#)
- 2020** **Ask an Expert**, featured as an animal research expert for Biomedical Research Awareness Day’s video series. [Available here.](#)
- 2019** **UTEP Awards First Interdisciplinary Bachelor’s Degree in Neuroscience**, UTEP Communications newsfeed. [Available here.](#)
- 2019** **BRAD at ACNP Annual Meeting**: Interview with Logan France, D.V.M. and Katherine Serafine, Ph.D., *ACNP Bulletin*. [Available here.](#)
- 2019** **University of Texas at El Paso Faculty Member Awarded ACNP-AMP BRAD Fellowship** to Expand Public Knowledge about the Critical Role of Animals in Health Research, Press release, Americans for Medical Progress. [Available here.](#)
- 2019** **Katherine M. Serafine, Ph.D., named the 2019/2020 ACNP-AMP BRAD Fellow**, *ACNP Bulletin*. [Available here.](#)
- 2019** **Inaugural UTEP Biomedical Research Awareness Day**, *UTEP Prospector* interview. [Available here.](#)
- 2019** **UTEP Psychology Professor Earns Fellowship**, UTEP Communications newsfeed. [Available here.](#)
- 2015** **Meet the ASPET Washington Fellows**, website highlighting the 2015 ASPET science policy fellows. [Available here.](#)
- 2015** **Highlighted article**, publication highlighted in the December 2015 issue of the *Journal of Pharmacology and Experimental Therapeutics*. [Available here.](#)
- 2015** **El Faro interview**, quarterly newsletter, National Hispanic Science Network. [Available here.](#)
- 2014** **“Addiction problems and solutions to be focus of March 13 briefing”**, press conference, University of Texas Health Science Center at San Antonio. [Available here.](#)
- 2014** **“Scientists hunt for ways to fight addiction”**, San Antonio Express News Education article. [Available here.](#)

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2012

“**March meeting covers translational research in addiction**”, press release, University of Texas Health Science Center at San Antonio. [Available here.](#)

AD HOC REVIEWER

- Addiction Biology
- Behavioural Brain Research
- Behavioural Pharmacology
- Experimental and Clinical Psychopharmacology
- International Journal of Neuropsychopharmacology
- Neuroscience Letters
- Neurochemistry International
- Nutritional Neuroscience
- Obesity
- Pharmacology, Biochemistry, and Behavior
- Physiology and Behavior
- Psychopharmacology
- PLOS one
- Scientific Reports
- Translational Psychiatry

PROFESSIONAL SOCIETY MEMBERSHIPS

Regular Member, College on Problems of Drug Dependence (CPDD)

Member, American Association for the Advancement of Science (AAAS)

Member, American Psychological Association (APA): Division 28

Member, American Society for Pharmacology and Experimental Therapeutics (ASPET)

Member, Behavioral Pharmacology Society (BPS)

Member, National Hispanic Science Network (NHSN)

Lifetime Member, Psi Chi National Honor Society in Psychology

Associate Member, Society for Stimulus Properties of Drugs (SSPD)

RECENT VOLUNTEER EXPERIENCE

- 2023** **Guest speaker**, at Jefferson/Silva High School, Science classes, El Paso, TX
- 2021** **Guest speaker**, Hispanic Heritage Month, Society for the Advancement of Chicanos/Hispanics, and Native Americans in Science (SACNAS) UT Health San Antonio, San Antonio, TX
- 2021** **Guest speaker**, Brain Awareness Week, presentation for UTEP scientists and the community sponsored by the Sun City chapter of the Society for Neurosciences, El Paso, TX
- 2020** **Guest speaker**, Taste of Science San Antonio, presentation for scientists and the public, Freetail Brewery, San Antonio, TX
- 2020** **Skype-A-Scientist**, volunteer scientists speaking virtually with high school students around the country about careers in STEM

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2017-2019,	American Society for Pharmacology and Experimental
2022-2023	Therapeutics (ASPET) Behavioral Pharmacology Division, Best Abstract Competition poster judge
2016-2020,	Behavior, Biology, & Chemistry: Translational Research in Addiction
2023	(BBC) poster judge , San Antonio, TX
2016-2020	Campus Office of Undergraduate Research Initiatives (COURI) Summer Symposia poster judge , El Paso, TX
2019	Keynote speaker at MiniCAST El Paso, High School Teacher Workshop, UTEP, El Paso, TX
2019	Guest speaker at El Paso ISD Center for Career and Technology Education, El Paso, TX
2019	Guest speaker at Americas High School A.P. Biology classes, El Paso, TX
2019	Science consultant , STEM/LEGO club at Elaine S. Schlather Intermediate School, Cibolo, TX
2016-2018	ASPET Dolores C. Shockley Award for Underrepresented Minority Trainees, Best Abstract Competition poster judge
2016	UTEP Outstanding Teaching Awards for Graduate Students judge , El Paso, TX

RECENT NATIONAL CONFERENCE PRESENTATIONS

*indicates student/trainee author, ^indicates a meeting that was cancelled due to COVID-19

2023

1. *Beltran NM, *Parra AN, *Castro IM, *Elsy MK, *Serrano AP, *Castillo J, Minervini V, and **Serafine KM**. *The effects of eating a high fat or ketogenic diet on withdrawal following morphine discontinuation*. Abstract presented at the annual Behavior, Biology and Chemistry: Translational Research in Addiction (BBC) meeting, San Antonio, TX
2. *Parra AN, *Beltran NM, *Castro IM, *Elsy MK, *Serrano AP, *Castillo J, Minervini V, and **Serafine KM**. *The effects of eating a high fat or ketogenic diet on sensitivity of rats to the antinociceptive effects of morphine*. Abstract presented at the annual BBC meeting, San Antonio, TX
3. *Mada SR, *Beltran NM, Reddy S, **Serafine KM**, and Heckert C. *Hair cortisol levels among individuals seeking prenatal healthcare in the US-Mexico border region*. Abstract presented at the annual BBC meeting, San Antonio, TX.
4. *Beltran NM, *Parra AN, *Castro IM, *Elsy MK, *Serrano AP, *Castillo J, Minervini V, and **Serafine KM**. *The effects of eating a traditional high fat or a ketogenic diet on sensitivity of female rats to morphine-induced antinociception, tolerance and withdrawal*. Abstract presented at the annual meeting of the American Society for Pharmacology and Experimental Therapeutics (ASPET), St. Louis, MO.

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5. *Eley MK, *Beltran NM, Minervini V, and **Serafine KM**. *Eating a high fat/high carbohydrate or ketogenic diet does not impact sensitivity to morphine-induced antinociception in rats with hindpaw inflammation*. Abstract presented at the annual meeting of ASPET, St. Louis, MO.

2022

6. *Castro IM, *Galindo KI, *Serna P, and **Serafine KM**. *The effects of eating a high fat diet on sensitivity of rats to methamphetamine-induced conditioned place preference*. Abstract presented at the annual BBC meeting, San Antonio, TX.
7. *Ornelas G, *Mendoza R, *Castro IM, Strong SJ, Cordova E, Charles NE, and **Serafine KM**. *Dietary and drug use habits of college students during the COVID-19 pandemic*. Abstract presented at the annual BBC meeting, San Antonio, TX.
8. *Beltran NM, Ramos J, Landavazo A, Blough BE, and **Serafine KM**. *Eating a high fat diet enhances sensitivity of rats to the unconditioned effects of serotonergic drugs*. Abstract presented at the annual BBC meeting, San Antonio, TX.
9. *Eley MK, *Beltran NM, and **Serafine KM**. *Eating a high fat or a ketogenic diet increases sensitivity of rats to methamphetamine-induced locomotion*. Abstract presented at the annual meeting of ASPET at Experimental Biology, Philadelphia, PA.
10. *Beltran NM, Ramos J, Landavazo A, Blough BE, and **Serafine KM**. *Eating a high fat diet enhances sensitivity of rats to 5-HT_{1A} receptor-mediated behavioral effects of serotonergic drugs*. Abstract presented at the annual meeting of ASPET at Experimental Biology, Philadelphia, PA.
11. **Serafine KM**, *Eley ME, *Beltran NM. *The impact of eating a high fat or ketogenic diet on sensitivity of rats to dopaminergic drugs*. Abstract presented at the annual meeting of the American College for Neuropsychopharmacology (ACNP), Phoenix, AZ.

2021

12. *Beltran NM, Landavazo A, Blough BE and **Serafine KM**. *Eating a high fat diet enhances sensitivity of rats to serotonin syndrome*. Abstract presented at the annual meeting of ASPET at Experimental Biology, virtual meeting.
13. *Galindo KI, *Serna Castillon P, and **Serafine KM**. *Methamphetamine-induced conditioned place preference in male rats eating standard or high fat chow*. Abstract presented at the annual meeting of ASPET at Experimental Biology, virtual meeting.
14. **Serafine KM**, *Beltran NM, *Ramos J, Landavazo A, Blough BE. *Behavioral indices of serotonin syndrome are enhanced among rats eating a high fat diet*. Abstract presented at the annual meeting of the ACNP, San Juan, Puerto Rico.
15. Kenwood M, Erwin L, France LK, Clifford P, Gibson C and **Serafine KM**. BRAD: Biomedical Research Awareness Day. Abstract presented at the annual meeting of the ACNP, San Juan, Puerto Rico.

2020

16. *Beltran NM, Landavazo A, Blough BE and **Serafine KM**. *Eating a high fat diet enhances sensitivity of rats to serotonin syndrome*. Abstract presented at the annual meeting of BBC, San Antonio, TX. Abstract also accepted for the annual meeting of the National Hispanic Science Network (NHSN), virtual meeting.
17. *Galindo KI, *Serna Castillon A, and **Serafine KM**. *The effects of eating high fat chow on sensitivity of rats to ethanol*. Abstract presented at the annual meeting of BBC, San Antonio, TX. Abstract also accepted for the annual meeting of the NHSN, virtual meeting.
18. *Eley MK, *Beltran NM, and **Serafine KM**. *The effects of eating a high fat or ketogenic diet on sensitivity of female rats to methamphetamine*. Abstract presented at the annual meeting of BBC, San Antonio, TX. Abstract also accepted for the annual meeting of the NHSN, virtual meeting.
19. *Sandoval O and **Serafine KM**. *The effects of probiotic supplementation on high fat diet-induced enhanced sensitivity to the behavioral effects of methamphetamine*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
20. *Beltran NM, Landavazo A, Blough BE and **Serafine KM**. *Eating a high fat diet enhances sensitivity of rats to serotonin syndrome*. Abstract accepted for presentation at the annual meeting of ASPET at Experimental Biology[^], San Diego, CA.
21. *Galindo KI, *Serna Castillon A, and **Serafine KM**. *The effects of eating high fat chow on sensitivity of rats to ethanol*. Abstract accepted for presentation at the annual meeting of ASPET at Experimental Biology[^], San Diego, CA.
22. *Eley MK, *Beltran NM, and **Serafine KM**. *The effects of eating a high fat or ketogenic diet on sensitivity of female rats to methamphetamine*. Abstract accepted for presentation at the annual meeting of ASPET at Experimental Biology[^], San Diego, CA.
23. *Sandoval O, *Alfsen AM, *Beltran NM and **Serafine KM**. *The effects of probiotic supplementation on high fat diet-induced enhanced sensitivity to the behavioral effects of methamphetamine*. Abstract accepted for presentation at the annual meeting of ASPET at Experimental Biology[^], San Diego, CA.
24. **Serafine KM**, France LK, Clifford P and Gibson C. BRAD: Biomedical Research Awareness Day. Abstract accepted for presentation at the annual meeting of ASPET at Experimental Biology[^], San Diego, CA. [Available here](#). Abstract also accepted for presentation at the annual meeting of the ACNP, virtual meeting.

2019

25. France LK, **Serafine KM**, Clifford P and Gibson C. BRAD: Biomedical Research Awareness Day. Abstract presented at the annual meeting of the ACNP, Orlando, FL
26. **Serafine KM**, *Ramos J. *Females are more sensitive than males to enhanced sensitivity to dopaminergic drugs caused by eating a high fat diet*. Abstract presented at the annual meeting of ACNP, Orlando, FL.

27. **Serafine KM**, *Ramos J, *Hardin E, *Flores-Robles G, *Gonzalez A, and *Martinez A. *Sensitivity to dopaminergic drugs is differentially impacted in male and female rats eating a high fat diet*. Abstract presented at the annual meeting of the Texas Research Society on Alcoholism (TRSA), San Antonio, TX.
28. *Beltran NM, *Galindo KI, *Echeverri JI, *Hernandez-Casner C and **Serafine KM**. *The effects of intermittent dietary supplementation with fish oil on high fat diet-induced enhanced sensitivity to the behavioral effects of cocaine*. Abstract presented at the annual meeting of TRSA, San Antonio, TX.
29. *Serna P, *Galindo KI, and **Serafine KM**. *The effects of eating a high fat diet on methamphetamine-induced conditioned place preference*. Abstract presented at the annual meeting of ASPET at Experimental Biology, Orlando, FL.
30. *Galindo KI, *Beltran NM, *Serna P, *Ramos J, and **Serafine KM**. *Female rats eating high fat chow acquire methamphetamine self-administration faster than rats eating standard chow*. Abstract presented at the annual meeting of ASPET at Experimental Biology, Orlando, FL.
31. *Beltran NM, *Galindo KI, *Echeverri J, *Hernandez-Casner C, and **Serafine KM**. *Intermittent dietary fish oil supplementation prevents high fat diet-induced enhanced sensitivity to the behavioral effects of quinpirole*. Abstract presented at the annual meeting of ASPET at Experimental Biology, Orlando, FL.
32. *Hardin E, *Ramos J, and **Serafine KM**. *Sex differences in high fat diet-induced enhanced sensitivity to methamphetamine and dopamine D₁ receptor agonist SKF 82958*. Abstract presented at the annual meeting of ASPET at Experimental Biology, Orlando, FL.
33. *Beltran NM, *Galindo KI, *Echeverri J, *Hernandez-Casner C, and **Serafine KM**. *The effects of intermittent dietary supplementation with fish oil on high fat diet-induced enhanced sensitivity to the behavioral effects of dopaminergic drugs*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
34. *Elsley M, *Beltran NM, *Franks HT, *Hernandez-Casner C, and **Serafine KM**. *The effects of docosahexaenoic acid on high fat chow-induced enhanced sensitivity to the behavioral effects of psychomotor stimulant drugs*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
35. *Galindo KI, *Beltran NM, *Serna P, *Ramos J and **Serafine KM**. *Female rats eating high fat chow acquire methamphetamine self-administration faster than rats eating standard chow*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
36. *Hardin EJ, *Ramos J, *Flores-Robles G, *Gonzales A, Serafine KM. *Eating a high fat diet enhances sensitivity of male and female rats to methamphetamine-induced locomotion and sensitization*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
37. *Martinez AK, *Ramos J, *Flores-Robles G, *Gonzales A, **Serafine KM**. *The effects of eating a high fat diet on sensitivity of female rats to dopamine D₁ receptor agonist SKF82958-induced eye blinking*. Abstract presented at the annual meeting of BBC, San Antonio, TX.

2018

38. *Galindo K, *Beltran NM, and **Serafine KM**. *The effects of eating a high fat diet on sensitivity of female rats to the reinforcing effects of methamphetamine*. Abstract presented at the annual meeting of ASPET at Experimental Biology, San Diego, CA.
39. *Ramos J, *Flores-Robles G, *Gonzalez A, and **Serafine KM**. *Sex differences in high fat diet-induced enhanced sensitivity to the locomotor stimulating effects of methamphetamine and SKF 82958*. Abstract presented at the annual meeting of ASPET at Experimental Biology, San Diego, CA.
40. *Hernandez-Casner C, *Beltran NM, *Ramos J, and **Serafine KM**. *The effects of docosahexaenoic acid administration on high fat chow-induced enhanced sensitivity to dopaminergic drugs*. Abstract presented at the annual meeting of ASPET at Experimental Biology, San Diego, CA.
41. *Beltran NM, *Hernandez-Casner C, and **Serafine KM**. *The effects of intermittent dietary supplementation with fish oil on high fat diet-induced enhanced sensitivity to the behavioral effects of dopaminergic drugs*. Abstract presented at the annual meeting of ASPET at Experimental Biology, San Diego, CA.

2017

42. *Hernandez-Casner C, *Ramos J, *Hussain S, and **Serafine KM**. *Dietary supplementation with fish oil prevents high fat diet-induced enhancement of sensitivity to the behavioral effects of quinpirole in rats*. Abstract presented at the annual meeting of ASPET at Experimental Biology, Chicago, IL.
43. *Hernandez-Casner C, *Ramos J, *Hussain S, and **Serafine KM**. *Dietary supplementation with fish oil reverses high fat diet-induced enhanced sensitivity to quinpirole-induced penile erections*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
44. *Hussain S, *Hernandez-Casner C, *Ramos J, and **Serafine KM**. *Lorcaserin does not impact high fat diet-induced enhanced sensitivity to the behavioral effects of dopamine D₂/D₃ receptor agonist quinpirole*. Abstract presented at the annual meeting of BBC, San Antonio, TX.

2016

45. *Ramos J, *Hernandez-Casner C, and **Serafine KM**. *Eating high fat chow enhances sensitivity of male, but not female rats to the behavioral effects of dopamine D₂/D₃ receptor agonist quinpirole*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
46. *Hernandez-Casner C, *Ramos J, and **Serafine KM**. *Dietary supplementation with fish oil delays high fat chow-induced enhancement of sensitivity to the behavioral effects of dopamine D₂/D₃ receptor agonist quinpirole in adolescent male rats*. Abstract presented at the annual meeting of BBC, San Antonio, TX.
47. *Ramos J, *Hernandez-Casner C, and **Serafine KM**. *Eating high fat chow enhances sensitivity of adolescent rats to the behavioral effects of the dopamine D₂/D₃ receptor agonist quinpirole*. Late breaking abstract presented at the annual meeting of ASPET at Experimental Biology, San Diego, CA.

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48. **Serafine KM** and France CP. *Characterization of the discriminative stimulus effects of lorcaserin in rats*. Abstract presented at the annual meeting of ASPET at Experimental Biology, San Diego, CA.
49. *Labay CE, **Serafine KM**, and France CP. *Dietary supplementation with fish oil prevents high fat diet-induced enhancement of sensitivity to the locomotor stimulating effects of cocaine*. Abstract presented at the annual meeting of ASPET at Experimental Biology, San Diego, CA.

References Available Upon Request