

Rick Allan Bevins, Ph.D.
Director, Rural Drug Addiction Research Center
Mildred Francis Thompson University Professor
Fellow, American Association for the Advancement of Science
Pronouns I use: He/Him/His

EDUCATION

- 1986 A.A. Macon Junior College*, Macon, GA
Major: Psychology
*now Middle Georgia State University
- 1989 B.S. Jacksonville State University, Jacksonville, AL
Major: Psychology Minor: English
Research Mentor: Dr. W. L. Palya
- 1993 Ph.D. University of Massachusetts, Amherst, MA
Program: Neuroscience & Behavior Specialty: Learning and Behavior
Research Mentor: Dr. J. J. B. Ayres
- 1996 Post-doc University of Kentucky, Lexington, KY
Specialty: Psychopharmacology and Substance Abuse
Research Mentor: Dr. M. T. Bardo

ACADEMIC POSITIONS

Current

- 2020 – *Director, Rural Drug Addiction Research Center, UNL (NIH/NIGMS funded)*
- 2023 – *Mildred Francis Thompson University Professor, UNL*
- 2006 – *Professor, Department of Psychology (tenured), University of Nebraska-Lincoln (UNL).
Courtesy Appointment, School of Biological Sciences. Member of UNMC Buffett Cancer
Center (Cancer Prevention Program), University of Nebraska Center for Environmental
Health and Toxicology, The Nebraska Center for Substance Abuse Research (since 2014)*

Past

- 2020 – 2024 *Associate Vice Chancellor for Research, UNL [Interim AVCR (July 2020-December 2022)]*
- 2012 – 2020 *Chair, Department of Psychology, UNL*
- 2019 – 2020 *Associate Director, Rural Drug Addiction Research Center, UNL (NIH/NIGMS)*
- 2018 – 2023 *Chancellor's Professor, UNL*
- 2012 – 2018 *Willa Cather Professor, UNL*
- 2011 – 2012 *Carl A. Happold Professor, UNL*
- 2002 – 2003 *Visiting Associate Professor, Department of Behavioral Neuroscience, Oregon Health &
Science University*
- 2001 – 2006 *Associate Professor, Department of Psychology (tenured), UNL. Courtesy Appointment in
School of Biological Sciences. Member of UNMC Buffett Cancer Center (Cancer Prevention
and Control Program) and University of Nebraska Center for Environmental Health and
Toxicology*
- 1996 – 2001 *Assistant Professor, Department of Psychology, UNL. Courtesy Appointment in School of
Biological Sciences. Member of UNMC Eppley Institute for Research in Cancer (Cancer
Prevention and Control Program)*

ADMINISTRATIVE APPOINTMENTS

Clifton Strengths (top 5): Strategic, Learner, Arranger, Command, Self-Assurance

The **University of Nebraska-Lincoln** (UNL) is the comprehensive and land grant, public research university for the state. As Nebraska's flagship institution, there are 23,600 students and 1,851 faculty members. UNL is a member of the Big Ten and the Carnegie classification of Institutes of Higher Education ranks UNL as Highest Research Activity (R1). In FY 2022, UNL had \$340M in total research expenditures, \$19.8M in expenditures by industry, 1,668 sponsored research awards, and 1.5M square feet of research space. These numbers reflect continued growth in the success of research and economic activities—34% over the past 10 years—despite ongoing budget challenges.

I have been described by my colleagues as a servant and humane leader. I value inclusive excellence, belongingness, transparency, interdisciplinarity, collaborative decision-making, creativity, and academic freedom. Daily, I lean on these values to guide me as an administrator as well as a mentor, teacher, researcher, and colleague.

2020 – *Director, Rural Drug Addiction Research (RDAR) Center*
(Associate Director, 2019-2020)

I serve as Principal Investigator (PI) and Director of the [RDAR Center](#). This Center of Biomedical Research Excellence (COBRE) is funded by a P20 grant from the National Institute of General Medical Sciences at the NIH (GM130461-06). In the Center, we seek to understand drug use and misuse as multifactorial in its causes, encompassing biological, behavioral, psychosocial, and cultural factors operating in complex feedback loops. To provide focus within this broad scope, the Center connects preclinical, behavioral, clinical, and translational science to understand substance use behaviors, social networks, risk factors, and potential treatments. The result is a unique scientific approach with a focus on challenges in community settings and rural areas, especially in the Great Plains. Some accomplishments include...

- Grown from 18 to over 70 members across 23 departments/units on all 4 of the University of Nebraska campuses and, in the process, transitioned 14 faculty to substance use research (12 early-stage and 2 established investigators); 45% of our members reported meeting NIH's definition of being from an underrepresented group
- Enabled faculty, staff, and students to submit 101 grant applications (78 submitted to NIH) requesting \$113.5M in research support and resulting in \$36.1M awarded [updated 5-1-24]
- Graduated 3 research project leaders with R01s from the National Institute on Drug Abuse or the National Institute on Mental Health; another early stage investigator in the project leader queue was awarded a K08 from the National Institute of Alcohol Abuse and Alcoholism
- Awarded 15 pilot project grants totaling \$725,000 to faculty across the 4 University of Nebraska campuses spanning such areas as medicine, neurosciences, social, behavioral, and educational science, humanities, architecture, and the visual and performing arts
- Published over 70 peer-reviewed publications in research areas directly related to the Center mission and delivered more than 300 scientific presentations
- Research Core provides cost-effective access to people who use drugs for data collection, expertise in social network and community-based participatory research, and electronic momentary data collection via in-house built app
- Research Core alone supported 15 research projects, 44 users, and over 40 external grant applications
- Developed substantive IDEA state collaborations with topically aligned COBREs and CTRs in New Hampshire, Rhode Island, and West Virginia; includes joint NIH grant submissions, co-sponsored seminars, the annual Symposium on Substance Use Research
- Phase 2 renewal application of the P20 grant was funded March 1, 2024 by NIGMS for \$11.6M. That new story can be found [here](#)

2020 – 2024 *Associate Vice Chancellor for Research* (last day August 18, 2024)
Interim Associate Vice Chancellor for Research (from July 2020 to December 2022)
 Office of Research and Economic Development (ORED), UNL

My responsibilities included facilitating faculty development, planning strategically for large-scale interdisciplinary efforts that build on the expertise of faculty across the university, and overseeing aspects of research compliance. I worked closely with the Vice Chancellor for Research and Economic Development [Dr. Wilhelm, then Dr. Jones (interim)] and leadership team on issues related to administration and policy, budget, initiative development, equity and inclusion, strategic planning, faculty engagement, economic development, and government relations. Some specific accomplishments include...

- Served as Institutional Official to oversee the Institutional Animal Care Program including the encouragement of a customer-focused approach, the recent renewal of AAALAC accreditation, and the recertification of BSL-3/ABSL-3 laboratories
- Collaboratively advanced [Grand Challenges](#) activity outlined in the N2025 Strategic Plan and funded at \$40M in strategic investments across 4 years – engaged over 700 faculty, staff, and students in community and research-team building events from 2021 to 2024..
- Design and implement a faculty-engaged process for writing a Grand Challenges request for proposals ([RFP](#)) that includes a requirement for an integrated diversity plan, purposeful and substantive incorporation of the arts and humanities, and measurable outcomes of progress
- Develop a robust internal and external review process for Grand Challenges proposals that is inclusive, transparent, informative, and generalizable to other funding competitions and limited external submissions; the first \$30M has been awarded (August 2022 to August 2024)
- Served on the Diversity Strategy Planning Team for ORED; my role as Co-director of Minority Health Disparities Initiative intersects with this work as well as that of the N2025 Strategic Plan and the Grand Challenge themes of Health Equity and Anti-racism and Racial Equity
- Worked with ORED team to broaden professional development training and mentoring opportunities across the university through purposeful event planning and program development (e.g., research development fellows program, new faculty orientation, faculty connectors, NU 2 NIH)
- Participated in visioning and planning for Board of Regent required external reviews of university centers, as well as represented ORED in Academic Program Reviews of college units and departments
- Reinstated and lead the ORED Advisory Board to provide diverse and candid faculty guidance on potential opportunities and challenges related to research, scholarship, and creative activities
- Worked with the Associate Deans for Research and Creative Activities to ensure clear and transparent communication with colleges and develop collaborative approaches to leverage strengths and solve challenges
- Teamed with researcher leaders within UNL and across the other Nebraska University campuses (University of Nebraska Medical Center, University of Nebraska – Omaha, and University of Nebraska – Kearney) to identify thematic areas of strength to foster collaborations and support the pursuit extramural funding opportunities

2012 – 2020 *Chair*, Department of Psychology, UNL

My responsibilities included oversight of complex budgets that include salary, operating, instructional, foundation, and research-related dollars (4.46M state-aided; 3.1M other unrestricted funds). There were 36 faculty members actively training nearly 100 graduate students in five cross-cutting program areas, including an American Psychological Association (APA) accredited clinical training program. Several lecturers were also hired each semester to accomplish our critical instructional mission. Of the 34 majors

in the College of Arts and Sciences, Psychology was the largest major in the College with just under 1,000 undergraduate majors. At the time, that reflected 21% of all the undergraduate majors in the College. There were four administrative staff, as well as a business manager, three professional advisors, a career coach, two Associate Chairs, a Graduate Chair, and an Undergraduate Chair that supported Department operations. Some specific accomplishments include...

- Broadened professional development and mentoring opportunities in the Department for graduate students, post-docs, faculty members, and staff
- Improved effectiveness and efficiencies of the office support for the tripartite mission of the Department by creating a business manager position and restructuring staff duties
- Deepened support for student success by securing resources to hire 2 additional professional advisors, a career coach, 4 dedicated professors of practice (i.e., teaching faculty), and collaboratively implementing a learning community for at-risk incoming freshman
- Expanded faculty research capacity to match our comparison institutions by developing and implementing a plan to change the teaching load for active research faculty from 4 courses per year to 3 courses; fully implemented in fall of 2017
- Doubled extramural grant and contract submissions from the Department in 5 years; federal research expenditures increase from \$3.36M in FY14-15 to \$5.39M in FY18-19
- Hired 18 talented and diverse faculty (12 women; 2 joint appointments) in support of interdisciplinary cross-unit research efforts, graduate student training, and demands of a growing major; 100% success at promotion and/or promotion and tenure (13 total; 7 women)
- Modernized the undergraduate major while improving common educational experiences and gaining administrative, advising, and teaching efficiencies (delivered >25,000 SCH per year); in Fall 2020 three Options in the major were introduced: i) Psychological Science, ii) Clinical Science & Human Services, and iii) Neuroscience
- Increased undergraduate student majors from 865 to 966 majors during my tenure as Chair (11% increase); minors were up over 150% in the same time period (899 in spring of 2020)
- Guided the Department through the self-study process in the 2017-2018 Academic Program Review (APR) and developed an aggressive Strategic Plan that replaced the 2013 version
- Acquired new space and secured funding for substantive space renovations across the Department in support of research, graduate training, instruction, advising, and outreach to the community
- Fostered a supportive and inclusive climate. As described by the APR Site Visit Review Team, the Department is “vibrant and active” with “an exceptional leadership team that has cultivated a positive, productive, and inclusive atmosphere among faculty, graduate students, and staff”

2001 – 2002 *Vice Chair*, Department of Psychology, UNL (sabbatical Oregon Health Sciences University 2002-03)

2003 – 2011 *Vice Chair*, Department of Psychology, UNL

Developed the graduate and undergraduate course schedule each semester, recommended teaching assignments, enhanced efficiencies in course offerings, served on the Department Executive Committee, updated Bylaws, chaired the Promotion and Tenure Committee, aided in two Academic Program Reviews, helped develop and implement policies to enhance research productivity, resolved issues with academic dishonesty, managed book and journal requests as library liaison, served on the Undergraduate Committee, and conducted committee elections.

2003 – 2011 *Neuroscience & Behavior Graduate Program Director*, Department of Psychology, UNL
Managed yearly graduate student admissions and evaluation for the program, negotiated for assistantship support, advocated for program initiatives and hiring, served on Graduate Committee, and coordinated graduate course offerings from the faculty members in the program. The program grew from 2.2 to 5.2 FTE in this time.

OTHER LEADERSHIP ACCOMPLISHMENTS (past and present)

2006 – 2012 *Coordinator* (until 2010), Substance Abuse Research Cluster (SARC)

Co-coordinator (until 2012), Substance Abuse and Violence Initiative (SAVI)

SARC was founded with funding from the UNL Office of Research and Economic Development. In the earlier years, SARC strategically increased and strengthened collaborations on substance use, identified unexplored transdisciplinary research areas, and enhanced capacity to provide cutting-edge graduate training opportunities. In these efforts, the convergent themes of trauma, violence, and substance abuse emerged as a unique strength. To recognize this shift, the cluster was officially changed in 2010 to the Substance Abuse and Violence Initiative (SAVI) and Drs. DiLillo and Gervais became co-coordinators; I stepped down as co-coordinator when I was appointed Department Chair in 2012. While less active as an initiative in recent years, there remains a very strong group of investigators in this area that could be competitive for larger program grants including a Phase 1 P20 COBRE from NIGMS.

2012 – *Founding Director* (until 2014), Minority Health Disparities Initiative

Chair (2014 – 2020), Advisory Board

Co-Director (2020 – now)

Coordinate the efforts to meet the primary objective of the Minority Health Disparities Initiative (MHDI) which is to identify and strengthen the infrastructure, as well as the network of investigators and practitioners addressing critical health disparities issues. This initiative involves 100s of researchers and practitioners, as well as community and government organizations across the state of Nebraska. Along with increasing impactful research and increased extramural funding, MHDI has successfully secured two consecutive Research Experience for Undergraduate NSF grants. MHDI directly reports to the Office of Research and Economic Development and is funded by Nebraska Tobacco Settlement Funds (recently at \$160,000 per year).

2013 – 2014 *Participant*, Big Ten Leadership Development

Big Ten Committee on Institutional Cooperation (CIC) leadership development programs for Department Executive Officers (DEOs)

2015 – 2020 *Member*, DEO Advisory Committee

The office of the Executive Vice Chancellor for Academic Affairs at UNL supports a Department Executive Officer (DEO) Brownbag Series for professional development of Chairs and Directors across the University. Along with serving on the Advisory Committee and attending workshops, I led discussions on such topics as time management and developing future leaders.

2019 – 2020 *Fellow*, Big Ten Academic Leadership Program

The [Academic Leadership Program \(ALP\)](#) is a professional development initiative conducted by the Big Ten Academic Alliance. In addition to three intensive seminars at different host Big Ten institutions (Michigan State University, University of Maryland, Ohio State University), there is on-campus programming throughout the year designed to enhance leadership and managerial skills. A primary focus of the program is on the issues facing administration at research universities.

OTHER UNIVERSITY LEADERSHIP, SERVICE, & ADMINISTRATION

Department

2000 – 2001 *Interim Chair* of Undergraduate Committee

2000 – 2009 *Member*, Department Colloquium Committee

2003 – 2011 *Member*, Nebraska Symposium on Motivation Committee

2004	Chair, Search Committee, Faculty in Behavioral Neuroscience
2006	Member, Search Committee, Faculty in Cognitive Science
2008 – 2009	Member, Search Committee, Latino/a Research Scholar
2008	Chair, Search Committee, Substance Use & Addiction
2012 – 2020	Member, Council of Graduate Departments of Psychology
2024 –	Elected Member, Department Executive Committee
2024 –	Member, Search Committee, Law-Psychology Program Director

College

2005 – 2008	Member, Faculty Instructional Development Committee
2008 – 2009	Member, Coordinating Committee, NSF IGERT on Systems Biology of Social Behavior
2009	Member, Search Committee, Systems Biology of Social Behavior, home department open
2014	Member, Search Committee, Associate Dean for Research
2014	Member, Search Committee, Associate Dean for Academic Programs
2015	Chair, Search Committee, Associate Dean for Faculty
2015 – 2016	Member, Committee for Proposal of Differential Tuition
2019 – 2021	Member, College Budget Advisory Committee (UNL moving a modified RCM model)

University

2001	Review Panel: UNL Biomedical Research Development Proposals
2004 – 2006	Member, Institute for Animal Care and Use Committee
2006 – 2011	Alternate Member, Institute for Animal Care and Use Committee
2007	Reviewer, UNL Strategic Research Cluster Proposals
2008 – 2011	Member, Life Science Curriculum Advisory Council
2008 – 2014	Member, NU Grant Advisory Board, Office of Research & Economic Development
2010 – 2013	Member, Research Advisory Board, Office of Research & Economic Development
2010 – 2011	Member, Working Group for Animal Research Facility Management & Business Plan
2010 – 2013	Member, Executive Planning Team, Center for Brain, Biology and Behavior (CB3)
2012 – 2014	Member, Steering Committee for Social and Behavioral Science Research Initiative
2013 –	Member, Executive Council, Center for Brain, Biology and Behavior (CB3)
2015 – 2020	Chairs' Representative, Chancellor's Faculty Compensation Advisory Committee
2015 – 2020	Member, Department Executive Office (DEO) Advisory Committee, Executive Vice Chancellor of Academic Affairs
2015 –	Advisory Board Member, Nebraska Center for Substance Abuse Research
2016 – 2017	Member, Chancellor's Smart Enrollment Growth Task Force
2018	Member, Search Committee, Associate Vice Chancellor and Dean of Graduate Education
2018 – 2019	Member, NE Commission of 150: Internal Operations & Infrastructure subcommittee
2019 – 2020	co-Chair, N 2025 Strategic Planning Team (Appointed by the Chancellor to co-lead the committee of 32 to develop a 5-year strategic plan for the University of Nebraska; according to the Chancellor, UNL has not operated under such a plan in over 20 year) The strategic plan and a brief video of the process can be found here . The Chancellor led a

[conversation](#) with the co-Chairs in February of 2022 regarding the plan and our progress as an institution.

2020 – 2022	Member, COVID-19 Research Task Force, Office of Research and Economic Development
2021	Member, Search Committee, Executive Vice Chancellor for Academic Affairs
2022	Member, Task Force on the Future of Work

DISCIPLINE LEADERSHIP & SERVICE

Professional

2003 – 2007	Program Co-chair, Winter Conference on Animal Learning & Behavior
2006, 2007	Submission Reviewer, Society for Research on Nicotine and Tobacco
2007 – 2010	Program Committee, Midwestern Psychological Association
2007 – 2008	Chair, Membership & Growth Committee, Division 6, American Psychological Association
2007 – 2008	Member, Executive Committee, Division 6, American Psychological Association (APA)
2008 – 2013	Program Committee, Winter Conference on Animal Learning & Behavior
2009 – 2016	Reviewer, APF's FJ McGuigan Dissertation Award Committee
2010 – 2011	Scientific Directorate Liaison, Division 28, American Psychological Association
2010 – 2023	Member, Executive Committee, Division 28, American Psychological Association
2012	President, Division 28 (Psychopharmacology), American Psychological Association
2013, 2016	Submission Reviewer, Society for Research on Nicotine and Tobacco
2013 – 2023	Scientific Directorate Liaison, Division 28, American Psychological Association
2017	External reviewer, Academic Program Review; Psychology, Louisiana State University
2017	Founding Director (as non-profit), Winter Conference on Animal Learning & Behavior
2017 – 2022	Member, Basic Science Network Advisory Committee, Society for Research on Nicotine and Tobacco
2017 – 2020	Member, APA Task Force to Review and Revise the APA Recommended Postdoctoral Education and Training Program in Psychopharmacology for Prescriptive Authority
2021 –	Member, External Advisory Committee, Cognitive Neuroscience of Development and Aging Center of Biomedical Research Excellence (University of Nebraska Medical Center)
2022	Chair, Academic Review Committee, Department of Psychological Sciences, College of Health and Human Sciences, Purdue University
2022 –	Member, External Advisory Board, Vermont Center on Behavior and Health (University of Vermont)
2024 –	Member, Internal Advisory Board of the Great Plains IDeA-Center for Translational Research (University of Nebraska Medical Center).
2024 –	Member, Overdose Prevention Coalition, Lincoln and Lancaster County

Grants and Extramural Workshops

1995	NSF Proposal Reviewer
2002	NIH (NCRR) Site Visit Reviewer
2002, 2003	NIH (ZRG1 SSS-C-04) Panel Reviewer
2003, 2006	NIH (NIDA & NIMH) B/Start Proposal Reviewer
2004	NIH/NIMH (BRB-S-07) Panel Reviewer
2004	NIH/NIMH (BRB-S-09) Panel Reviewer
2004, 2009	NIH CEBRA Proposal Reviewer
2005	NIH (ZMH1-ERB-S-05) Proposal Reviewer
2004, 2005	NIH (BRLE) Panel Reviewer
2005	NIH (ZMH1-ERB-S-06) Proposal Reviewer

2005	NIH (NIDA-K) Panel Reviewer
2006	United Kingdom Medical Research Council Grant Reviewer
2006, 2007	NIH (NIDA-K) Panel Reviewer
2006	NIH (BRLE) Panel Reviewer
2007	NIH (ZDA1 NXR-B-10) Proposal Reviewer
2007 – 2011	NIH (Biobehavioral Regulation, Learning & Ethology Study Section) Standing Member
2009	NIAAA (Extramural Advisory Board on Stress & Alcohol Relapse) Invited Participant
2009	NIDA (Workshop on <i>Validation of in vivo Screening for Drug Discovery and Development: Focus on Smoking Cessation</i>) Invited Participant
2009, 2010	NIH (NIDA & NIMH) B/Start Proposal Reviewer
2009, 2010	State of Nebraska & Creighton University (LB595 Grants)
2011	NIH (ZAA1 DD (50)) INIA West Reverse Site Visit and Review
2011	NIH (ZGM1 MBRS-8[SC]) Proposal Reviewer
2012	NIH (ZRG1 BBBP-T 04) Proposal Reviewer
2012	NIH (N01DA-13-8908) Using rodent behavioral models to identify pharmacotherapies
2013	NIH (ZRG1 BBBP-D 02) Proposal Reviewer
2013	NIDA SBIR Concept Review: Bundling services for designing rigorous animal studies
2013	NIH (BRLE) Panel Reviewer
2014	NIDA (N43DA-14-1208) Review: Bundling services for designing rigorous animal studies
2014	NIH (ZRG1 BBBP-Y 03) Chair and Panel Reviewer
2014, 2016	Netherlands Organisation for Scientific Research, Proposal Reviewer
2016	NIAAA (ZAA1 CC-02) INIA Neuroimmune Reverse Site Visit and Review
2016	NIAAA (ZAA1 CC-01) INIA Stress Reverse Site Visit and Review
2018	NIH (ZRG1 IFCN-L 40) Chair, FDA Tobacco Centers on Regulatory Science (U54)
2018, 2019	Great Plains IDeA-CTR Pilot Study Section
2018	NIDA (N01DA-18-8936) Using rodent behavioral models to identify pharmacotherapies
2018	NIDA (SBIR Concept Review) N01DA-19-8946, Medication testing in non-human primates
2019	NIH (ZRG1 MDCN-G 58) Chair, Extracellular vesicles and substance use disorders
2019	NIH (ZDA1 LXF-L 31) 2019 NIDA Loan Repayment Program Review
2014 – 2020	NIH (Neurobiology of Motivated Behavior) Standing Member
2021	Oskar Fisher Prize: Member, Jury Committee
2021	NIH (ZRG1 BBBP-T 90 S) Chair, Mechanism of learning, emotion, stress, and health
2022	NIH (ZDA1 LXF-C 06 R) Member, Mechanistic studies of social inequality on substance use
2022	NIH (ZDA1 CEM-M J1) Using rodent models to identify substance use pharmacotherapies
2023	NIH (ZRG1 IFCN-R 50) Chair, FDA Tobacco Centers on Regulatory Science (U54)
2023	NIH (ZDA1 CEM-T A1) 2023 NIDA Loan Repayment Program Review
2023	NIH (ZRG1 ICN-M 02) Neurobiology of Motivated Behavior, Neurotoxicology, and Alcohol
2024	NIH external advisory panel for the basic/mechanistic brain disorders study sections ENQUIRE process (9/10-11/2024)

Editorial

Current

2010 –	Editor for Behavioral Pharmacology and Neuroscience, <i>Journal of the Experimental Analysis of Behavior</i>
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Past

2007 – 2010	Section Editor, <i>Encyclopedia of Behavioral Neuroscience</i>
2009 – 2021	Editorial Advisory Board, <i>ACS Chemical Neuroscience</i>

- 2012 – 2021 Section Editor for Motivated Behavior, *Pharmacology Biochemistry & Behavior*
- 2021– 2022 Guest Editor-in-Chief, *Journal of the Experimental Analysis of Behavior*, Special Issue titled “Using complex behavior to understand brain mechanisms in health and disease” Volume 117, Issue 3

Journal Reviewer:

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|---|---|--|
| - Acta Biochimica et Biophysica Sinica | - Learning & Behavior | - Jn Exper Analysis of Behavior |
| - Behavioural Brain Research | - Learning and Motivation | - Progress Neuro-Psychopharm & Bio Psychiatry |
| - Behavioral Neuroscience | - Life Sciences | - Naturwissenschaften |
| - Behavioural Pharmacology | - Neurobiology of Learning and Memory | - PLoS-ONE |
| - Behavioural Processes | - Neuropharmacology | - Neuroscience & Biobehavioral Reviews |
| - Biological Psychiatry | - Neuropsychopharmacology | - Annali dell'Istituto Superiore di Sanità
(Annals of the Institute of Health, Italy) |
| - Brain Research | - Neuroscience Letters | - Cost Effectiveness and Resource Allocation |
| - Developmental Psychobiology | - Nicotine & Tobacco Research | - Learning and Memory |
| - Experimental and Clinical Psychopharm | - Pharmacology Biochemistry & Behavior | - Psychonomic Bulletin & Review |
| - Integrative Physiology & Behav Science | - Physiology & Behavior | - Molecular Psychiatry |
| - International Jn Comparative Psychology | - Psychopharmacology | - British Journal of Pharmacology |
| - JEP: Animal Behavior Processes | - Synapse | - Nature – Scientific Reports |
| - Jn of Pharmacology & Exper Therapeutics | - Nature Protocols | - Gene, Brain and Behavior |
| - Neurotoxicology & Teratology | - Neuroscience | - Physiological Reports |
| - Biochemical Pharmacology | - Journal of Neuroscience | |
| - Current Drug Abuse Reviews | - Quarterly Jn of Experimental Psychology | |
| - Pharmacological Reports | - Molecular Neurobiology | |
| - European Journal of Neuroscience | - Drug and Alcohol Dependence | |
| - Alcoholism: Clinical & Exp Research | - Jn of Pharmacy and Pharmacology | |

AWARDS/RECOGNITION

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| 1998 | Sigma Xi Outstanding Young Scientist Award, University of Nebraska Chapter |
| 2001 | Recognition for Contribution to Students, Parents Association & Teaching Council (UNL) |
| 2004 | Recognition as Muse for Mortar Board member Steve Wiltgen |
| 2005 | Psychology Department Faculty Member of the Year, Psi Chi and Undergraduate Psychology Organization |
| 2006 | Recognition for Contribution to Students, Parents Association & Teaching Council (UNL) |
| 2006 | Recognition as Muse for Mortar Board member Jill Rosno |
| 2006 | Fellow of the American Psychological Association (APA), Division 6
(Behavioral Neuroscience & Comparative Psychology) |
| 2007 | Fellow of the APA, Division 28 (Psychopharmacology & Substance Use) |
| 2008 | College of Arts & Sciences Award for Outstanding Research & Creative Achievement in the Social Sciences (UNL) |
| 2009 | Dean's Award for Excellence in Graduate Education (UNL) |
| 2009 | Sigma Xi Outstanding Scientist Award, University of Nebraska Chapter |
| 2011 | Fellow of the Midwestern Psychological Association |
| 2014 | UNL's May Graduate Commencement and Hooding Speech “CRASH! SMASH! BASH! A video of the speech can be viewed here |
| 2017 | Recognition for Contribution to Students, Parents Association & Teaching Council (UNL) |
| 2021 | Fellow of the American Psychological Association (APA), Division 25
(Behavior Analysis) |

2023	Fellow of the Society for Research on Nicotine and Tobacco
2023	Outstanding Research and Creative Activity Award, University of Nebraska (system-wide)
2024	Fellow of the National Strategic Research Institute (NSRI)
2024	Brady-Schuster Award, APA Division 28 recognition for outstanding fundamental behavioral science contributions to psychopharmacology and substance use
2023	Fellow of the American Association for the Advancement of Science

RESEARCH PROGRAM (Summary)

My research program bridges areas of neuroscience, pharmacology, animal learning and behavior, and biopsychology. We use preclinical animal models to understand the behavioral, neural, and pharmacological factors contributing to drug use and misuse liability. One arm of this research program investigates how behavioral and neuropharmacological processes involved in the perceptibility of a drug stimulus and the behavior it controls changes with learning history. For nicotine, recent research implicates β_2 -containing nicotinic acetylcholine receptors and the dorsal medial striatum in acquired appetitive behaviors controlled by the nicotine stimulus. Other empirical efforts focus on neuro-inflammation, extracellular vesicles, and novel pharmacotherapy approaches for treating nicotine and methamphetamine use, understanding the reward-enhancing effects of drugs using behavioral economics, and development of more translationally relevant animal models to inform FDA tobacco regulation policy. We are extending these arms of the research program to include sex differences and nicotine-alcohol interaction.

EXTRAMURAL FUNDING

Current:

- NIH (R01 DA057208) "Understanding and mitigating exacerbated nicotine use resulting from Pavlovian interoceptive conditioning" 04.01.23 to 04.30.28: \$1,943,750 (Role: PI; 80% F&A; 1 cal mo)
- NIH (P20 GM130461) "Rural Drug Addiction Research Center of Biomedical Excellence" [Phase 1: 04.05.19 to 03.07.24 (\$11,854,178); Phase 2: 03.08.24 to 02.28.29 (\$11,595,663) – total funding: \$23,449,841] Role: PI and Director; 70% F&A; 3 cal mo
- NIH (U13 GM143856) "National IDeA Symposium of Biomedical Research Excellence – NISBRE" 02.06.24 to 03.31.27: \$134,720 to UNL (Role: multi-PI; 100% F&A; 0.1 cal mo)
- NSRI/DoD (U2-20-F0090) "Non-opioid anesthetic countermeasures" 08.24.20 to 08.24.24*: \$109,708 (Role: UNL multi-PI [Barrett/Bevins]; 10% F&A; 0.48 cal mo) *work request extended
- NIH (R21 DA058588) "Mechanisms underlying prescription opioid use post social defeat in HIV+ adolescents" 05.01.23 to 04.30.25: \$46,650 (Role: co-I; 100% F&A; 0.1 cal mo)
- NIH (R36 DA059867) "Contraceptive hormone impacts on the primary reinforcing and reward-enhancing effects of nicotine" 06.15.24 to 05.31.25: \$106,998 (Role: Dissertation Chair, K. McNealy; 100% F&A)

Pending:

- NIH (R01) "High throughput molecular profiling and single-cell resolution mapping of the rodent brain along the Opioid Use Disorder (OUD) trajectory" 09.01.24 to 08.30.29: \$761,355 (Role: multi-PI; 80% F&A; 1.0 cal mo)
- NIH (R21) "Risk of SUD post social defeat during adolescence in offspring with maternal oxycodone exposure" 09.01.24 to 03.31.26: \$46,650 (Role: co-I; 100% F&A; 0.1 cal mo)
- NIH (R01) Mechanisms underlying SUD and CNS dysfunction post social defeat in HIV+ adolescents 09.01.24 to 08.31.29: \$378,132 (Role: co-I; 80% F&A; 0.5 cal mo)

Past:

NIH (F32-DA05623): National Research Service Award: "Morphine conditioning of activity using taste cues" 02.01.95 to 07.31.96: \$36,280 (Sponsor: Bardo)

Nebraska DHHS (LB506 1997) "Individual differences in reactivity to nicotine" 07.01.97 to 06.30.98: \$25,800 (Role: PI)

NIH (R03-MH57240): "Novelty reward: Behavioral and neural substrates" 04.01.97 to 03.31.99: \$31,709 (Role: PI)

Nebraska DHHS (LB506 1999): "Dopamine and conditioned associations with nicotine" 07.01.99 to 12.31.00: \$29,950 (Role: PI)

NIH (Research Supplement for DA011893): "Pavlovian conditioning processes involving nicotine" 06.01.00 to 05.31.02: \$55,510 (Role: PI)

Nebraska DHHS (LB506 2001): "Cue competition and acquired associations with nicotine" 07.01.01 to 06.30.02: \$35,977 (Role: PI)

NIH (R01-DA011893): "Pavlovian conditioning processes involving nicotine" 06.01.99 to 10.31.03: \$325,278 (Role: PI)

NIH (R41-DA016843): "A peptide-based vaccine to nicotine" 03.01.04 to 02.28.06: \$62,653 (Role: Co-Investigator)

NIH (Summer Internship Supplement to DA018114): "Transdisciplinary research in the bio-behavioral processes of nicotine dependence" 06.04.07 to 08.10.07: \$5,670 (Role: PI)

NIH (R03-DA017086): "Reference-dose method and cocaine-conditioned choice" 03.15.05 to 03.14.08: \$144,000 (Role: PI)

NIH (R01-CA102259): "Development of peptide-based vaccines to nicotine" 08.01.04 to 06.30.08: UNL portion \$271,200 (Role: Co-Investigator)

NIH (R21-DA023951): "Altering nicotine reward through conditioning" 07.01.08 to 06.30.11: \$339,528 (Role: PI; 100% F&A)

Nebraska DHHS (LB506 2011): "Iptakalim for nicotine use in schizophrenia: A preclinical test" 06.01.10 to 06.30.11: \$40,000 (Role: co-I; 0.45/0.15 cal mo academic/summer)

Nebraska DHHS (NEB-2012-01B): "Reward learning with nicotine: female/male differences" 07.01.11 to 06.30.12: \$39,930 (Role: PI; no F&A)

NIH (R01- DA018114): "Acquired appetitive properties of nicotine" 07.01.04 to 07.31.12: \$1,409,114 (Role: PI; 100% F&A)

Nebraska DHHS (NEB-2014-04B): "Sex differences in nicotine addiction-Deciphering the synapse" 07.01.13 to 06.30.14: \$10,884 (Role: co-I; behavioral assays)

Nebraska DHHS (LB506 2015): "Nicotine enhancement of alcohol seeking" 07.01.15 to 06.30.16: \$47,900 (Role: PI; no F&A)

NIH (R21 DA039356): "The interplay between interoception, learning, and relapse risk" 06.01.16 to 03.31.19: contract portion \$196,435 (Role: multi-PI; 100% F&A; 1.2 cal mo)

NIH (R01 DA034389): "Pharmacological interventions for diminishing nicotine associated responding" 06.01.12 to 05.31.19: \$1,521,087 (Role: PI; 100% F&A; 1.3 cal mo)

NSRI/DoD (U2-19-FA018) "Non-opioid countermeasures study" 06.20.19 to 12.31.20: \$120,712 (Role: UNL PI; 50% F&A; 0.1 cal mo)

NIH (R01 DA042379) "Role of extracellular vesicles in methamphetamine mediated neurotoxicity" start 09.01.16; our component 07.01.18 to 06.30.21: \$234,460 (Role: co-PI; 100% F&A; 0.5 cal mo)

NIH (R01 DA046109) "Interoceptive conditioning with nicotine: Changes in abuse liability" 07.15.18 to 07.14.24: \$1,880,230 (Role: PI; 100% F&A; 1.5 cal mo) *No cost extension

NIH (R01 DA046852) "Extracellular vesicles, meth relapse and sex differences" 09.30.18 to 06.30.24: \$739,147 (Role: multi-PI; 100% F&A; 0.58 cal mo)

INTRAMURAL FUNDING**Current:**

NU Collaborative Initiative (Team Seed Grant): “Social defeat (bullying) during adolescence and opioid addiction: Novel markers and mechanisms” 07.01.23 to 06.30.25: \$150,000 (\$52,000 as Co-I; 0% F&A)

NU Collaborative Initiative (Team Seed Grant): “Therapeutic efficacy of mesenchymal stem cells derived extracellular vesicles to treat methamphetamine addiction” 07.01.23 to 06.30.25: \$150,000 (\$52,000 as Co-I; 0% F&A)

Pending

None

Past:

Summer Research Fellow: UNL Research Council, “Acquisition of an environment-nicotine association: Important behavioral parameters” Summer 1997: \$6,500 (Role: PI)

Research Grant-in-Aid: UNL Research Council, “Assessment of behavioral parameters in the acquisition of an environment-nicotine association in rats” 01.01.97 to 12.31.97: \$2,995 (Role: PI)

Faculty Layman Award: “Novelty seeking and reward: Developing an animal model” 05.01.97 to 04.30.98: \$3,974 (Role: PI)

Research Grant-in-Aid: UNL Research Council, “Interaction between the rewarding effects of cocaine and novelty” 01.01.99 to 12.31.99: \$3,994 (Role: PI)

Faculty Layman Award: “Effects of caffeine pre-exposure on learned associations with nicotine” 05.01.99 to 12.31.00: \$7,231 (Role: PI)

UNMC College of Dentistry Seed Grant: “Chronic pre-exposure to caffeine and neurobehavioral interactions with nicotine and amphetamine” 06.12.00 to 06.30.01: \$4,426 (Dr. E. Fung, PI)

Interdisciplinary Research Grant: UNL Research Council, “Development of a vaccine pharmacotherapy for methamphetamine abuse” 01.01.02 to 12.31.03: \$16,788 (Role: PI)

Faculty Seed Grant: UNL Research Council, “Nicotine as a conditional stimulus: Testing an animal model” 01.01.04 to 12.31.04: \$9,895 (Role: PI)

Faculty Layman Award: “Persistent avoidance responding as an animal model of schizophrenia” 06.01.06 to 07.31.07: \$9,995 (Role: Co-I; Dr. M. Li, PI)

UNL Strategic Research Cluster Grant: “Building translational capacity of the Substance Abuse Research Cluster (SARC)” 07.01.06 to 06.30.10: \$160,000 (Role: PI)

UNL/UNMC Biomedical Research Grant: “Bupropion in the treatment of methamphetamine dependence” 06.01.07 to 05.31.10: \$94,046 (Role: PI on UNL portion)

UNL/UNMC Cost Sharing. “Continuing the translational research and training efforts of SARC [Substance Abuse Research Cluster]” 01.01.09 to 12.31.10: \$70,000 (Role: dual-PI with Grant KM)

Minority Health Grant (UNL Tobacco Settlement Funds) “Risk and protective factors for rural methamphetamine dependence” 03.31.10 to 06.30.11: \$73,391 with \$23,391 budgeted to directly support SARC (Role: co-I on research; PI on SARC)

Program of Excellence: “Behavioral Health” May 2009 to August 2012 (Role: Associate Director)

Cluster Grant (Vice Chancellor for Research and Economic Development) “Substance Abuse and Violence Initiative (SAVI)” 10.01.11 to 09.30.13: \$78,330 (Role: co-I)

Layman: New Direction (UNL) “Neurocognitive deficits induced by exposure to a blast wave” 06.01.12 to 06.30.14: \$15,375 (Role: PI)

Nebraska Research Initiative 2012 “Strategies to prevent relapse in chronic methamphetamine abusers” 07.01.12 to 06.30.14: \$100,000 (Role: co-I, behavioral assays)

Nebraska Research Initiative 2015 “Aging and NeuroAIDS: A systems biology approach to decode the synapse” 07.01.15 to 06.30.17: \$100,000 (Role: co-I)

CAS-Instructional Improvement Grant “Infusing multicultural perspectives in the undergraduate psychology curriculum: Graduate training in teaching psychology and updating faculty resources” 08.01.16-05.30.18: \$9,250 (Role: multi-PI; Hope & Stoltenberg)

NU Collaborative Initiative (Team Seed Grant): “Strategies to mitigate intergenerational prescription opioid use” 07.01.21 to 06.30.24: \$150,000 (\$62,000 as Co-I; 0% F&A)

NU Collaborative Initiative (Team Seed Grant): "Synthetic antioxidants to treat low back pain in a novel translational model" 07.01.21 to 06.30.24: \$150,000 (\$52,000 as Co-I; 0% F&A)

PUBLICATIONS (📖 = subject to editorial review only)

1989

1. **Bevins RA** & Bitgood S (1989) Chapter 15: Developing a device to assess attitudes toward snakes. Bitgood (Ed.), *Visitor studies: Theory, research, and practice*, Vol. 2, Center for Social Design, Jacksonville, EUA. (pp. 123-130)

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2. Palya WL & **Bevins RA** (1990) Serial conditioning as a function of stimulus, response, and temporal dependencies. *Journal of the Experimental Analysis of Behavior*, 53, 65-85.

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3. **Bevins RA** & Ayres JJB (1991) Two issues in Pavlovian fear conditioning: Selective fear of bright vs. dark, and CS determinants of CR form. *Behavioural Processes*, 24, 211-218.

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4. **Bevins RA** (1992) Selective association: A methodological critique. *The Psychological Record*, 42, 57-73.
5. **Bevins RA** & Ayres JJB (1992) One-trial backward excitatory fear conditioning transfers across contexts. *Behaviour Research and Therapy*, 30, 551-554.
6. **Bevins RA** & Ayres JJB (1992) Rats' location during conditioned suppression training. *Animal Learning & Behavior*, 20, 8-16.

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7. Albert M, Ricker S, **Bevins RA**, & Ayres, JJB (1993) Extending continuous versus discontinuous conditioned stimuli before versus after unconditioned stimuli. *Journal of Experimental Psychology: Animal Behavior Processes*, 19, 255-264.

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8. **Bevins RA** & Ayres JJB (1994) Factors affecting rats' location during conditioned suppression training. *Animal Learning & Behavior*, 22, 302-308. **see inset image
9. **Bevins RA** & Ayres JJB (1994) A deficit in one-trial context fear conditioning is not due to opioid analgesia. *Pharmacology, Biochemistry and Behavior*, 49, 183-186.

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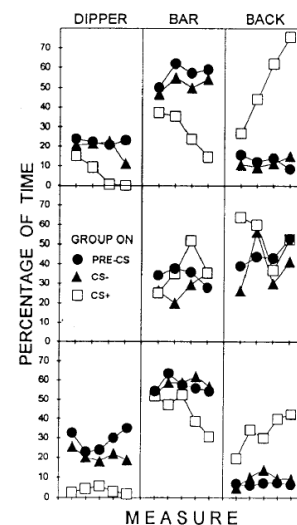
10. **Bevins RA** & Ayres JJB (1995) One-trial context fear conditioning as a function of the interstimulus interval. *Animal Learning & Behavior*, 23, 400-410.
11. **Bevins RA**, Valone JM, Bradley M, & Bardo MT (1995) Morphine taste conditioning and analgesia: Assessing conditioned and novelty-induced analgesia. *Experimental and Clinical Psychopharmacology*, 3, 9-14.

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12. Kim SD, Rivers S, **Bevins RA**, & Ayres JJB (1996) Conditioned stimulus determinants of conditioned response form in Pavlovian fear conditioning. *Journal of Experimental Psychology: Animal Behavior Processes*, 22, 87-104.
13. **Bevins RA**, Delzer TA, & Bardo MT (1996) Characterization of the conditioned taste aversion produced by 7-OH-DPAT in rats. *Pharmacology, Biochemistry and Behavior*, 53, 695-699.
14. **Bevins RA**, Delzer TA, & Bardo MT (1996) Second-order conditioning detects unexpressed morphine-induced salt aversion. *Animal Learning & Behavior*, 24, 221-229.

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15. **Bevins RA**, Delzer TA, & Bardo MT (1997) Unexpressed morphine conditioned salt aversion: procedural variants and hypertonicity of salt. *Behavioural Processes*, 40, 129-136.



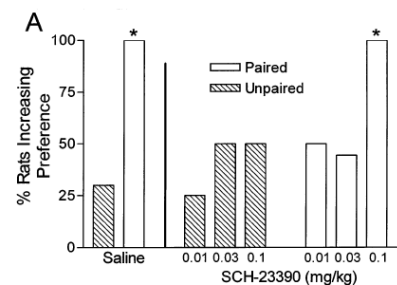
16. **Bevins RA**, McPhee JE, Rauhut AS, & Ayres JJB (1997) Converging evidence for one-trial context fear conditioning with an immediate shock: Importance of shock potency. *Journal of Experimental Psychology: Animal Behavior Processes*, 23, 312-324.
17. **Bevins RA**, Klebaur JE, & Bardo MT (1997) Individual differences in response to novelty, amphetamine-induced activity and drug discrimination in rats. *Behavioural Pharmacology*, 8, 113-123.
18. **Bevins RA**, Klebaur JE, & Bardo MT (1997) 7-OH-DPAT has *d*-amphetamine-like discriminative stimulus properties. *Pharmacology, Biochemistry and Behavior*, 58, 485-490.
19. Burgos JE & **Bevins RA** (1997) The *P*-system: A scheme for organizing Pavlovian procedures. *Behavior Research Methods, Instruments, & Computers*, 29, 473-483.
20. Bardo MT, **Bevins RA**, Klebaur JE, Crooks PA, & Dwoskin LP (1997) (-)-Nornicotine partially substitutes for (+)-amphetamine in a drug discrimination paradigm in rats. *Pharmacology, Biochemistry and Behavior*, 58, 1083-1087.

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21. **Bevins RA** & Bardo MT (1998) Morphine conditioned changes in locomotor activity: Role of the conditioned stimulus. *Experimental and Clinical Psychopharmacology*, 6, 131-138.

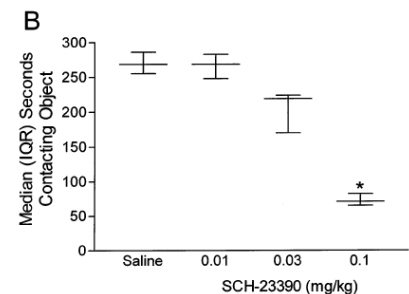
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22. **Bevins RA** & Bardo MT (1999) Conditioned increase in place preference by access to novel objects: Antagonism by MK-801. *Behavioural Brain Research*, 99, 53-60.
23. Bardo MT, Valone JM, & **Bevins RA** (1999) Locomotion and conditioned place preference produced by acute intravenous amphetamine: Role of dopamine receptors and individual differences in amphetamine self-administration. *Psychopharmacology*, 143, 39-46.
24. Besheer J, Jensen HC, & **Bevins RA** (1999) Dopamine antagonism in a novel-object preference and a novel-object place conditioning preparation with rats. *Behavioural Brain Research*, 103, 35-44. **see inset image
25. **Bevins RA**, Jensen HC, Hinze TS, & Besheer J (1999) Taste quality and extinction of a conditioned taste aversion in rats. *Animal Learning & Behavior*, 27, 358-366.



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26. Bardo MT & **Bevins RA** (2000) Conditioned place preference: What does it add to our preclinical understanding of drug reward? *Psychopharmacology*, 153, 31-43.
27. Besheer J & **Bevins RA** (2000) The role of environmental familiarization in novel-object preference. *Behavioural Processes*, 50, 19-29.
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29. **Bevins RA**, Rauhut AS, McPhee JE, & Ayres JJB (2000) One-trial context fear conditioning with immediate shock: The roles of transport and context cues. *Animal Learning & Behavior*, 28, 162-171.



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30. Besheer J, Short KR, & **Bevins RA** (2001) Dopaminergic and cholinergic antagonism in a novel-object preference task in rats. *Behavioural Brain Research*, 126, 211-217.
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32. **Bevins RA**, Koznarova J, & Armiger TJ (2001) Environmental familiarization in rats: Differential effects of acute and chronic nicotine. *Neurobiology of Learning and Memory*, 75, 63-76.

33. **Bevins RA** & Besheer J (2001) Individual differences in rat locomotor activity are diminished by nicotine through stimulation of central nicotinic acetylcholine receptors. *Physiology & Behavior*, 72, 237-244.
34. **Bevins RA**, Besheer J, & Pickett KS (2001) Nicotine-conditioned locomotor activity in rats: Dopaminergic and GABAergic influences on conditioned expression. *Pharmacology, Biochemistry and Behavior*, 68, 135-145.
35.  **Bevins RA** (2001) Should we essentially ignore the role of stimuli in a general account of operant selection? *Behavioral & Brain Sciences (Commentary)*, 24, 528-529.
36. Klebaur JE, **Bevins RA**, Segar TM, & Bardo MT (2001) Individual differences in behavioral responses to novelty and amphetamine self-administration in female and male rats. *Behavioural Pharmacology*, 12, 267-275.
37. Palmatier MI & **Bevins RA** (2001) Chronic caffeine exposure in rats blocks a subsequent nicotine-conditioned taste avoidance in a 1-bottle, but not a 2-bottle test. *Pharmacology, Biochemistry and Behavior*, 70, 279-289.

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38. **Bevins RA**, Besheer J, Palmatier MI, Jensen HC, Pickett KS, & Eurek S (2002) Novel-object place conditioning: Behavioral and dopaminergic processes in expression of novelty reward. *Behavioural Brain Research*, 129, 41-50.
39.  Carlo G, & **Bevins RA** (2002) The need for proximal mechanisms to understand individual differences in altruism. *Behavioral & Brain Sciences (Commentary)*, 25, 255-256.
40. Palmatier MI & **Bevins RA** (2002) Examination of GABAergic and dopaminergic compounds in the acquisition of nicotine-conditioned hyperactivity in rats. *Neuropsychobiology*, 45, 87-94.
41.  Risinger FO, Cunningham CL, **Bevins RA**, & Holloway FA (2002) Place conditioning: What does it add to our understanding of ethanol reward? *Alcoholism: Clinical and Experimental Research*, 26, 1444-1452.

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42. Besheer J & **Bevins RA** (2003) The impact of nicotine withdrawal on novelty reward and related behaviors. *Behavioral Neuroscience*, 117, 327-340.
43. **Bevins RA** & Palmatier MI (2003) Nicotine-conditioned locomotor sensitization in rats: Assessment of the US-preexposure effect. *Behavioural Brain Research*, 143, 65-74.
44. Palmatier MI, Fung EYK, & **Bevins RA** (2003) Effects of chronic caffeine preexposure on the conditioned and unconditioned psychomotor activity induced by nicotine and amphetamine in rats. *Behavioural Pharmacology*, 14, 191-198.
45. Sanderson SD, Vennerstrom JL, Cheruku SR, Padmanilayam MP, Thiele GM, Palmatier MI, & **Bevins RA** (2003) Active immunization against nicotine with a peptide vaccine composed of a conformationally biased agonist of C5a as a molecular adjuvant. *International Immunopharmacology*, 3, 137-146.

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46. Besheer J, Palmatier MI, Metschke DM, & **Bevins RA** (2004) Nicotine as a signal for the presence or absence of sucrose reward: A Pavlovian drug appetitive conditioning preparation in rats. *Psychopharmacology*, 172, 108-117.
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48.  **Bevins RA** & Bardo MT (2004) Introduction: Motivation, drug abuse, and 50 years of theoretical and empirical inquiry. In Bevins RA & Bardo MT (Eds.), *Nebraska Symposium on Motivation*, 50, *Motivational Factors in the Etiology of Drug Abuse* (pp. ix-xv). Lincoln: University of Nebraska Press.
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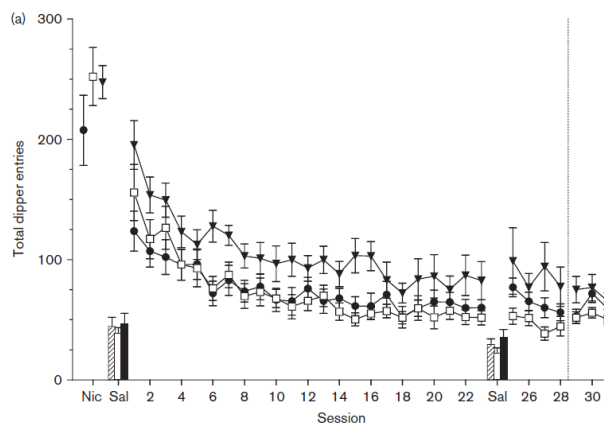
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53. **Bevins RA** (2005) The reference-dose place conditioning procedure yields a graded dose-effect function. *International Journal of Comparative Psychology*, 18, 101-111.
54. **Bevins RA** & Besheer J (2005) Novelty reward as a measure of anhedonia. *Neuroscience and Biobehavioral Reviews*, 29, 707-714.
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56. Palmatier MI, Metschke DM, Wilkinson JL, & **Bevins RA** (2005) Stimulus properties of nicotine, amphetamine, and chlordiazepoxide as positive features in a Pavlovian appetitive discrimination task in rats. *Neuropsychopharmacology*, 30, 731-741.

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59. **Bevins RA**, Wilkinson JL, Palmatier MI, Siebert HL, & Wiltgen SM (2006) Characterization of nicotine's ability to serve as a negative feature in a Pavlovian appetitive conditioning task in rats. *Psychopharmacology*, 184, 470-481.
60. Wilkinson JL, Herrman L, Palmatier MI, & **Bevins RA** (2006) Rats' novel object interaction as a measure of environmental familiarity. *Learning and Motivation*, 37, 131-148.
61. Wilkinson JL, Murray JE, Li C, Wiltgen SM, Penrod RD, Berg SA, & **Bevins RA** (2006) Interoceptive Pavlovian conditioning with nicotine as the conditional stimulus varies as a function of number of conditioning trials and unpaired sucrose deliveries. *Behavioural Pharmacology*, 17, 161-172.
62. Wilkinson JL, Palmatier MI, & **Bevins RA** (2006) Pre-exposure to nicotine alters the subsequent locomotor stimulant effects of bupropion in rats. *Nicotine & Tobacco Research*, 8, 141-146.

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74.  Kiviniemi MT & **Bevins RA** (2008) Role of affective associations in the planning and habit systems of decision making related to addiction. *Behavioral Brain Science*, 31, 450-451.
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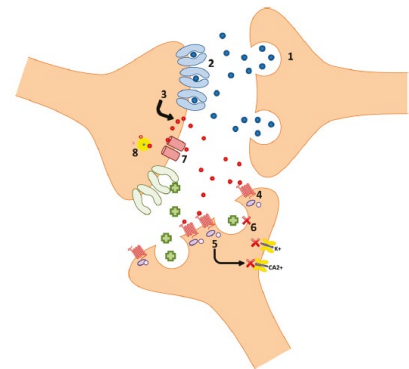
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2011

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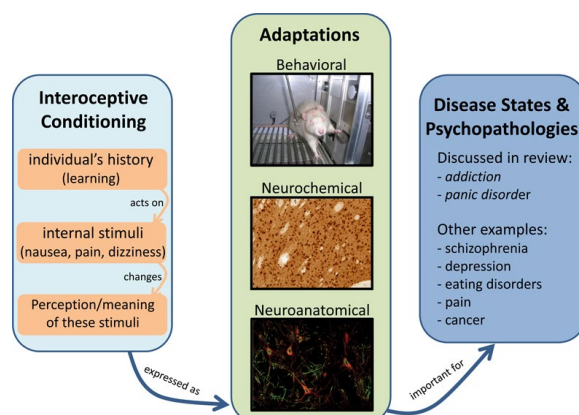
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2015

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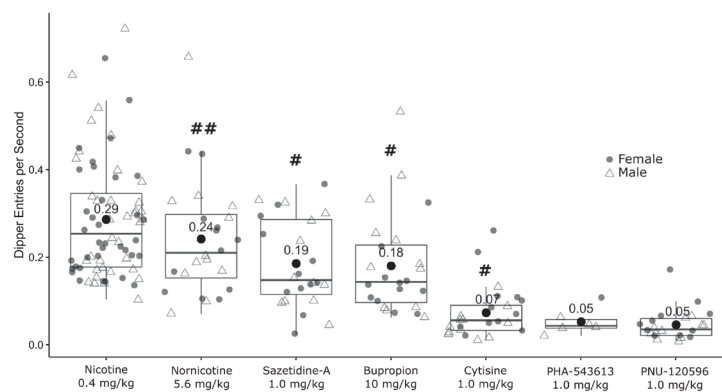
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2016

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2018

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2020

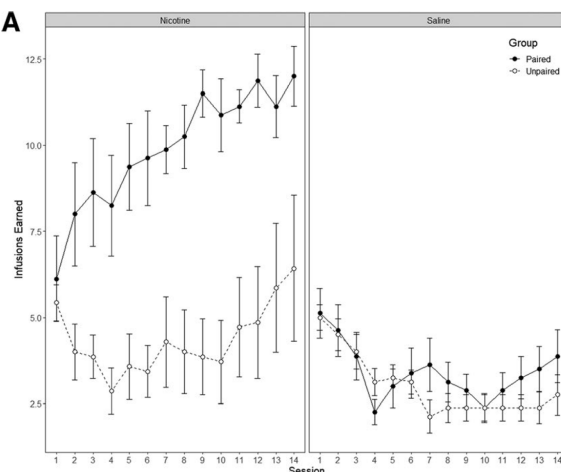
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2021

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2022

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2023

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2024/in press

170. Houser SD, McNealy KR, Barrett ST, & **Bevins RA** (2024) Varenicline but not cotinine increased the value of a visual stimulus reinforcer in rats: No evidence for synergy of the two compounds. *Pharmacology, Biochemistry & Behavior*, 235, 173702.
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172. McNealy KR, Oevermann MW, Knabel ML, Fitzwater A, Gipson CD, Barrett ST, & **Bevins RA** (2024) Low but physiologically effective doses of EE and LEVO do not alter the reinforcing effects of a brief visual stimulus in ovary-intact Sprague-Dawley rats. *Hormones and Behavior*, 161, 105506.
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175. Barrett ST, Tracy ME, & **Bevins RA** (online) Use of the overexpectation effect to reduce conditioned seeking behavior controlled by nicotine. *Psychonomic Bulletin & Review*.

myNCBI

Required for NIH Biographical Sketch and can be found [here](#)

ORCID ID

0000-0002-2438-2264

submitted/in revision

- Barrett ST, McNealy KR, Ramirez H, Flynn A, & Bevins RA (submitted) The perceptible internal stimulus effects of intravenous nicotine acquire additional reinforcing value via Pavlovian conditioning: Dose- and sex-dependency of heightened nicotine self-administration.
- Barrett ST, McNealy KR, Knabel M, Burrichter R, & Bevins RA (in revision) Interoception, learning, and alternations in drug use.
- Auman C, Barrett ST, & Bevins RA (in revision) Parametric assessment of the reward enhancing effects of caffeine and methylphenidate in female and male rats.
- Agrawal A, Kevil CG, Bevins RA, Bhuiyan MAN (submitted) Characterizing the demographics, trends, and subtypes of stimulant-associated heart failure by ejection fraction. *Circulation: Cardiovascular Quality and Outcomes*.

BOOKS

- Bevins RA** & Bardo MT, Eds. (2004) *Volume 50 of the Nebraska Symposium on Motivation: Motivational Factors in the Etiology of Drug Abuse*. Participants: Bardo M, Bevins R, de Wit H, Koob G, Panksepp J, Spealman R, Stewart J, Vogel-Sprott M, & Wise R. Lincoln: University of Nebraska Press. ISBN: 978-0803213401
- Bevins RA** & Caggiula AR, Eds. (2009) *Volume 55 of the Nebraska Symposium on Motivation: The Motivational Impact of Nicotine and its Role in Tobacco Use*. Participants: Bardo M, Bevins R, Caggiula A, Dani J, Dwoskin D, Markou A, Perkins K, Picciotto M, Rose J, Schnur P, & Tiffany S. New York: Springer. ISBN: 978-0387787480
- Hope DA & **Bevins RA**, Eds. (2018) *Volume 66 of the Nebraska Symposium on Motivation: Change and Maintaining Change*. Participants: Albarracín D, Bevins R, Bird C, Hope, D, Higgins S, Koob G, Madden G, Maibach, Rosser-Renouf. New York: Springer. ISBN: 978-3319969190

TECHNICAL REPORTS

- Habecker P, Gocchi Carrasco N, & **Bevins RA** (2023) Knowledge of, and access to NARCAN (naloxone) among Nebraskan adults: In 2020, 2021, and 2022. [Rural Drug Addiction Research Center](#).

INVITED PRESENTATIONS

1994-1999

- Self-administration and drug reward: Cocaine and amphetamine examples. (1994, October) Center for Prevention Research, University of Kentucky, Lexington KY.
- Individual differences in the subjective and rewarding effects of drugs of abuse. (1995, October) Center for Prevention Research, University of Kentucky, Lexington KY.
- Associative processes in one-trial context conditioning. (1996, October) Fall 1996 Meeting of the Nebraska Behavioral Biology Group, NE.
- Individual differences and the psychomotor effects of nicotine. (1998, March) Department of Pharmacology, University of Nebraska Medical Center, Omaha NE.
- Novelty seeking and reward: Implications for drug abuse (1999, April) Psychology Department, Grinnell College, Grinnell IA.
- Behavioral and neural substrates mediating novelty preference and reward (1999, May) Neuroscience & Behavior Program, University of Massachusetts, Amherst MA.
- Novelty: Seeking, reward, & mediating processes (1999, May) New England Regional Primate Research Center, Harvard Medical School, Southborough MA
- Neural substrates for conditioned behavioral responses to novelty (1999, June) In a symposium entitled Motives for Behavior: From Neurobiological to Cognitive Perspectives (Sponsored by the National Institute on Drug Abuse at the 1999 APS Conference) Denver CO.

2000-2004

- Conditioned associations with nicotine: Behavioral and neural processes (2000, March) Department of Psychology, University of Missouri, Columbia MO.
- Nicotine and learning (2000, May) 72nd Annual Meeting of the Midwestern Psychological Association, Chicago IL.
- Novelty seeking and reward: Implications for high-risk behaviors (2000, June) Annual Meeting of the American Psychological Society, Miami Beach, FL.
- Place conditioning: Understanding the motivational impact of stimuli (2001, June) Research Society on Alcoholism, Montreal, Canada.
- Pavlovian conditioning processes involving nicotine (2002, October) Department of Behavioral Neuroscience, Oregon Health & Science University, Portland OR.
- Preclinical models of associative learning processes involving nicotine (2004, May) Veterans Administration Research Service Seminar, Omaha NE.
- Extending the role of associative learning processes in drug abuse (2004, May) Brooklyn College, Brooklyn NY.
- A potential dual role for nicotine in tobacco abuse: Evidence from preclinical models of drug conditioning (2004, June) Neuroscience Mental Health Seminar at Omaha VA, NE.

2005

- Bio-behavioral processes mediating nicotine addiction: Evidence from the laboratory and clinic (2005, April) Keynote speaker at the 1st Annual Psychobiology Research Festival. University of Nebraska-Omaha, NE.
- Pavlovian conditioning and its potential role in nicotine addiction (2005, April) UNC Bowles Center for Alcohol Studies, Chapel Hill NC.
- Nicotine, associative learning, & tobacco addiction (2005, May) Center for Drug Abuse Research Translation, University of Kentucky, Lexington, KY.
- A Pavlovian conditioning approach to studying discriminative stimulus effects of nicotine (2005, May) 31st Annual Convention of the Association for Behavior Analysis, Chicago IL.
- Behavioral and neuropharmacological processes in tobacco addiction: Evidence from the laboratory and clinic (2005, July) Molecular and Biochemical Etiology Program Meeting, Eppley Cancer Center UNMC, Omaha, NE.

Extending the role of associative learning processes in tobacco addiction: Evidence from the laboratory and clinic (2005, October) Department of Psychology, University of Nebraska-Lincoln, NE.

2006

What is the reference place conditioning procedure? (2006, April) Department of Behavioral Neuroscience, Oregon Health & Science University, Portland OR.

Conceptualizing nicotine as a cue within an interoceptive Pavlovian conditioning framework (2006, May) Invited symposium: Psychopharmacology of Nicotine, 73rd Annual Meeting of the Midwestern Psychological Association, IL (Organizer: R. Bevins; Participants: R. Bevins, H. deWit, M. LeSage, & S. Tiffany; Discussant: M. Bardo).

Changing the meaning of nicotine—one reward at a time. (2006, May) Tuesday Neuroscience Night, Department of Biomedical Sciences, Creighton University School of Medicine, Omaha NE.

Extending our conceptualization of Pavlovian conditioning processes in tobacco addiction. (December, 2006) The 20th Anniversary Celebration of the Neuroscience & Behavior Program, University of Massachusetts-Amherst, MA.

2007

Neurobehavioral processes in nicotine dependence and tobacco use: Evidence from the clinic and laboratory (April, 2007) Conservatory Research Series at Doane College, NE.

An overview of non-nicotine pharmacotherapies for nicotine dependence and smoking (May, 2007) Department of Veterans Affairs: Nebraska-Western Iowa Health Care System.

Preclinical animal models for assessing the potential efficacy of behavioral, pharmacological, and immunological therapies for drug abuse (June, 2007) Schering Plough Corporation, NJ

Investigation of nicotine as a Pavlovian cue. (August 2007) The 115th Annual Convention of the American Psychological Association, CA.

Changing the functional impact of nicotine through Pavlovian conditioning (October, 2007) 2007 Annual Meeting of the Pavlovian Society, TX.

Changing the 'meaning' of nicotine through learning (October, 2007) National Institute on Drug Abuse (NIDA), Rockville MD.

Recent clinical and preclinical advances in the treatment of smoking and nicotine dependence (November, 2007) Keynote Address: 2007 Meeting of the Nebraska Psychological Society, Crete NE.

Assessing behavioral and neuropharmacological processes involving abused drugs using preclinical animal models. (December, 2007) Center for Neurovirology and Neurodegenerative Disorders, University of Nebraska Medical Center, Omaha NE.

2008

Pavlovian conditioning processes involving nicotine: Implications for treatment of smoking (Feb, 2008) Department of Psychology, American University, Washington DC.

Treatment of smoking and nicotine dependence: Current and future directions (March, 2008) OLLI mini-course on Psychology at Southeast Community College, Lincoln NE.

Contribution of learning processes to the tenacity of nicotine dependence. (April, 2008) Department of Psychology, Kansas State University, Manhattan KS.

2009

Altering the behavioral and motivational effect of nicotine through conditioning processes. (January, 2009) Department of Neuroscience, Medical University of South Carolina, Charleston SC.

Toward more effective treatments of smoking and nicotine dependence. (April, 2009) Sigma Xi, The Scientific Research Society, Awards & Initiation Banquet, Lincoln NE.

Conditioning processes and drug states (August, 2009) The 117th Annual Convention of the American Psychological Association, Toronto.

What can conditional discriminations involving nicotine tell us about processes relevant to medication development for treating chronic tobacco use? (August, 2009) NIDA sponsored workshop "Validation of in vivo Screening for Drug Discovery and Development: Focus on Smoking Cessation" Rockville MD.

Behavioral and neuropharmacological processes involving the internal nicotine state (November, 2009) Department of Pharmacology and Toxicology, University of Utah, Salt Lake City UT.

2010

- Current and future directions for research on tobacco use and nicotine dependence (January, 2010) Department of Veterans Affairs: Nebraska-Western Iowa Health Care System, Omaha NE.
- Nicotine, motivation, & appetitive learning (May, 2010) Invited Symposium: "The Neuroscience of Flavor Learning, Consumption and Reward". 82nd Midwestern Psychological Association Conference, Chicago IL.
- Current and future directions for research on tobacco use and nicotine dependence (May, 2010) UNMC Psychiatry Grand Rounds, Omaha NE.
- Neuropharmacological investigation of the internal nicotine state: Consideration of conditioning processes (May, 2010) Department of Pharmacology & Toxicology, University of Arkansas for Medical Sciences, Little Rock AR.
- Surprising findings regarding the neuropharmacology of the internal nicotine drug state (December, 2010) VA Friday Research Seminar, Omaha, NE.

2011

- What extinction learning can tell us about the neural processes underlying the effects of nicotine? (April, 2011) Duke Institute for Brain Science Addiction Research Group, Durham NC.
- Disentangling the nature of the nicotine stimulus with extinction learning. (May, 2011) 34th Annual Meeting of the Society for Quantitative Analysis of Behavior, Denver CO.
- Quitting tobacco: continuing efforts for better treatment. (July, 2011) INBRE Summer Seminar, Lincoln NE.

2012

- The nicotine stimulus: A new approach to disentangling its underlying neuropharmacological mechanisms. (Feb, 2012) Department of Pharmacology, University of Kansas, Lawrence KS.
- Interoceptive conditioning and drug abuse (August, 2012) Division 28 Presidential Lecture of the 120th Annual Convention of the American Psychological Association, Orlando FL.

2013

- Internal states and drug addiction: Rethinking their import. (June, 2013) Munroe-Meyer Institute for Genetics and Rehabilitation, Omaha NE.
- Interoceptive conditioning and drug addiction: Was Pavlov right? (Sept, 2013) Texas A&M Institute for Neuroscience, College Station TX.
- Altering the motivational impact of nicotine. (Nov, 2013) Center for Drug Abuse and Research Translation at the University of Kentucky, Lexington, KY.
- Introspection on interoception. (Nov, 2013) Local NIDA Seminar Series, Lexington, KY.

2014

- UNL Graduate Commencement and Hooding Speech (May 2014) "CRASH! SMASH! BASH! A video of the speech can be viewed [here](#)
- Drug abuse and addiction: Panel participant. (August, 2014) Pharmacology and Experimental Neuroscience Department, University of Nebraska Medical Center, Omaha, NE.

2015

- Nicotine self-administration in rats - trials published and unpublished (June, 2015) Symposium: "Challenges of Nicotine Self-Administration in the Laboratory" International Study Group Investigating Drugs as Reinforcers. Phoenix, AZ.
- Conditioned enhancement of the nicotine reinforcer (September, 2015) Symposium: "Drugs and Conditioning" Pavlovian Society. Portland, OR
- Smoking and having a good time: Can such experiences change the abuse liability of nicotine (October, 2015) Inaugural Symposium: Nebraska Center for Drug Abuse Research. Omaha, NE.

2016

- Avoiding death by a 1000 duck bites: Time-saving tips from DEOs (February, 2016) Department Executive Officer (DEO) Brown Bag Series. UNL.
- Nicotine and interoceptive conditioning: Implications for treating nicotine dependence (April, 2016) Symposium: "Nicotinic Agonist/Antagonist Drug Development: Implications for Treatment of

Neurodegenerative and Addictive Disorders” ASPET Annual Meeting at Experimental Biology 2016. San Diego, CA.

Altered perception of nicotine cues: Implications for smoking cessation therapy (November, 2016) SRI Biosciences, Center for Health Sciences. Menlo Park, CA.

Nicotine, interoception, and drug abuse liability (November 2016) University of South Dakota, Division of Basic Biomedical Sciences. Vermillion, SD.

2017

Premise, rigor, and transparency: Don’t be coy (January, 2017) Panel discuss on NIH’s new guidelines hosted by Social & Behavioral Sciences Consortium. UNL.

Investigating changes in the abuse liability of nicotine (March, 2017) Department of Psychology, Arizona State University. Tempe AZ.

Behavioral and pharmacological approaches to changing the abuse liability of nicotine (April, 2017) Department of Biomedical Sciences, Creighton University School of Medicine. Omaha NE.

Changing the abuse liability of nicotine: Behavioral and pharmacological approaches. (May, 2017) Department of Physiology and Pharmacology, Wake Forest School of Medicine. Winston-Salem NC.

2018

Altered abuse liability of nicotine in the era of FDA tobacco regulation (April, 2018). Keynote Speaker, Biomedical Sciences Science Symposium Bryan College of Health Sciences. Lincoln, NE.

Bio-behavioral factors affecting the abuse liability of nicotine (October, 2018) Nebraska Center for Drug Abuse Research. Omaha, NE.

Consideration of factors altering the abuse liability of nicotine (October, 2018) Invited Panel Speaker, 2018 Conference for National Hispanic Science Network on Drug Abuse. Rockville, MD.

Cultivate don’t compost: Developing future leaders (November & December, 2018) Workshop co-lead with Sergio Ruiz for Department Executive Officers and Associate Deans. University of Nebraska.

Tobacco regulatory science and the investigation of factors altering the abuse liability of nicotine (November, 2018) Department of Psychology and the Center of Integrated Biomedical and Bioengineering Research. University of New Hampshire. Durham NH.

Telling your story: A conversation about effective grant writing. (November, 2018) Department of Psychology and the Center of Integrated Biomedical and Bioengineering Research. University of New Hampshire. Durham, NH.

2019

Invited discussant for symposium titled “Pain, nicotine, and tobacco smoking: Translational research to identify mechanisms and inform the development of novel interventions” 2019 Annual Meeting of the Society for Research on Nicotine & Tobacco, San Francisco, CA.

Invited discussant for symposium titled “Multiple roles of nicotine in reinforcement and addiction” 2019 Annual Meeting of the Society for Research on Nicotine & Tobacco, San Francisco, CA.

Tobacco regulatory science and factors altering the abuse liability of nicotine (November, 2019) Neuroscience Program. Penn State University. University Park, PA.

Considering factors impacting nicotine use and dependence in the era of FDA tobacco regulation (December 2019) Virginia Commonwealth University, Massey Cancer Center. Richmond, VA.

2020-2022

Pandemic caused cancellation of several invited talks in 2020

Invited panelist for early career panel titled “Ask the Editors” (September 2021) National Hispanic Science Network. Virtual.

Understanding primary reinforcement is just not enough to explain the misuse of nicotine (October 2022) Mid-American Association for Behavior Analysis. St. Louis, MO.

2023

Bigfoot, unicorns, and nicotine primary reinforcement: The stuff of legends (May 2023) The Society for the Quantitative Analysis of Behavior. Denver, CO.

Invited panelist Big Ten Academic Alliance discussion titled “Fostering and Inclusive and Impactful Research Ecosystem” (December 2023) Big Ten Academic Leadership Program. Virtual.

2024

Standing on the shoulder of giants: A journey of discovery in psychopharmacology and substance use. (August 2024) Invited Division 28 Brady-Schuster Awardee presentation. The 2024 American Psychological Association conference, Seattle, WA.

CONFERENCE PRESENTATIONS (* denotes primary presenter)**1987-1989**

- Hurst PW*, Sutherland BL, Brown KW, Murphy NH, Thaw AK, & Bevins RA (1987, May) The effects of classical conditioning procedures on feeding patterns. 13th Annual Convention of the Association for Behavior Analysis, TN.
- Bevins RA* & Palya WL (1988, March) Serial conditioning as a function of temporal dependencies. 34th Annual Meeting of the Southeastern Psychological Association, LA.
- Bevins RA* & Palya WL (1988, May) Serial conditioning as a function of response dependencies. 14th Annual Convention of the Association for Behavior Analysis, PA.
- Palya WL* & Bevins RA (1988, May) User group meeting and system demonstration. Implementing research with an easy to use, inexpensive general purpose computer/interface. 14th Annual Convention of the Association for Behavior Analysis, PA.
- Bevins RA* & Palya WL (1988, August) Serial conditioning as a function of temporal dependencies. 96th Annual convention of the American Psychological Association, GA.
- Bevins RA, Bitgood S, & Patterson D* (1989, May) Evaluating the educational and emotional impact of a snake demonstration. 1989 Visitor Studies Conference, MI.

1990-1993

- Bevins RA* & Ayres JJB (1990, March) CS modality effects in Pavlovian fear conditioning: Selective association vs. topographical account. 61st Annual Meeting of the Eastern Psychological Association, PA.
- Bevins RA* & Ayres JJB (1991, April) Measurement of rats' location during conditioned suppression. 62nd Annual Meeting of the Eastern Psychological Association, NY.
- Burgos JE* & Bevins RA (1991, May) A reconstruction of the notion of temporal contiguity in respondent conditioning procedures. 17th Annual Convention of the Association for Behavior Analysis, GA.
- Garner C* & Bevins RA (1991, Nov) Generating graphics for presentation with drawing packages. 21st Annual Conference of Society for Computers in Psychology, CA.
- Bevins RA* & Ayres JJB (1992, April) One-trial backward fear conditioning survives a change in context. 63rd Annual Meeting of the Eastern Psychological Association, MA.
- Burgos JE* & Bevins RA (1992, April) C-System: A methodological formulation of Pavlovian procedures. 63rd Annual Meeting of the Eastern Psychological Association, MA.
- Bevins RA* & Ayres JJB (1993, April) Rats' location during extended barpress suppression training. 64th Annual Meeting of the Eastern Psychological Association, VA.

1994

- Bevins RA* (1994, March) One-trial context evoked freezing affected by manipulations of the ISI. 8th Annual Indiana-Purdue-Kentucky Conference on Animal Learning and Behavior, IN.
- Kim SD, Rivers S, Bevins RA, & Ayres JJB* (1994, April) CS determinants of CR form in Pavlovian fear conditioning. 65th Annual Meeting of the Eastern Psychological Association, RI.
- Bevins RA* & Ayres JJB (1994, May) Manipulation of the interstimulus interval affects one-trial context fear conditioning in rats. 66th Midwestern Psychological Association Conference, IL.
- Bevins RA*, Valone JM, Bradley MC, & Bardo MT (1994, May) Effects of number of conditioning trials on morphine-conditioned taste aversion and analgesia. 66th Midwestern Psychological Association Conference, IL.
- Bevins RA* & Ayres JJB (1994, May) No role of opioid analgesia in one-trial context conditioning. 20th Annual Convention of the Association for Behavior Analysis, GA.
- Bevins RA*, Shanmugham K, & Bardo MT (1994, Nov) Taste- and odor-specific locomotor sensitization using morphine. 24th Annual Meeting of the Society for Neuroscience, FL.

Valone JM*, Gibson TR, Bevins RA, & Bardo MT (1994, Nov) Intravenous amphetamine produces conditioned place preference using a single trial in rats. 24th Annual Meeting of the Society for Neuroscience, FL.

1995

- Bevins RA* (1995, April) Morphine locomotor conditioning: Importance of the CS in determining CR form. Tri-state Conference on Animal Learning & Behavior, OH.
- Bevins RA* & Bardo MT (1995, May) Cue-specific taste aversion using a morphine US: Unexpressed salt aversion detected with second-order conditioning. 67th Midwestern Psychological Association Conference, IL.
- Klebaue JE*, Bevins RA, & Bardo MT (1995, May) Individual differences in amphetamine drug discrimination. 67th Midwestern Psychological Association Conference, IL.
- Valone JM*, Gibson TR, Bevins RA, & Bardo MT (1995, May) One-trial conditioned place preference using intravenous drug administration in rats. 67th Midwestern Psychological Association Conference, IL.
- Bevins RA*, Klebaue JE, Dwoskin LP, & Bardo MT (1995, May) Factors affecting generalization between amphetamine and nicotine discriminative stimulus effects. 21st Annual Convention of the Association for Behavior Analysis, DC.
- Bevins RA*, Bradley MC, Klebaue JE, & Bardo MT (1995, Nov) The D₃ agonist 7-OH-DPAT generalizes to the discriminative stimulus effects of amphetamine in rats. 25th Annual Meeting of the Society for Neuroscience, CA.
- Valone JM*, Williamson AP, Bevins RA, Shaw WB, Dwoskin LP, & Bardo MT (1995, Nov) The effects of differential rearing on the psychostimulant effects of amphetamine and the dopamine transporter. 25th Annual Meeting of the Society for Neuroscience, CA.

1996

- Bevins RA*, Murphy M, Marion MC, & Bardo MT (1996, May) Place preference in rats conditioned by repeated access to a novel object. 68th Midwestern Psychological Association Conference, IL.
- Kaiser DH*, Cook BR, Bevins RA, & Zentall TR (1996, May) Conditioned taste aversion in a distinct context results in an inverse relationship between place preference and consumption. 68th Midwestern Psychological Association Conference, IL.
- Valone JM, Delzer TA, Klebaue JE, Bevins RA*, & Bardo MT (1996, May) Individual differences in one-trial conditioned place preference and self-administration using intravenous amphetamine in rats. 68th Midwestern Psychological Association Conference, IL.
- McPhee JE*, Rauhut AS, Bevins RA, & Ayres JJB (1996, April) Multiple measures of one-trial contextual fear conditioning following strong versus weak immediate shock. 67th Annual Meeting of the Eastern Psychological Association, NY.
- Klebaue JE*, Marion M, Bevins RA, Carney J, & Bardo MT (1996, Nov) Novelty seeking predicts individual differences in amphetamine disrupted bar pressing. 26th Annual Meeting of the Society for Neuroscience, DC.
- Bevins RA*, Brown NA, & Bardo MT (1996, Nov) Novelty as an appetitive stimulus: Pretreatment with MK-801, and parallel effects with cocaine. 26th Annual Meeting of the Society for Neuroscience, DC.

1997

- Bevins RA*, Brown NA, & Bardo MT (1997, May) Alteration of object interaction and novelty-conditioned place preference by MK-801. 69th Midwestern Psychological Association Conference, IL.
- Brown NA*, Bevins RA, & Bardo MT (1997, May) Nicotine conditioned activity. 69th Midwestern Psychological Association Conference, IL.
- Klebaue JE*, Bevins RA, & Bardo MT (1997, May) Individual differences in amphetamine self-administration. 69th Midwestern Psychological Association Conference, IL.
- Bevins RA* (1997, June) Individual differences in response to novelty and nicotine-induced hyperactivity. 3rd Annual Meeting of the Society for Research on Nicotine and Tobacco, TN.
- Bevins RA* & Koznarova J (1997, Oct) Alteration of rats' open platform behaviors and subsequent novel object interaction by nicotine. 27th Annual Meeting of the Society for Neuroscience, LA.

Klebaaur JE*, Marion M, Bevins RA, & Bardo MT (1997, Oct) Correlational analyses relating behavioral response to novelty and amphetamine. 27th Annual Meeting of the Society for Neuroscience, LA.

1998

McPhee JE*, Rauhut AS, Bevins RA, & Ayres JJB (1998, April) Effects of transport cue on one-trial contextual fear conditioning. 69th Annual Meeting of the Eastern Psychological Association.

Armiger TJ* & Bevins RA (1998, May) Is novelty necessary for "novelty" conditioned place preference? 70th Midwestern Psychological Association Conference, IL.

Besheer J* & Bevins RA (1998, May) The role of habituation in novelty detection. 70th Midwestern Psychological Association Conference, IL.

Jensen HC* & Bevins RA (1998, May) Eticlopride alters object interaction and novelty conditioned place preference. 70th Midwestern Psychological Association Conference, IL.

Klebaaur JE*, Segar TM, Bevins RA, & Bardo MT (1998, May) Individual differences in novelty seeking and amphetamine disrupted bar pressing in female rats. 70th Midwestern Psychological Association Conference, IL.

Besheer J* & Bevins RA (1998, May) Environment, object exposure, and later novelty detection in rats. American Psychological Society 10th Annual Convention, DC.

Bevins RA*, Besheer J, & Hinze TS (1998, May) Reactivity to novelty and the subsequent locomotor effects of nicotine. 1998 Meeting of the Behavioral Pharmacology Society, PA.

Besheer J*, Jensen HC, Armiger TJ, & Bevins RA (1998, Nov) Novelty: Detection, reward, and dopamine receptors. 28th Annual Meeting of the Society for Neuroscience, CA.

1999

Armiger TJ*, Besheer J, Eurek S, Pickerill G, Pickett K, & Bevins RA (1999, May) Effects of nicotine treatment in two behavioral preparations. 71st Midwestern Psychological Association Conference, IL.

Besheer J*, Outten C, & Bevins RA (1999, May) Assessment of dopamine involvement in novel-object preference. 71st Midwestern Psychological Association Conference, IL.

Jensen HC*, Hinze TS, & Bevins RA (1999, May) Extinction of a conditioned taste aversion varies with taste quality. 71st Midwestern Psychological Association Conference, IL.

Besheer J* & Bevins RA (1999, June) Environment-nicotine association in rats: Elimination of alternative accounts. 1999 Convention of the American Psychological Society, CO.

Bevins RA*, Besheer J, & Jensen HC (1999, Sept) Dissociation between the dopaminergic substrates mediating novelty preference and reward. 1999 Meeting of the Behavioral Pharmacology Society, MA.

Besheer J* & Bevins RA (1999, Nov) T-maze visual discrimination in rats: Individual differences and the effects of nicotine. 28th Annual Meeting of the Society for Neuroscience, FL.

Jensen HC*, Eurek S, Pickett KS, & Bevins RA (1999, Nov) Novelty Reward: Alternative accounts and necessity of novelty. 29th Annual Meeting of the Society for Neuroscience, FL.

2000

Besheer J* & Bevins RA (2000, May) Environment familiarity and novel-object preference. 72nd Midwestern Psychological Association Conference, IL.

Jensen HC*, Besheer J, Pickett KS, & Bevins RA (2000, May) Summation of cocaine and novelty reward during 1-trial place conditioning. 72nd Midwestern Psychological Association Conference, IL.

Palmatier MI*, Pickett KS, Jensen HC, & Bevins RA (2000, May) Novelty-conditioned place preference: Manipulation of US magnitude. 72nd Midwestern Psychological Association Conference, IL.

Pickett KS*, Besheer J, & Bevins RA (2000, May) Expression of nicotine conditioning: Sensitivity to dose and D₁ antagonism. 72nd Midwestern Psychological Association Conference, IL.

Besheer J*, & Short KR, & Bevins RA (2000, June) Dopamine antagonism in a novel-object preference task. 2000 Convention of the American Psychological Society, FL.

Palmatier MI* & Bevins RA (2000, June) Nicotine conditioned avoidance of saccharin following chronic caffeine exposure. 2000 Convention of the American Psychological Society, FL.

Besheer J*, Pickett KS, Eurek S, & Bevins RA (2000, Nov) Dopamine involvement in the expression of nicotine-conditioned locomotor activity. 30th Annual Meeting of the Society for Neuroscience, LA.

- Palmatier MI* & Bevins RA (2000, Nov) Conditioned and unconditioned effects of nicotine following chronic exposure to caffeine. 30th Annual Meeting of the Society for Neuroscience, LA.
- Jensen HC,* Palmatier MI, Besheer J, Pickett KS, & Bevins RA (2000, Nov) Novelty place and locomotor conditioning: Interaction with cocaine. 30th Annual Meeting of the Society for Neuroscience, LA.

2001

- Bevins RA* (2001, Jan) Learned associations with nicotine as the US. Winter Conference on Animal Learning & Behavior, CO.
- Besheer J* & Bevins RA (2001, March) Mecamylamine restores nicotine disruption of individual differences in rats' activity. 7th Annual Meeting of the Society for Research on Nicotine and Tobacco, WA.
- Palmatier MI,* Pickett KS, & Bevins RA (2001, March) Assessment of dopaminergic involvement in nicotine-conditioned hyperactivity in rats. 7th Annual Meeting of the Society for Research on Nicotine and Tobacco, WA.
- Besheer J* & Bevins RA (2001, May) Novelty-conditioned place preference: antagonism of expression. 73rd Midwestern Psychological Association Conference, IL.
- Palmatier MI* & Bevins RA (2001, May) A nicotine conditioned taste aversion is attenuated by chronic caffeine preexposure. 73rd Midwestern Psychological Association Conference, IL.
- Eurek S* & Bevins RA (2001, May) The effect of the interstimulus interval on nicotine locomotor conditioning. 73rd Midwestern Psychological Association Conference, IL.
- Palmatier MI* & Bevins RA (2001, May) The conditioned and unconditioned effects of nicotine following chronic preexposure to caffeine: Evidence from two behavioral preparations. 2001 Missouri Conference on Animal Learning & Cognition, MO.
- Besheer J* & Bevins RA (2001, Nov) Differential effects of nicotine withdrawal on novelty detection and reward. 31st Annual Meeting of Society for Neuroscience, CA.
- Eurek SE,* Besheer J, Zwart ER, & Bevins RA (2001, Nov) Factors influencing learned associations with nicotine. 31st Annual Meeting of Society for Neuroscience, CA.
- Palmatier MI,* Woledge CW, & Bevins RA (2001, Nov) Assessment of dopaminergic and GABAergic involvement in acquisition of nicotine-conditioned hyperactivity. 31st Annual Meeting of Society for Neuroscience, CA.

2002

- Bevins RA* (2002, Jan) Pavlovian drug modulation of appetitive behavior. Winter Conference on Animal Learning & Behavior, CO.
- Besheer J* & Bevins RA (2002, Feb) Nicotine withdrawal: Effects on novelty reward and environmental familiarization. 8th Annual Meeting of the Society for Research on Nicotine and Tobacco, GA.
- Palmatier MI,* Woledge CW, VanBoening J, & Bevins RA (2002, Feb) Effects of nicotine pre-exposure on the subsequent conditioned and unconditioned locomotor effects nicotine in rats. 8th Annual Meeting of the Society for Research on Nicotine and Tobacco, GA.
- Bernstein D,* Bevins RA, Raffaelli M, Garbin C, & Mathie VA (2002, Sept) Representing curricular achievement through externally reviewed course portfolios. The 2002 Meeting of the Best Practices in Assessment, GA.
- Palmatier MI* & Bevins RA (2002, Oct) Feature-positive modulation of appetitive Pavlovian conditioning by nicotine: Effects of training protocol, extinction, and retention interval. 8th Annual Duke Nicotine Research Conference, NC.
- Karpegayan K,* Metschke DM, & Bevins RA (2002, Oct) Evidence for transfer of conditioned excitation in a nicotine-conditioned locomotor preparation. 8th Annual Duke Nicotine Research Conference, NC.
- Besheer J* & Bevins RA (2002, Oct) Nicotine withdrawal: Effects on novelty reward and environmental familiarization. 8th Annual Duke Nicotine Research Conference, NC.

2003

- Bevins RA* (2003, Feb) Sasquatch, innovation, and other mysteries. Winter Conference on Animal Learning & Behavior, CO.
- Bevins RA* (2003, Feb) Hey, it's time for my nicotine... Winter Conference on Animal Learning & Behavior, CO.

- Palmatier MI* & Bevins RA (2003, Feb) Feature positive modulation of goal tracking by nicotine: Associative and stimulus properties of the nicotine feature. Winter Conference on Animal Learning & Behavior, CO.
- Karpegayan K* & Bevins RA (2003, Feb) Implications of noradrenergic system in a novel-object recognition task. The Winter Conference on Animal Learning & Behavior, CO.
- Bevins RA,* Palmatier MI, Metschke DM, & Besheer, J (2003, April) Feature positive modulation of goal tracking by amphetamine. 2003 Meeting of the Behavioral Pharmacology Society, CA.
- Palmatier MI,* Metschke DM, Herrman L, & Bevins RA (2003, Nov) Modulation of goal tracking by positive nicotine and amphetamine features: Effects of dose and compound manipulations. 33rd Annual Meeting of Society for Neuroscience, LA.
- Peterson J,* Siebert H, Palmatier MI, Besheer J, Metschke DM, & Bevins RA (2003, Nov) Antagonism of the modulatory and conditional stimulus properties of nicotine. 33rd Annual Meeting of Society for Neuroscience, LA.
- Wilkinson JL*, Palmatier MI, Besheer J, Metschke DM, & Bevins RA (2003, Nov) A test for state-dependent recall of an appetitive association before training a drug state as a feature positive modulator. 33rd Annual Meeting of Society for Neuroscience, LA.

2004

- Bevins RA* (2004, Feb) Place conditioning: An unexploited model of associatively-motivated choice behavior. Winter Conference on Animal Learning & Behavior, CO.
- Palmatier MI* & Bevins RA (2004, Feb) Drug contexts as occasion setters: Conditional stimulus modality and drug feature pharmacology affect goal tracking topography in rats. Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL*, Palmatier MI, & Bevins RA (2004, April) Chlordiazepoxide modulates appetitive Pavlovian conditioning. 76th Midwestern Psychological Association Conference, IL.
- Palmatier MI*, Wilkinson JL, & Bevins RA (2004, April) Extinction of a positive drug feature in appetitive Pavlovian conditioning. 76th Midwestern Psychological Association Conference, IL.
- Herrman LE*, Wilkinson JL, Palmatier MI, & Bevins RA (2004, April) Factors affecting environmental familiarization in rats. 76th Midwestern Psychological Association Conference, IL.
- Palmatier MI* & Bevins RA (2004, June) Extinction of Pavlovian feature positive drug occasion setters in rats. Annual Meeting of The College on Problems of Drug Dependency, Puerto Rico.
- Siebert HL*, Wiltgen SM, Wilkinson JL, Palmatier MI, & Bevins RA (2004, October) Characterization of a Pavlovian feature negative discrimination task with nicotine. 34th Annual Meeting of Society for Neuroscience, CA.
- Palmatier MI*, Wilkinson JL, & Bevins RA (2004, October) Associative properties of nicotine, amphetamine, and chlordiazepoxide modulators in a Pavlovian appetitive discrimination task in rats. 34th Annual Meeting of Society for Neuroscience, CA.
- Wilkinson JL*, Palmatier MI, & Bevins RA (2004, October) Pre-exposure to nicotine alters the locomotor stimulant effects of bupropion. 34th Annual Meeting of Society for Neuroscience, CA.

2005

- Murray JE* & Bevins RA (2005, Feb) Nicotine as a conditional stimulus: Role of stimulus salience. Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL* & Bevins RA (2005, Feb) Effects of US density in an appetitive Pavlovian discrimination task with nicotine as the CS. Winter Conference on Animal Learning & Behavior, CO.
- Murray JE*, Wilkinson JL, Berg SA, Penrod RD, Li CJ, Wiltgen SM, & Bevins RA (2005, May) Nicotine as a conditional stimulus: Factors affecting acquisition and extinction. 77th Midwestern Psychological Association Conference, IL.
- Siebert HL*, Wiltgen SM, Wilkinson JL, Palmatier MI, & Bevins RA (2005, May) Nicotine as negative feature in a Pavlovian discrimination task with rats. 77th Midwestern Psychological Association Conference, IL.
- Wilkinson JL*, Palmatier MI, & Bevins RA (2005, May) An investigation of the locomotor activating effects of bupropion in rats. 77th Midwestern Psychological Association Conference, IL.

- Li C*, Siebert HL, Berg SA, Wiltgen SM, Wilkinson JL, Murray JE, & Bevins RA (2005, Nov) Bupropion, caffeine, cocaine, and methamphetamine serve as positive features in an appetitive Pavlovian conditioning task in rats. 35th Annual Meeting of Society for Neuroscience, DC.
- Murray JE*, Horky KD, & Bevins RA (2005, Nov) Dopamine antagonists and MPEP affect conditioned responding to a nicotine conditional stimulus. 35th Annual Meeting of Society for Neuroscience, DC.
- Wilkinson JL*, Penrod RD, Murray JE, & Bevins RA (2005, Nov) Conditioned stimulus effects of nicotine: Bupropion substitution and the effects of sucrose concentration. 35th Annual Meeting of Society for Neuroscience, DC.

2006

- Murray JE* & Bevins RA (2006, Feb) A commonly self-administered IV nicotine dose serves as a CS for sucrose. Winter Conference on Animal Learning & Behavior, CO.
- Reichel CM*, Barra VL, Berg SA, Wilkinson JL, & Bevins RA (2006, Feb) Cocaine and bupropion generalize to a methamphetamine occasion setter. Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL* & Bevins RA (2006, Feb) The temporal dynamics of bupropion substitution for a nicotine CS. Winter Conference on Animal Learning & Behavior, CO.
- Bevins RA* & Wilkinson JL (2006, Feb) Characterization of bupropion substitution for the conditional stimulus effects of nicotine. 12th Annual Meeting of the Society for Research on Nicotine and Tobacco, FL.
- Li C*, Wilkinson JL, & Bevins RA (2006, May) Psychomotor stimulants substitute for a bupropion feature positive modulator. 78th Midwestern Psychological Association Conference, IL.
- Murray JE*, Barra VC, Horky KD, & Bevins RA (2006, May) Characterization of the nicotine CS as a function of salience. 78th Midwestern Psychological Association Conference, IL.
- Penrod RD* & Bevins RA (2006, May) A test of state-dependency's role in an interoceptive conditioning task with a nicotine cue. 78th Midwestern Psychological Association Conference, IL.
- Reichel CM*, Barra VL, Berg SA, Wilkinson JL, & Bevins RA (2006, May) Methamphetamine as a drug feature in a Pavlovian conditioning task. 78th Midwestern Psychological Association Conference, IL.
- Wilkinson JL* & Bevins RA (2006, May) Bupropion shares cueing properties with an appetitively trained nicotine CS. 78th Midwestern Psychological Association Conference, IL.
- Li C*, Murray JE, & Bevins RA (2006, October) Caffeine as a feature positive modulator in a Pavlovian drug conditioning task: assessing amphetamine and nicotine substitution. 36th Annual Meeting of Society for Neuroscience, GA.
- Linkugel JD*, Reichel CM, & Bevins RA (2006, October) Dopamine reuptake inhibitors partially substitute for nicotine as a conditioned stimulus. 36th Annual Meeting of Society for Neuroscience, GA.
- Lyford GD*, Murray JE, & Bevins RA (2006, October) An examination of cannabinoid compounds in mediation of conditioned responding to a nicotine conditional stimulus for water. 36th Annual Meeting of Society for Neuroscience, GA.
- Murray JE* & Bevins RA (2006, October) Conditional stimulus effects of a commonly self-administered IV nicotine dose are centrally mediated. 36th Annual Meeting of Society for Neuroscience, GA.
- Penrod RD*, Reichel CM, & Bevins RA (2006, October) A test of state-dependency's role in a Pavlovian drug discrimination task nicotine. 36th Annual Meeting of Society for Neuroscience, GA.
- Reichel CM* & Bevins RA (2006, October) Novelty conditioned reward competes with cocaine conditioned reward. 36th Annual Meeting of Society for Neuroscience, GA.
- Wilkinson JL*, Carroll FI, & Bevins RA (2006, October) An investigation of bupropion and hydroxybupropion substitution for a nicotine conditioned stimulus in rats. 36th Annual Meeting of Society for Neuroscience, GA.

2007

- Struthers A* & Bevins RA (2007, Feb) Does methylphenidate alter environmental familiarization?? Winter Conference on Animal Learning & Behavior, CO.
- Wilkinson JL* & Bevins RA (2007, Feb) Where oh where can the nicotine place preference be? Winter Conference on Animal Learning & Behavior, CO.

- Linkugel JD*, Reichel CM, & Bevins RA (2007, May) Nicotine as a conditioned stimulus: Impact of ADHD medications. 79th Midwestern Psychological Association Conference, IL.
- Lyford GD*, Murray JE, & Bevins RA (2007, May) Cannabinoid mediation of the interoceptive CS effects of nicotine. 79th Midwestern Psychological Association Conference, IL.
- Murray JE* & Bevins RA (2007, May) Simulating the nicotine cueing effects of "cigarette puffs" in rats. 79th Midwestern Psychological Association Conference, IL.
- Reichel CM*, Linkugel JD, & Bevins RA (2007, May) Bupropion impacts acquisition of methamphetamine self-administration. 79th Midwestern Psychological Association Conference, IL.
- Wilkinson JL* & Bevins RA (2007, May) Obtaining the elusive nicotine place preference with intravenous administration. 79th Midwestern Psychological Association Conference, IL.
- Reichel CM*, Linkugel JD, & Bevins RA (2007, June) Bupropion attenuates methamphetamine self-administration and sucrose-seeking in adult male rats. 69th Meeting of The College on Problems of Drug Dependency, Quebec City.
- Struthers AM*, Reichel CM, & Bevins RA (2007, October) Preliminary evidence of sign tracking in a Pavlovian drug discrimination task with rats. 2007 Annual Meeting of the Pavlovian Society, TX
- Li C*, Linkugel JD, Fullner JD, & Bevins RA (2007, November) Imbuing nicotine with inhibitory properties: Evidence that the nicotine drug state can function as a conditioned inhibitor. 37th Annual Meeting of Society for Neuroscience, CA.
- Linkugel JD*, Sanderson SC, Reichel CM, & Bevins RA (2007, November) Nicotinic acetylcholine receptor agonist substitution for the conditioned stimulus effects of nicotine. 37th Annual Meeting of Society for Neuroscience, CA.
- Murray JE*, Lyford GD, Wells N, & Bevins RA (2007, November) An examination of the cannabinoid agonist CP 55,940 in Pavlovian drug discrimination paradigms. 37th Annual Meeting of Society for Neuroscience, CA.
- Reichel CM* & Bevins RA (2007, November) Investigating the extent to which novelty conditioned reward competes with cocaine conditioned reward. 37th Annual Meeting of Society for Neuroscience, CA.
- Struthers AM*, Wilkinson JL, & Bevins RA (2007, November) An investigation of nicotinic acetylcholine receptor antagonism of the conditioned stimulus effects of nicotine. 37th Annual Meeting of Society for Neuroscience, CA.
- Williams JM*, Lyford GD, Murray JE, & Bevins RA (2007, November) NMDA receptor channel blockers, but not competitive antagonists, block nicotine-evoked conditioned responding in an appetitive Pavlovian drug discrimination task. 37th Annual Meeting of Society for Neuroscience, CA.

2008

- Struthers AM*, Wilkinson JL, & Bevins RA (2008, Feb) Temporal dynamics of nicotinic acetylcholine receptor antagonism of the conditioned stimulus effects of nicotine. Society for Research on Nicotine and Tobacco, OR.
- Wilkinson JL* & Bevins RA (2008, Feb) A preliminary examination of the potentiation of nicotine's rewarding effects through Pavlovian conditioning. Society for Research on Nicotine and Tobacco, OR.
- Reichel CM*, Murray JE, Walker AW, Grant KM, & Bevins RA (2008, June) Bupropion differentially impacts responding for appetitive stimuli. 70th Meeting of The College on Problems of Drug Dependency, Puerto Rico.
- Murray JE*, Wells NR, & Bevins RA (2008, August) Cue competition between an intravenous nicotine CS and light CS. 116th Annual Meeting of the American Psychological Association, MA.
- Reichel CM*, Murray JE, Grant KM, & Bevins RA (2008, September) Bupropion reduces methamphetamine intake during acquisition and maintenance. 2008 NIH Graduate Research Festival, MD.
- Struthers AM*, Reichel CM, & Bevins RA (2008, October) Additive antagonism at the $\alpha 3\beta 4^*$ nicotinic acetylcholine receptor subtype in a Pavlovian drug discrimination task with nicotine. 2008 Annual Meeting of the Pavlovian Society, NJ.
- Murray JE*, Wells NR, & Bevins RA (2008, November) Stimulus effects of IV nicotine dose-dependently overshadow appetitive conditioning to a light CS. 38th Annual Meeting of Society for Neuroscience, DC.

Wells NR*, Walker AW, Li C, Fullner JD, Linkugel JD, Murray JE, & Bevins RA (2008, November) The pharmacological effects of nicotine acquire response inhibition properties through conditioning processes. 38th Annual Meeting of Society for Neuroscience, DC.

Reichel CM* & Bevins RA (2008, November) Competition between cocaine and novelty conditioned rewards is retained at 14 but not 28 days post novelty conditioning. 38th Annual Meeting of Society for Neuroscience, DC.

2009

Wiebe S*, McChargue D, Bevins RA, Kiviniemi C, Wilkinson J, Blobaum L, Wulff S, & Knezevic A (2009, March) The effects of smoking on novelty processing: An ERP study. The 2009 Society for Cognitive Neuroscience, CA.

Murray JE*, Wells NR, & Bevins RA (2009, April) Overshadowing and blocking of appetitive conditioning by the interoceptive stimulus effects of nicotine. The 2009 Joint Conference of Society for Research on Nicotine and Tobacco and SRNT-Europe, Ireland.

Struthers AM*, Sanderson S, Wells NR, & Bevins RA (2009, May) Selective serotonin and noradrenaline reuptake inhibitors antagonize the conditional stimulus effects of nicotine. 81st Midwestern Psychological Association Conference, IL.

Wilkinson JL*, Reichel CM, & Bevins RA (2009, May) Measuring relative reward in the place conditioning task. 81st Midwestern Psychological Association Conference, IL.

Reichel CM*, Murray JE, Barr JD, Sanderson SC, Tracy M, & Bevins RA (2009, June) Transfer of extinction learning for the conditioned stimulus of nicotine by nicotinic receptor agonists. 71st Meeting of The College on Problems of Drug Dependency, Reno Nevada

Murray JE*, Walker AW, Li C, Wells NR, & Bevins RA (2009, September) Nicotine functions as a conditioned inhibitor when trained as a negative feature in an appetitive discrimination task. 13th Biennial Meeting European Behavioural Pharmacology Society, Italy.

Wells NR*, Volf NT, Walker AW, & Bevins RA (2009, October) Weakening nicotine-evoked conditioned responding: Assessing transfer of extinction learning with bupropion. 39th Annual Meeting of Society for Neuroscience, IL.

Barrett ST*, Wilkinson JL, & Bevins RA (2009, October) The effects of nicotine dose and pre-exposure on the conditioned rewarding effects of IV nicotine. 39th Annual Meeting of Society for Neuroscience, IL.

Tracy ME*, Barrett ST, & Bevins RA (2009, October) The behavioral effects of tramadol in an unbiased place conditioning procedure. 39th Annual Meeting of Society for Neuroscience, IL.

2010

Kelsey KM*, Kiviniemi MT, Wiebe SA, McChargue DE, & Bevins RA (2010, Feb) Smoking and the Iowa Gambling Task: Are Smokers Poor Learners in a Task Involving Monetary Reward? Society for Research on Nicotine and Tobacco, MD.

Barrett ST*, Tracy ME, & Bevins RA (2010, Feb) The effects of nicotine on resistance to extinction of responding for a visual stimulus. Winter Conference on Animal Learning & Behavior, CO.

Barrett ST*, Tracy ME, & Bevins RA (2010, April) Nicotine enhances resistance to extinction of responding for a visual stimulus in rats. 82nd Midwestern Psychological Association Conference, IL.

Pittenger ST*, Barrett ST & Bevins RA (2010, April) Pharmacological blockade of extinction learning with nicotine as a CS. 82nd Midwestern Psychological Association Conference, IL.

Charntikov S*, Wells NR, Fink K, & Bevins RA (2010, April) Transfer of extinction learning to the nicotine CS: Extinction with bupropion. 82nd Midwestern Psychological Association Conference, IL.

Wilkinson JL*, Bevins RA, Kiviniemi MT, McChargue DE, & Wiebe SA (2010, April) Reward responsivity and nicotine self-administration in rats. 82nd Midwestern Psychological Association Conference, IL.

Grant KM*, Carlo G, Feresu S, Bevins RA, Kelley SS, Husain I & Martinez MM (2010, May) Risk and protective factors in rural and urban persons with methamphetamine dependence. 2010 Meeting on Improving Health Care for Rural Veterans, ME.

- Grant KM*, Kelley SG, Wilkinson JL, Shostrom V, & Bevins RA (2010, July) Bupropion in the Treatment of Methamphetamine Dependence: Preliminary Findings. 4th VHA Mental Health Conference, Implementing a Public Health Model for Meeting the Mental Health Needs of Veterans, MD.
- Charntikov S*, Tracy ME, & Bevins RA (2010, Nov) A c-Fos immunoreactivity study of the nicotine state as a stimulus in an appetitive conditioning task. 40th Annual Meeting of Society for Neuroscience, CA.
- Polewan RJ*, Tracy ME, Hoffman L, & Bevins RA (2010, Nov) Conditioned stimulus effects of nicotine and varenicline substitution in female rats. 40th Annual Meeting of Society for Neuroscience, CA.

2011

- Olsen LK*, Kelsey KM, Kiviniemi MT, Wiebe SA, McChargue DE, & Bevins RA (2011, April) Electrophysiological markers of nicotine dependence and anhedonia. 18th Annual Cognitive Neuroscience Society Meeting, CA.
- Bevins, RA* (2011, Feb) Learning involving the nicotine state: Adventures in weakening the CR. Winter Conference on Animal Learning and Behavior, CO
- Barrett ST* & Bevins RA (2011, May) Extending the reward-enhancing effects of nicotine to reinforcer demand. Society for Quantitative Analysis of Behavior, CO.
- Charntikov S*, Wells NR, Fink KM, Ihle CC, & Bevins RA (2011, May) Extinction and re-extinction of a nicotine-evoked CR with bupropion. Society for Quantitative Analysis of Behavior, CO.
- Pittenger ST*, Zeplin LC, & Bevins RA (2011, May) Interoceptive conditioning with the nicotine stimulus susceptible to revaluation. Society for Quantitative Analysis of Behavior, CO.
- Polewan RJ* & Bevins RA (2011, May) Conditioned stimulus effects of nicotine: The role of nicotine dose during extinction. Society for Quantitative Analysis of Behavior, CO.
- Pickens LR*, Rowan JD, Bevins RA, & Fountain SB (2011, June) Dose-dependent effects of adolescent nicotine exposure on cognition in the adult female rat. 35th Annual Meeting of the Neurobehavioral-Teratology Society, CA
- Pickens LR*, Rowan JD, Bevins RA, & Fountain SB (2011, Nov) Nicotine exposure during adulthood does not produce long-lasting cognitive impairments in rats like those seen following adolescent exposure. 41st Annual Meeting of the Society for Neuroscience, DC.

2012

- Walker AW*, Li C, Murray JE, & Bevins RA (2012, Jan) An interoceptive nicotine stimulus functions as a conditioned inhibitor in rats: Implications for modulating tobacco addiction. 32nd Annual Australian Neuroscience Society Conference, Gold Coast, Queensland.
- Charntikov S, Swalve N, Pittenger S, Fink K, Schepers S, Hu G, Li M, & Bevins RA* (2012, Mar) Assessment of iptakalim in preclinical models of nicotine abuse liability. 2012 Annual Meeting of the Society for Research on Nicotine and Tobacco. TX.
- Grant KM*, Simpson J, Svingen L, Davis S, Beaumont C, DiLillo D, Carlo G, Feresu S, & Bevins RA (2012, April) Adverse childhood events and methamphetamine use. American Society of Addiction Medicine Medical-Scientific Conference, GA.
- Barrett ST* & Bevins RA (2012, August) Examining the generality of the reward-enhancing effects of nicotine. 120th Annual Convention of the American Psychological Association, FL.
- Charntikov S*, Pittenger S, Swalve N, Fink K, Schepers S, Hu G, Li M, & Bevins RA (2012, Oct) Iptakalim attenuates the stimulus and reinforcing effects of nicotine in rats. 42nd Annual Meeting of the Society for Neuroscience, LA.
- Pittenger S*, Charntikov S, Hoang T, & Bevins RA (2012, Oct) The effect of bupropion and N-acetylcysteine on methamphetamine self-administration and reinstatement in female rats. 42nd Annual Meeting of the Society for Neuroscience, LA.
- Morrison DR*, He OH, Motts A, Buhusi M, Bevins RA, & Buhusi CV (2012, Oct) Differential roles of prelimbic and infralimbic cortices in Pavlovian conditioning to nicotine. 42nd Annual Meeting of the Society for Neuroscience, LA.
- Motts AW*, Morrison DR, He OH, Buhusi M, Bevins RA, & Buhusi CV (2012, Oct) The role of prefrontal cortex in Pavlovian conditioning to nicotine. 42nd Annual Meeting of the Society for Neuroscience, LA.

Swalve N*, Barrett S, Bevins RA, & Li M (2012, Oct) Phencyclidine treatment increases sensitivity to the reward-enhancing effects of nicotine. 42nd Annual Meeting of the Society for Neuroscience, LA.

2013

- Charntikov S*, Fink K, Schepers S, Durham CE, Dwoskin LP, & Bevins RA (2013, March) Investigation of combination treatments in an animal preclinical model of interoceptive conditioning with nicotine. 2013 Annual Meeting of the Society for Research on Nicotine and Tobacco. MA.
- Carlo G*, Simpson J, Grant K, Pudiak C, Kelley S, Martinez M, & Bevins RA (2013, May) Risk and protective correlates of externalizing problems among Latino and European American methamphetamine users. 25th Annual Convention of the Association for Psychological Science, DC.
- Simpson JL, Grant KM, Carlo G, Daly P, Kelley S, & Bevins RA* (2013, Sept) Drug history and psychological burden in female and male methamphetamine-dependent patients. Behavior Change, Health, and Health Disparities, VT.
- Barrett ST* & Bevins RA (2013, Sept) Over-expectation using an exteroceptive context and an interoceptive drug stimulus. The Pavlovian Society Meeting, TX
- Barrett ST*, Pudiak CM, Falco AM, Dwoskin LP, & Bevins RA (2013, Sept) Can generalization of extinction with nicotine substitutes be enhanced through successive extinction training? The Pavlovian Society Meeting, TX
- Charntikov S*, Pittenger S, Vestakis K, & Bevins RA (2013, Sept) Neurobiology of the interoceptive conditioning with the nicotine stimulus. 15th Biennial European Behavioural Pharmacology Society Meeting. Italy.
- Charntikov S*, Pittenger S, Vestakis K, & Bevins RA (2013, Nov) Interoceptive conditioning with the nicotine stimulus slowed by lesions to posterior but not anterior dorsomedial striatum. 43rd Annual Meeting of the Society for Neuroscience, CA.
- Pittenger S*, Zeplin LC, & Bevins RA (2013, Nov) The effect of switching pharmacological intervention on nicotine-evoked conditioned responding in extinction. 43rd Annual Meeting of the Society for Neuroscience, CA.
- Swalve N*, Pittenger S, Bevins RA, & Li M (2013, Nov) The effects of phencyclidine on self-administration of nicotine: A novel hypothesis for the comorbidity of schizophrenia and nicotine abuse. 43rd Annual Meeting of the Society for Neuroscience, CA.

2014

- Charntikov S, Pittenger S, Thapa I, Bastola D, Bevins RA, & Pendyala G * (2014, Jan) Strategies to prevent relapse in chronic methamphetamine abusers: Deciphering the synapse. Miami 2014 Winter Symposium: The molecular basis of brain disorders. Miami, FL.
- Barrett ST*, Pudiak CM, Geary TA, & Bevins RA (2014, May) Females are more sensitive than males to sensory reinforcement and the value enhancing effects of nicotine and bupropion. Association for Behavior Analysis. Chicago, IL.
- Carlo G*, Simpson J, Grant K, Martinez M, Pudiak CM, & Bevins RA (2014, July) Risk and Protective Correlates of METH-Associated Externalizing Problems among European American and U.S. Latino/a METH-Dependent Users. 76th Meeting of The College on Problems of Drug Dependency, Puerto Rico.
- Charntikov S, Pittenger S, Swalve N, & Bevins RA* (2014, April) Interoceptive conditioning and nicotine reinforcement. 2014 Behavioral Pharmacology Society Meeting. San Diego, CA.
- Falco AM* & Bevins RA (2014, Nov) Individual differences in forced and free-choice novelty differentially predict nicotine sensitization behaviors. 44th Annual Meeting of the Society for Neuroscience, DC.
- Charntikov S*, Pittenger S, Swalve N, & Bevins RA (2014, Nov) The effect of appetitive interoceptive conditioning on nicotine reinforcement: a novel nicotine self-administration model. 44th Annual Meeting of the Society for Neuroscience, DC.

2015

- Barrett ST*, Geary TN, Steiner A, Pudiak CM, & Bevins RA (2015, February) Nicotine, bupropion, and varenicline enhance reinforcer demand in male and female rats. Annual Meeting of the Society for Research on Nicotine and Tobacco, PA.

- Pittenger ST*, Smith MD, Hoonakker A, Hanson GR, Fleckenstein AE, & Bevins RA, (2015, March) Investigation of sex differences in neurotensin following nicotine self-administration. Meeting of the American Society for Pharmacology and Experimental Therapeutics, Boston MA.
- Fountain SB*, Pickens LRG, Renaud SM, Doyle KE, Miller ME, Sharp JL, Rowan JD, Bevins RA, Garlick D, & Blaisdell AP (2015, August) Serial pattern learning: Comparative cognition and neurobehavioral assessment. Annual Convention of the American Psychological Association.
- Barrett S*, Lyon S, Pittenger ST, Duszenko N, & Bevins RA (2015, Oct) Evaluating the reward-enhancing effects of nicotine on ethanol self-administration in male and female rats. 45th Annual Meeting of the Society for Neuroscience, Chicago, IL.
- Pittenger ST*, Barrett ST, Chou S, Charntikov S, & Bevins RA (2015, Oct) The effects of varenicline on methamphetamine self-administration and drug-primed reinstatement in male and female rats. 45th Annual Meeting of the Society for Neuroscience, Chicago, IL.

2016

- Gurudutt P*, Buch SJ, Lisco SJ, & Bevins RA (2016, Oct) Targeting inflammation at the synapse in neuroAIDS: Role of synaptic PEBP1. International Society for Neurovirology. Toronto, Canada.
- Barrett ST*, Thompson BM, Pittenger ST, Larsen CE, Emory JR, & Bevins RA (2016, Nov) Nicotine alters demand for alcohol reinforcement in male and female Sprague-Dawley and Wistar rats. 46th Annual Meeting of the Society for Neuroscience, San Diego, CA.
- Pittenger ST*, Chou S, Barrett ST, & Bevins RA (2016, Nov) Examination of sex-dependent neural substrates correlated with meth-triggered reinstatement in rats. 46th Annual Meeting of the Society for Neuroscience, San Diego, CA.
- Thompson BM*, Barrett ST, Emory JR, Larsen CE, Peer AM, Pittenger ST, & Bevins RA (2016, Nov) Interoceptive conditioning and reversal learning with the nicotine and varenicline stimulus. 46th Annual Meeting of the Society for Neuroscience, San Diego, CA. Biennial Meeting of the European Behavioural Pharmacology Society.

2017

- Huynh YW*, Larsen C, Thompson BM, Barrett ST, Hopkins CR, Bevins RA, & Murray JE (2017, April) Differential effects of dopamine receptor antagonism on methamphetamine self-administration in female rats. 65th Nebraska Symposium on Motivation, Lincoln, NE.
- Thompson BM*, Barrett ST, Kwan DA, Emory JR, Murray JE, & Bevins RA (2017, April) Reversal learning with varenicline and nicotine is possible when nicotine is initially trained to signal the absence of reinforcement. 65th Nebraska Symposium on Motivation, Lincoln, NE.
- Barrett ST*, Thompson BM, Larsen CE, Emory JR, & Bevins RA (2017, May) Demand modelling the effects of nicotine, bupropion, varenicline and sazetidine-A on ethanol reinforcement value. 40th Annual Meeting of the Society for Quantitative Analyses of Behavior, Denver, CO.
- Thompson BM*, Kwan DA, Barrett ST, Murray JE, & Bevins RA (2017, May) Testing the substitution of nAChR agonists and antagonists in the drug discriminated goal-tracking task. 40th Annual Meeting of the Society for Quantitative Analyses of Behavior, Denver, CO.
- Murray JE, Huynh YW, Larsen CE, Thompson BM, Callen MP, Barrett ST, Besheer J, & Bevins RA (2017, Sept) Sex differences in the effects of an appetitive nicotine conditioning history on methamphetamine self-administration. 17th Biennial European Behavioural Pharmacology Society meeting, Heraklion, Crete, Greece.
- Larsen CE, Thompson BM, Huynh YW, Catalano I, Wordekemper JA, Barrett ST, Bevins RA, & Murray JE* (2017, Dec) Sex-dependent differences in nicotine self-administration on a second-order schedule and varenicline treatment efficacy. 56th Annual Meeting of the American College of Neuropsychopharmacology, Palm Springs, CA.

2018

- Huynh YW*, Larsen CE, Thompson BM, Callen MP, Barrett ST, Besheer J, Murray JE, & Bevins RA (2018, Feb) Differential effects of an appetitive nicotine conditioning history on methamphetamine self-administration in male and female rats. 2018 Annual Meeting of the Society for Research on Nicotine & Tobacco, Baltimore MD.

- Thompson BM*, Kwan DA, Saeger AN, Larsen CE, Huynh YW, Barrett ST, Murray JE, & Bevins RA (2018, Feb) Exploring the interoceptive stimulus effects of varenicline. 2018 Annual Meeting of the Society for Research on Nicotine & Tobacco, Baltimore MD.
- Larsen CE, Huynh YW, Thompson BM, Catalano I, Wordekemper JA, Barrett ST, Bevins RA, & Murray JE* (2018, Feb) Varenicline treatment efficacy for nicotine self-administration on a second-order schedule differs by sex. 2018 Annual Meeting of the Society for Research on Nicotine & Tobacco, Baltimore MD.
- Fortino B*, Randall PA, Murray JE, Bevins RA, & Besheer J (2018, June) The impact of a nicotine interoceptive conditioning history on alcohol reinstatement. 41st Annual Meeting of the Research Society on Alcoholism, San Diego CA.
- Huynh YW, Thompson BM, Larsen CE, Buch S, Guo M, Bevins RA, & Murray JE (2018, June) Behavioral assessment of cocaine self-administration in HIV-1 transgenic rats compared to F344 wildtypes. 41st Annual Meeting of the Canadian College of Neuropsychopharmacology, Vancouver, BC.
- Huynh YW*, Boltin A, Wordekemper JA, & Bevins RA (2018, Aug) Investigating menthol as a stimulus for reinforcer access in female and male rats. Annual Convention of the American Psychological Association, San Francisco, CA.
- Barrett ST*, Kwan DA, Chavez B, Raimondi A, Thompson BM, & Bevins RA (2018, Aug) Nicotine enhances the demand for sucrose, ethanol, and sucrose-sweetened ethanol in male and female Wistar rats. Annual Convention of the American Psychological Association, San Francisco, CA.
- Huynh YW, Thompson BM, Larsen CE, Buch S, Guo M, Bevins RA, & Murray JE* (2018, Dec) Male HIV-1 transgenic rats show lower levels of cocaine self-administration compared to the F344/N wildtype background strain. 57th Annual Meeting of the American College of Neuropsychopharmacology, Hollywood, FL.

2019

- Barrett ST*, Thompson BM, Emory JR, Kwan, Larson CE, & Bevins RA (2019, Feb) Extending the reinforcement-enhancing effects of nicotine to alcohol reinforcement through behavioral economics. 2019 Annual Meeting of the Society for Research on Nicotine & Tobacco, San Francisco, CA.
- Thompson BM*, Emory JR, Kwan DA, Barrett ST, Murray JE, Huynh YW, & Bevins RA (2019, Feb) Nicotine discrimination in rats: Reversal learning and varenicline substitution. 2019 Annual Meeting of the Society for Research on Nicotine & Tobacco, San Francisco, CA.
- Huynh YW*, Moran AE, Boltin A, Wordekemper J, Raimondi A, Schuster C, & Bevins RA (2019, Feb) Investigating menthol as a stimulus for modulatory control of conditioned responding. 2019 Annual Meeting of the Society for Research on Nicotine & Tobacco, San Francisco, CA.
- Moran AE*, Huynh YW, Finkner A, Selleck C, Barrett ST, & Bevins RA (2019, May) Interoceptive drug conditioning: Sex matters in the extent of the discrimination between nicotine and bupropion. 42nd Annual Meeting of the Society for the Quantitative Analyses of Behavior, Chicago, IL.
- Huynh YW*, Moran AE, Raimondi A, Finkner A, & Bevins RA (2019, October) Investigating the tobacco constituent menthol as an interoceptive stimulus or a modulator of the nicotine stimulus in rats. 50th Annual Meeting of the Society for Neuroscience, Chicago, IL.

2020

- Flynn AT*, Barrett ST, Raimondi AT, Finkner AP, Huynh YW, Thompson BM, & Bevins RA (2020, March) Appetitive conditioning with the stimulus effects of nicotine enhances subsequent nicotine self-administration in rats. 2020 Annual Meeting of the Society for Research on Nicotine & Tobacco, New Orleans, LA.
- Huynh YW*, McNealy KR, Raimondi AT, Selleck C, & Bevins RA (2020, March) Menthol as a differential modulator of the nicotine stimulus in male and female rats. 2020 Annual Meeting of the Society for Research on Nicotine & Tobacco, New Orleans, LA.
- Schaal V, Barrett S, Koul S, Kuracha M, Murawski N, Odegaard K, Gowen A, Shahjin F, Bevins RA, Yelamanchili SV, & Pendyala G* (2020, May) R(EV)ealing sex differences with methamphetamine relapse. 2020 International Society of Extracellular Vesicles. Philadelphia, PA.

Moore D, Clark A, Shahjin F, Wu N, Chand S, Odegaard K, Gowen A, Bevins RA, Pendyala G, Fox H, & Yelamanchili SV* (2020, May) Extracellular vesicle associated microRNA-29a elicits microglial activation and synaptodendritic injury with chronic methamphetamine exposure. 2020 International Society of Extracellular Vesicles. Philadelphia, PA.

2021

- McNealy KR*, Houser SD, Barrett ST, & Bevins RA (2021, February) Examination of sex differences and impact of drug exposure order on the reward-enhancing effects of nicotine and d-amphetamine. 2021 Annual Meeting of the Society for Research on Nicotine & Tobacco, Virtual.
- McNealy KR*, Houser SD, Barrett ST, & Bevins RA (2021, March) Sex differences and effects of drug exposure order on the reward-enhancing effects of co-administered nicotine and d-amphetamine. Annual Conference of Behavior, Biology, and Behavior: Translational Research in Addiction, Virtual.
- Habecker P* & Bevins RA (May 11, 2021). Attitudes in 2020 towards medical and recreational marijuana in prohibitionist Nebraska. Annual meeting of the American Association of Public Opinion Research. Virtual.
- Tracy ME*, Barrett ST, Geary T, & Bevins RA (2021, August) Use of the overexpectation effect to reduce conditioned seeking behavior controlled by nicotine. Annual Convention of the American Psychological Association, Virtual.
- Houser SD*, McNealy KR, Barrett ST, & Bevins RA (2021, September) Reward enhancement by the smoking cessation drug varenicline and its interaction with cotinine, the primary metabolite of nicotine. International Conference of Undergraduate Research, Virtual.

2022

- Habecker P*, Herrschaft R, Johnston B, & Bevins RA (2022, May). Assessing population support for aspects of syringe service programs in a rural state. Annual meeting of the American Association of Public Opinion Research. Chicago, IL.
- Sikic A*, Cameron A, Florek B, Frie J, Khokhar J, Bevins RA, & Murray J (2022, May) Non-discrimination between cigarette smoke extract and nicotine in rats. 15th Annual Canadian Association for Neuroscience Meeting. Toronto, Canada.
- Sikic A*, Peart DR, Cameron AR, Karlovcec JM, Williams MA, Florek BW, Frie JA, Khokhar JY, Bevins RA, & Murray JE (2022, October) Cigarette smoke extract and nicotine are not discriminable in a Pavlovian drug discrimination task in rats. 44th Annual Canadian College of Neuropsychopharmacology, Virtual.
- McNealy KR*, Oevermann MW, Knabel ML, Gipson-Reichardt CD, Barrett ST, & Bevins RA (2022, October) Characterizing the effects of contraceptive hormones on responding maintained by a sensory reinforcer in female Sprague-Dawley rats. Mid-American Association for Behavior Analysis. St. Louis, MO.
- Tracy ME*, Auman CS, Chandra SS, Oevermann MW, Barrett ST, & Bevins RA (2022, October) Substitution for morphine by the high potency synthetic opioids fentanyl and sufentanil in a Pavlovian drug discriminated goal tracking task. Mid-American Association for Behavior Analysis. St. Louis, MO.
- Houser SD*, McNealy KR, Barrett ST, & Bevins RA (2022, November) Investigating reward enhancement by cotinine, a nicotine metabolite, alone and co-administered with varenicline. 2022 Symposium on Substance Use Research, Virtual.
- McNealy KR*, Barrett ST, & Bevins RA (2022, November) The role of reward-enhancement in nicotine self-administration by female Sprague-Dawley rats. 2022 Symposium on Substance Use Research, Virtual.
- Knabel ML*, Oevermann MW, McNealy KR, Barrett ST, Pendyala GN, Yelamanchili S, & Bevins, RA (2022, November) Sex differences in chronic methamphetamine use, reinstatement, and Ibudilast treatment in rats. 2022 Symposium on Substance Use Research, Virtual.

2023

- Auman C*, Christensen C, Chandra S, Reinke D, Nair A, Barrett ST, & Bevins RA (2023, May) Caffeine enhances operant responding maintained by a sensory reinforcer. The Society for the Quantitative Analysis of Behavior. Denver, CO.

- Houser SD*, McNealy KR, Barrett ST, & Bevins RA (2023, May) Varenicline but not cotinine increased the value of a visual stimulus reinforcer: No evidence for synergy of the two compounds. The Society for the Quantitative Analysis of Behavior. Denver, CO.
- McNealy KR*, Knabel M, Oevermann M, Barrett ST, & Bevins RA (2023, May) Characterizing the role of reward-enhancement in nicotine self-administration in female Sprague-Dawley rats. The Society for the Quantitative Analysis of Behavior. Denver, CO.
- Smyth S*, Ramirez H, McNealy K, Knabel M, Barrett ST, & Bevins RA (2023, May) The role of nicotine-CS, sucrose US temporal contiguity on the later conditioned reinforcing effects of nicotine. The Society for the Quantitative Analysis of Behavior. Denver, CO.
- Willis-Moore ME*, Callister K, Alden PT, Truscott TT, Bevins RA, Leventhal AM, Benninghoff AD, Gomer A, & Odum AL (2023, May) Nicotine vapor self-administration in rats. The Society for the Quantitative Analysis of Behavior. Denver, CO.
- Sikic A*, Peart DR, Cameron AR, Karlovcec JM, Williams MA, Florek BW, Frie JA, Khohar JY, Bevins RA, & Murray JE (2023, May). Nicotine and cigarette smoke extract are not discriminated in an appetitive Pavlovian task in male and female rats. 16th Canadian Association for Neuroscience Meeting, Montreal, ON.
- McNealy KR*, Barrett ST, & Bevins RA (2023, June) Reward-enhancement as a driver of nicotine self-administration in female Sprague-Dawley rats: Implications for female-specific manipulations. 85th Annual College on Problems of Drug Dependence Scientific Meeting. Denver, CO.

2024

- McNealy KR*, Knabel ML, Smyth S, Reinke D, Brester E, Gipson CD, Barrett ST, & Bevins RA (2024, June) Contraceptive hormone ethinyl estradiol modulates the reward-enhancing but not the primary reinforcing effects of nicotine in ovary-intact female Sprague-Dawley rats. 86th Annual College on Problems of Drug Dependence Scientific Meeting. Montreal, Canada.
- McNealy KR*, Steck KA*, Ramirez H, Flynn A, Knabel ML, Smyth S, Barrett ST, and Bevins RA (2024, September) Amplification of the conditioned reinforcing value of the nicotine stimulus is sensitive to the temporal contiguity between the nicotine CS and sucrose US. Annual Pavlovian Society Meeting. Indianapolis, IN.
- Burrichter R*, Knabel ML*, Smyth S, Kulak M, Policky N, Reinke D, Chada S, Dwinell K, Barrett ST, and Bevins RA. Ketamine serves as a feature positive and feature negative occasion setter in a Pavlovian discriminated goal-tracking task with rats (2024, September) Annual Pavlovian Society Meeting. Indianapolis, IN.
- McNealy KR, Knabel ML, Smyth SM, Reinke D, Brester E, Gipson CD, Barrett ST, Bevins RA (2024, November) Characterizing the influence of contraceptive hormone ethinyl estradiol on the role of primary reinforcement and reinforcer-enhancement in nicotine self-administration. Symposium on Substance Use Research. Virtual.
- Knabel ML, Dwinell K, Policky N, Smyth S, Kulak M, Reinke D, Sears J, Michalak K, Barrett ST, & Bevins RA (2024, November) Schedule-induced polydipsia: Establishing a rat model to study obsessive-compulsive behavior and its comorbidities. Symposium on Substance Use Research. Virtual.
- Burrichter R*, Knabel ML, Smyth S, Kulak M, Policky N, Reinke D, Chada S, Dwinell K, Barrett ST, & Bevins RA. (2024, November) Ketamine serves as a feature positive and feature negative occasion setter in a Pavlovian discriminated goal-tracking task with rats. Symposium on Substance Use Research. Virtual.

UNDERGRADUATE THESES

- Jana Koznarova (1997) Nicotine-induced alteration in environmental familiarization. Undergraduate Thesis: Environmental Studies, University of Nebraska-Lincoln.
- Heather Jensen (1999) Shared neural mechanisms of cocaine and novelty reward: Implications for drug abuse. Honors Thesis: Department of Psychology, University of Nebraska-Lincoln.
- Sarah Eurek (2001) Nicotine-conditioned locomotor hyperactivity sensitive to the interstimulus interval. Honors Thesis: Department of Psychology, University of Nebraska-Lincoln.

- Tara Guretzky (2001) Extinction of a conditioned taste aversion and effect of novel stimuli on the aversion in rats. Honors Thesis: School of Biological Sciences, University of Nebraska-Lincoln.
- Angie Prescher (2006) The psychological and biochemical aspects of alcoholism and its treatment. Honors Thesis: Department of Biochemistry, University of Nebraska-Lincoln.
- Jill Rosno (2007) Nicotine as a conditioned stimulus: Extinction learning in rat models. Honors Thesis: Department of Psychology, University of Nebraska-Lincoln.
- Ayako Masuda (2008) Effects of mecamylamine on nicotine as an occasion setter in a Pavlovian drug discrimination task in rats. Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Nicole Wells (2009) Weakening nicotine-evoked conditioned responding: Assessing transfer of extinction learning with bupropion. Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Andrew Walker (2010) "Training nicotine as a negative feature results in retarded acquisition of a nicotine-evoked conditioned response in an appetitive Pavlovian conditioning task in rats" Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Tra-My Hoang (2011) "Investigating the effects of bupropion on sucrose-response in female rats" Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Amy Steiner (2014) "Pavlovian-to-instrumental transfer with nicotine as an interoceptive stimulus" Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Shelby Lyons (2016) "Isolating predictive variables controlling goal-tracking behavior in a nicotine conditioned stimulus protocol" Honors Thesis: Department of Psychology, Univ. of Nebraska-Lincoln.
- Korinna Romero (2017) "Suppressive and enhancing effects of nicotine on food-seeking behavior" Outside member of Honor Thesis Committee: Department of Psychology, Arizona State University (Advisor: Federico Sanabria).
- Allissa Flynn (2020) "Enhancing the rewarding effects and subsequent self-administration of nicotine through appetitive interoceptive conditioning" Department of Psychology and School of Biological Sciences, Univ. of Nebraska-Lincoln (won the Department's Jensen Undergraduate Research Award).
- Megan Kerns (2022) "Comparison of morphine's and fentanyl's interoceptive effects in rats through occasion setting in a discriminated goal-tracking task. Thesis for Distinction: Department of Psychology, Univ. of Nebraska-Lincoln.
- Sydney Houser (2023) Investigating reward enhancement by cotinine, a nicotine metabolite, alone and co-administered with varenicline. Thesis for Distinction: Department of Psychology, Univ. of Nebraska-Lincoln (won the Department's Jensen Undergraduate Research Award).

MASTER'S DEGREES

- Joyce Besheer (1999) Behavioral and neural properties of novel-object preference in rats. Department of Psychology, University of Nebraska-Lincoln.
- Matthew I. Palmatier (2001) Effect of caffeine pre-exposure on the subsequent unconditioned and conditioned effects of nicotine. Department of Psychology, University of Nebraska-Lincoln.
- Kartpagam K. Karthigeyan (2003) The role of behavioral and noradrenergic processes in a novel-object discrimination task. Department of Psychology, University of Nebraska-Lincoln.
- Jamie L. Wilkinson [Simpson] (2005) An investigation of the behavioral and pharmacological properties of bupropion in rats. Department of Psychology, University of Nebraska-Lincoln.
- Jennifer E. Murray (2006) Nicotine conditional stimulus as a function of stimulus salience: Generalization and antagonism. Department of Psychology, University of Nebraska-Lincoln.
- Amanda M. Struthers [Dion] (2008) Nicotinic acetylcholine receptor antagonism of the conditional stimulus effects of nicotine. Department of Psychology, University of Nebraska-Lincoln.
- Scott T. Barrett (2013) Quantitative assessment of the reward enhancing effects of nicotine. Department of Psychology, University of Nebraska-Lincoln.
- Steven T. Pittenger (2013) Understanding the interoceptive stimulus: Investigating the role of associative processes in the nicotine conditioned stimulus. Department of Psychology, University of Nebraska-Lincoln.

- R. Matthew Adams (2015) Observational learning in the jumping spider *Phidippus audax*. School of Biological Sciences, University of Nebraska-Lincoln.
- Y. Wendy Huynh (2019) Exploring the stimulus effects of menthol. Department of Psychology, University of Nebraska-Lincoln.
- Brady M. Thompson (2020) Reversal learning with the stimulus effects of varenicline. Department of Psychology, University of Nebraska-Lincoln.
- Andrea E. Moran (2020) Understanding the stimulus effects of nicotine and bupropion in a drug-drug discriminated goal-tracking task. Department of Psychology, University of Nebraska-Lincoln.
- Kathleen R. McNealy (2021) Sensory reward enhancement by nicotine and d-amphetamine: Impacts of schedule of reinforcement, sex, and drug exposure order. Department of Psychology, University of Nebraska-Lincoln.

DOCTORAL DEGREES

- Joyce Besheer (2001) The behavioral impact of nicotine withdrawal. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA06092). *Current position:* Professor of Psychiatry and Associate Director of Bowles Center for Alcohol Studies at UNC-Chapel Hill.
- Matthew I. Palmatier (2004) Drug modulators in appetitive Pavlovian conditioning. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA16179). *Current position:* Associate Professor of Psychology at East Tennessee State University.
- Carmela M. Reichel (2008) Competition between conditioned rewards: Novelty vs. cocaine. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA023283) and APA Dissertation Research Award. *Past position:* Assistant Professor of Neuroscience at Medical University of South Carolina. *Current position:* Health Science Administrator at NIDA (Clinical Research Grants Branch).
- Jennifer E. Murray (2009) Cue competition involving the interoceptive stimulus effects of nicotine. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* National Research Service Award (F31-DA025399), Psi Chi Research Grant, & APA Dissertation Research Award. *Current position:* Associate Professor, University of Guelph.
- Jamie L. Wilkinson [Simpson] (2010) Role of affective associations in smoking and smoking cessation. Department of Psychology, University of Nebraska-Lincoln. *Supported in part by:* University of Nebraska Presidential Fellowship. *Current position:* Chief Academic Officer, Midland University.
- Scott T. Barrett (2014) Quantitative analysis of the value-enhancing effects of nicotine, bupropion, and varenicline in male and female rats. Department of Psychology, University of Nebraska-Lincoln. *Current position:* Research Assistant Professor, UNL.
- Sergey Charntikov (2015) Double dissociation of the anterior and posterior dorsomedial caudate-putamen in the acquisition and expression of associative learning with the nicotine stimulus. *Supported in part by:* National Research Service Award (F31-DA034449). *Current position:* Associate Professor, University of New Hampshire.
- Steven T. Pittenger (2016) Examination of methamphetamine reinstatement in female and male rats: A preclinical model of relapse. Department of Psychology, University of Nebraska-Lincoln. *Awarded:* Outstanding Graduate Student Research Mentor. Post-doctoral Scholar, Yale University (Marina Picciotto) *Current position:* Program Director, Office of Drug Development Partnership Programs, National Center for Advancing Translational Sciences, NIH.
- Kathleen R. McNealy (expected 2025) Contraceptive hormone impacts on the primary reinforcing and reward-enhancing effects of nicotine. *Awarded:* Outstanding Graduate Student Research Mentor. *Supported in part by:* NIH Dissertation Grant (R36-DA059867).

OTHER TRAINEES (Post-Ph.D.)

- Robert Polewan (Post-doc, 2009-2011) *Current position:* Associate Professor, Psychology Department, Curry College, Milton, MA.

Cindy Pudiak (Research Assistant Professor, 2013-2014) *Current position:* Medical Writer, Parexel, New York.

Adriana Falco (Post-doc, 2013-2015) *Current position:* Associate Professor, Department of Social Science, Concord University, Athens, WV.

Scott Barrett (Post-doc, 2014-2019; Research Assistant Professor, 2019-present)

Jennifer Murray (Research Assistant Professor, 2016-2017) *Current position:* Associate Professor, University of Guelph.

Nathen Murawski (Post-doc, 2019-2020) *Current position:* Assistant Professor, Psychology Department, Butte College, Oroville, CA.

Mathew Tracy (Post-doc, 2020-2023) *Current position:* Self employed, Kansas City, MO

COURSES TAUGHT (UNL)

Behavioral Neuroscience (Psyc 465/865; BioSci 419/819)

Learning & Motivation (Psyc 268)

Learning Processes (Psyc 461/861)

Psychoneuropharmacology (Psyc 464)

Seminar in Physiological Psychology (Psyc 904)

[Spring 2016 YouTube® Channel](#) If you are going to watch only one, I recommend this [one](#)

Seminar in Learning (Psyc 924)

Professional Development & Ethics (Psyc 971/2)

CURRENT PROFESSIONAL MEMBERSHIPS

American Association for the Advancement of Science (AAAS)
Fellow (Neuroscience of Addiction)

American Psychological Association
Division 3 – Experimental Psychology and Cognitive Science
Division 6 – Behavioral Neuroscience and Comparative Psychology (Fellow)
Division 25 – Behavior Analysis (Fellow)
Division 28 – Psychopharmacology and Substance Use (Fellow)

Association for Women in Science

Behavioral Pharmacology Society

Midwestern Psychological Association (Fellow)

National Organization of Research Development Professionals

Pavlovian Society

Society of the Quantitative Analysis of Behavior

Society for Neuroscience

Society for Research on Nicotine and Tobacco (Fellow)