

Curriculum Vitae

Nicholas W. Simon Ph.D.

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Education

- 2004- 10 Ph.D., Department of Psychology/Behavioral and Cellular Neuroscience, Texas A&M University; January 2010
- 2002- 04 M.S., Department of Experimental Psychology, Western Illinois University; December 2004
- 1996- 00 B.A., Major: Biology, Minor: Psychology, Carthage College; June 2000

Professional Research Experience

- 2016-current Assistant Professor, University of Memphis, Department of Psychology
Start date: August 2016
- 2015-2016 Research Assistant Professor, University of Pittsburgh, Department of Neuroscience
Start date: January 2015
- 2010- 15 Post-Doctoral Fellow, University of Pittsburgh, Department of Neuroscience – Laboratory of Dr. Bita Moghaddam
Start date: January 2010
- 2004- 10 Graduate Research Assistant, Texas A&M Psychology Department – Laboratory of Dr. Barry Setlow
Start date: August 2004
- 2002- 04 Graduate Research Assistant, Western Illinois University
Start date: January 2002
- 2000 Undergraduate Research Fellow, Carthage College

Grants / Funding

Current Funding:

- 2019-22 Principle Investigator. "Identifying the Neurophysiological basis of risky decision-making."
NIDA R15. Total costs: \$395,791.
- 2019-2021 Principle Investigator. "A novel assessment of addiction-relevant punishment based impulsivity in adolescents."
NIDA Loan Repayment Program (LRP) Grant. Total costs: \$60,792.

2018-20 Pilot Project Award. "Comorbidity between impulsivity and voluntary oral oxycodone intake across multiple inbred rat strains." Awarded as subcontract of Pilot Research Project Core NIDA Center of Excellence in Transcriptomics, System Genetics, and the Addictome (Rob Williams, PI). National Institute of Drug Abuse (5P30DA044223). Total costs: \$40,000.

Previous Funding:

2017-19 Principle Investigator. "Dissecting the neural circuitry of motivation symptoms related to mood disorders." Brain and Behavior Research Foundation Young Investigator Grant. Total costs: \$70,000.

2017-18 Principle Investigator. "Modeling addiction vulnerability with a rat decision-making task." University of Memphis College of Arts and Sciences Faculty Research Grant; Total costs: \$10,000.

2014-16 Pilot Project Award. "Neuronal correlates of nicotine reduction in a rodent model of extended nicotine exposure." Awarded as subcontract of Evaluating New Nicotine Standards for Cigarettes – Administrative Core (Eric Donny, PI). National Institute of Drug Abuse. Total costs: \$50,000.

2013-15 Principle Investigator. "Neural Processing in Behaving Adolescent Rodents." Ruth L. Kirschstein Postdoctoral Fellowship, NIDA. Total Costs: \$87,179.

2011-13 Research Fellow, "Training program in the neurobiology of substance use and abuse." University of Pittsburgh/NIDA training grant, T32DA03111. Total Costs: \$91,780.

2008-10 Principle Investigator. "Long-term cocaine effects on impulsive choice and orbitofrontal cortex activity." F31 Ruth L. Kirschstein Predoctoral NRSA, NIDA. Total Costs: \$58,816.

Honors and Awards

2019 Early Career Research Award, University of Memphis

2017 College of Arts and Sciences Travel Enrichment Award, University of Memphis

2014 Schizophrenia International Schizophrenia Research Society (SIRS) Post Doctorate Travel Award

2013 American College of Neuropsychopharmacology (ACNP) Early Career Travel Award

2011 College for Problems in Drug Dependence (CPDD) Early Career Investigator Award

2010 Association of Former Students at Texas A&M University Distinguished Graduate Student Award for Excellence in Research

2009 Texas A&M Chapter Society for Neuroscience (SFN) Poster Competition, Second place

2009 International Society of Research on Impulsivity and Impulse Control Disorders (ISRI) Travel Award

2008 SFN Chapters Graduate Student Travel Award

2008 Selected to participate in National Institute of Drug Abuse (NIDA) Early Career Investigators Session by American Psychology Association (APA)

2008 Travel Award, Division of Basic Neuroscience and Behavioral Research at NIDA

2007 Travel Fellowship, New York Academy of Sciences

2006 Poster Award for Excellence in Presentation and Scientific Content, *Eighth Conference on the Neurobiology of Learning and Memory*, University of California, Irvine

- 2005 Office of Graduate Studies Travel Award, Texas A&M University
- 2004 Department of Psychology Travel Award, Western Illinois University
- 2000 Summer Undergraduate Research Experience (SURE) Fellow, Carthage College

Peer-Reviewed Publications

* denotes graduate student mentee of Dr. Simon

1. Freels, T.G.*, Gabriel, D.B.K.*, Lester, D.B., & Simon, N.W. (in revision). Risky decision-making predicts dopamine release dynamics in nucleus accumbens shell. *Biorxiv preprint available at: <https://doi.org/10.1101/572263>*.
2. Vongphrachanh, A.L.*, Gabriel, D.B.K.*, Sable, H.J., & Simon, N.W. (2019). Sex differences and effects on predictive cues on delayed punishment discounting. *ENeuro*, 6, 0225-19.
3. Chowdhury, T.G., Wallin-Miller, K.G., Rear, A.A., Park, J., Diaz, V., Simon, N.W., & Moghaddam, B. (in press). Sex differences in reward- and punishment-guided actions. *Cognitive, Affective, and Behavioral Neuroscience*.
4. Orsini, C.A., Blaes, S.L., Setlow, B., & Simon, N.W. (2019). Recent updates in modeling risky decision-making in rodents. *Methods of Molecular Biology*, 79-92.
5. Gabriel, D.B.K.*, Freels, T.G.*, Setlow, B., & Simon, N.W. (2019). Risky decision-making is associated with impulsive action and sensitivity to first-time nicotine exposure. *Behavioural Brain Research*, 359, 578-88.
6. Wood, J., Simon, N.W., Koerner, S., Kass, R.E., & Moghaddam, B. (2017). Networks of VTA neurons encode real-time information about uncertain numbers of actions executed to earn a reward. *Frontiers in Behavioral Neuroscience*, 11:140.
7. Bueno Junior, L.S., Simon, N.W., Wegener, M.A., & Moghaddam, B. (2017). Repeated nicotine strengthens gamma oscillations in the prefrontal cortex and improves visual attention. *Neuropsychopharmacology*, 42, 1590-98.
8. Simon, N.W. & Moghaddam, B. (2017). Methylphenidate has nonlinear dose effects on cued response inhibition in adults but not adolescents. *Brain Research*, 1654, 171-176.
9. Kim, Y.B., Simon, N.W., Wood, J., & Moghaddam, B. (2016). Reward anticipation is encoded differently by adolescent VTA neurons. *Biological Psychiatry*, 79, 878-886.
10. Simon, N.W., Wood, J., & Moghaddam, B. (2015). Action-outcome relationships are represented differently by medial prefrontal and orbitofrontal cortex neurons during action execution. *Journal of Neurophysiology*, 114, 3374-85.
11. Simon, N.W. & Moghaddam, B. (2015). Reward processing in adolescent rodents. *Developmental Cognitive Neuroscience*, 11, 145-54.
12. Simon, N.W., Gregory, T.A., Wood, J., & Moghaddam, B. (2013). Differences in response initiation and behavioral flexibility between adolescent and adult rats. *Behavioral Neuroscience*, 127, 23-32.
13. Simon, N.W., Beas, B.S., Montgomery, K.S., Gilbert, R.J., Haberman, R.P., Bizon, J.L., & Setlow, B. (2013). Prefrontal cortical-striatal dopamine receptor mRNA predicts distinct forms of impulsivity. *European Journal of Neuroscience*, 37, 1779-88.
14. Simon, N.W. & Setlow, B. (2012). Modeling risky decision-making in rodents. *Methods of Molecular Biology*, 829, 165-75.
15. Gilbert, R.J., Mitchell, M.R., Simon, N.W., Banuelos, C., Setlow, B., & Bizon, J.L. (2011). Risk, reward, and decision-making in a rodent model of cognitive aging. *Frontiers in Decision Neuroscience*, 5, 144.

16. Simon, N.W., Montgomery, K.S., Beas, B.S., Mitchell, M.R., LaSarge, C.L., Mendez, I.A., Bañuelos, C., Vokes, C.M., Taylor, A.B., Haberman, R.P., Bizon, J.L., & Setlow, B. (2011). Dopaminergic modulation of risky decision-making. *The Journal of Neuroscience*, *31*, 17460-70.
17. Mitchell M.R., Vokes, C.M., Blankenship, A.L., Simon, N.W., Setlow, B. (2011). Effects of acute administration of nicotine, amphetamine, diazepam, morphine, and ethanol on risky decision-making in rats. *Psychopharmacology*, *218*, 703-12.
18. Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R., Wellman, P.J., & Setlow, B. (2010). Self-administered cocaine causes lasting increases in impulsive choice in a delay-discounting task. *Behavioral Neuroscience*, *124*, 470-7.
19. Simon, N.W., LaSarge, C.L., Williams, M.T., Montgomery, K.S., Mendez, I.A., Setlow, B., & Bizon, J.L. (2010). Good things come to those who wait: Impulsive choice is attenuated in aged Fischer 344 rats. *Neurobiology of Aging*, *31*, 853-62.
20. Setlow, B., Mendez, I.A., Mitchell, M.R., & Simon, N.W. (2009). The effects of chronic administration of drugs of abuse on discounting of delayed rewards (impulsive choice) in animal models. *Behavioural Pharmacology*, *20*, 380-389.
21. Simon, N.W., Gilbert, R.J., Mayse, J.D., & Setlow, B. (2009). Balancing risk and reward: A rat model of risky decision-making. *Neuropsychopharmacology*, *34*, 2208-2217.
22. Simon, N.W., Mendez, I.A., & Setlow, B. (2009). Prior amphetamine exposure alters approach strategy during Pavlovian conditioning. *Psychopharmacology*, *202*, 699-709.
23. Mendez, I.A., Montgomery, K.S., LaSarge, C.L., Simon, N.W., Bizon, J.L., & Setlow, B. (2008). Long-term deficits in spatial learning produced by cocaine exposure. *Neurobiology of Learning and Memory*, *89*, 185-191.
24. Simon, N.W., Mendez, I.A., & Setlow, B. (2007). Cocaine exposure causes long-term increases in impulsive choice behavior. *Behavioral Neuroscience*, *121*, 543-549.
25. Simon, N.W. & Setlow, B. (2006). Post-training amphetamine enhances memory consolidation in appetitive Pavlovian conditioning: Implications for drug addiction. *Neurobiology of Learning and Memory*, *86*, 305-310.

Conference Rapporteur Publications

1. Abatomi, O... Simon, N., et al. (2014). The 4th Schizophrenia International Research Society Conference, 5-9 April 2014, Florence Italy: A summary of topics and trends. *Schizophrenia Research*, *159*, e1-22.

Invited Scientific Presentations

1. Simon, N.W. (2019). "Techniques for Measuring Functional Brain Activity". University of Texas El Paso, Research Techniques Seminar. El Paso, TX.
2. Simon, N.W. (2019). "Modeling Risky Decision-making in Rats: Implications for Addiction". University of Mississippi Medical Center, Neuroscience Seminar Series. Jackson, MS.
3. Simon, N.W. (2019). "Modeling Risky Decision-making in Rats: Implications for Addiction." University of Tennessee Health Science Center, Genetics, Genomics and Informatics Seminar Series. Memphis, TN.
4. Simon, N.W. (2019). "Modeling Risky Decision-making in Rats: Implications for Addiction." University of Memphis, Biomedical Engineering Spring Seminar Series. Memphis, TN.
5. Simon, N.W. (2018). "Modeling Risky Decision-making in Rats: Implications for Addiction." University of Southern Mississippi, Psychology Department Seminar Series. Hattiesburg, MS.

6. Simon, N.W. (2017). "Modeling Risky Decision-making in Rats: Implications for Addiction." University of Tennessee Health Science Center, Neuroscience Institute Seminar Series. Memphis, TN.
7. Simon, N.W. (2015). "Neural Circuitry of Risk and Reward." University of New Hampshire, Department of Psychology. Manchester, NH.
8. Simon, N.W. (2011). "Dopamine Regulation of Risky Decision-making." Western Illinois University, Department of Psychology Symposium Series. Macomb, IL.
9. Simon, N.W. (2009). "A rat model of risky decision-making." Texas A&M University and Health Science Center Neuroscience Symposium. College Station, TX.

Refereed Conference Presentations

* denotes graduate or undergraduate student mentee of Dr. Simon

1. Gabriel, D.B.K.*, Liley, A.E.*, Caughron, W.B.*, & Simon, N.W. (2019). Optimization of a risky decision-making task for electrophysiology in male and female rats. *Society for Neuroscience, Chicago, IL.*
2. Liley, A.E.*, Gabriel, D.B.K.*, Udell, M.E.*, Sable, H.J., & Simon, N.W. (2019). Sex differences in the discounting of delayed punishment. *Society for Neuroscience, Chicago, IL.*
3. Vongphrachanh, A.L.*, Gabriel, D.B.K.*, & Simon, N.W. (2019). Sex differences in the assessment of delayed consequences during decision-making. *University of Memphis Student Research Forum, Memphis, TN. Awarded 2nd place for graduate poster competition.*
4. Gabriel, D.B.K.*, Vongphrachanh, A.L.*, & Simon, N.W. (2019). Dopaminergic influences on a novel economic conflict task. *University of Memphis Student Research Forum, Memphis, TN.*
5. Vongphrachanh*, A.L., Gabriel, D.B.K.*, Udell, M.*, & Simon, N.W. (2019). Delay discounting of punishment during economic decision-making in rats. *Behavior, Biology & Chemistry: Translational Research in Addiction, San Antonio, TX.*
6. Gabriel, D.B.K.*, Vongphrachanh, A.L.*, Caughron, W.B.*, & Simon, N.W. (2019). Risky decision-making predicts dopamine release dynamics in nucleus accumbens. *Behavior, Biology & Chemistry: Translational Research in Addiction, San Antonio, TX.*
7. Franks, H.*, Gabriel, D.B.K.*, Vongphrachanh, A.L.*, Chen, H., & Simon, N.W. (2019). Genetic Influences on Distinct Forms of Impulsivity and Cocaine Sensitivity. *Behavior, Biology & Chemistry: Translational Research in Addiction, San Antonio, TX.*
8. Gabriel, D.B.K.*, Vongphrachanh, A.L.*, & Simon, N.W. (2018). Dopaminergic influences on a novel task measuring preference for probabilistic vs. effortful reward in rats. *Society for Neuroscience, San Diego, CA.*
9. Vongphrachanh, A.L.*, Gabriel, D.B.K.*, Simon, N.W. (2018). Delay discounting of punishment during economic decision-making. *Society for Neuroscience, San Diego, CA.*
10. Woods, A.C.*, Freels, T.G.*, Gabriel, D.B.K.*, Joyner, H.*, Morrison, S.*, Lester, D.B., & Simon, N.W. (2018). Risky decision-making predicts dopamine release dynamics in nucleus accumbens. *Society for Neuroscience, San Diego, CA.*
11. Franks, H.*, Gabriel, D.B.K.*, Vongphrachanh, A.L.*, Demato, R.*, Grill, L.*, Lyons, B.*, McClarnon, K.*, Williams, T.*, Chen, H., & Simon, N.W. (2018). Genetic Influences on Distinct Forms of Impulsivity and Cocaine Sensitivity. *Society for Neuroscience, San Diego, CA.*
12. Joyner, H.* & Simon, N.W. (2018). The effects of the psychoactive compounds in green tea on risky decision-making. *Works in Progress Symposium, Memphis, TN.*

13. Altareb, S.* & Simon, N.W. (2018). Does Cocaine Reward Have a Genetic Component? *Works in Progress Symposium, Memphis, TN.*
14. Franks, H.* & Simon, N.W. (2018). The effects of environment in adolescence on risky decision-making. *Works in Progress Symposium, Memphis, TN.*
15. Gabriel, D.B.K.*, Vongphrachanh, A.L.*, & Simon, N.W. (2018). Genetic Influences on Distinct Forms of Impulsivity and Cocaine Sensitivity. *University of Memphis Student Research Forum. Awarded 2nd place for graduate student poster competition.*
16. Simon, N.W., Gabriel, D.B.K.*, Freels, T.G.*, & Lester, D.B. (2017). Risky decision-making predicts behavioral and dopaminergic phenotypes associated with addiction vulnerability. *American College of Neuropsychopharmacology, Palm Springs, CA*
17. Gabriel, D.B.K.*, Freels, T.G.*, & Simon, N.W. (2017). Individual differences in risky decision-making predict nicotine sensitivity and other addiction-relevant behaviors. *Society for Neuroscience, Washington DC.*
18. Freels, T.G.*, Gabriel, D.B.K.*, & Simon, N.W. (2017). The effects of enhanced cannabinoid signaling on risky decision-making in rodents. *Society for Neuroscience, Washington DC.*
19. Freels, T.G.*, Gabriel, D.B.K.*, Brooks, M.*, Rasheed, A.*, Woods, A.*, Simon, N.W. (2017) Modeling Addiction in Rats Using Measures of Risky Decision Making and Impulsivity. *University of Memphis Student Research Forum, Memphis, TN.*
20. Morrison, S.*, Starnes, A.*, Freels, T.G.*, & Simon, N.W. (2017). The Effects of Arachidonoyl Serotonin on anxiety-like behavior and decision-making. *National Conference on Undergraduate Research, Memphis, TN.*
21. Chism, T.*, Joyner, H.*, Gabriel, D.B.K.*, & Simon, N.W. (2017). Characterizing a rat model of risky decision-making (2017). *National Conference on Undergraduate Research, Memphis, TN.*
22. Sharma, S. & Simon, N.W. (2017). Modeling addiction vulnerability with a rat risky decision-making task. *College Research Experience for Students from High School (CRESH) Poster Session, Memphis, TN. Awarded 2nd place for student poster competition.*
23. Simon, N.W. & Moghaddam, B (2016). Nicotine disengages orbitofrontal cortex during Pavlovian conditioning. *American College of Neuropsychopharmacology, Hollywood, FL.*
24. Simon, N.W., & Moghaddam, B (2016). Nicotine disengages orbitofrontal cortex during Pavlovian conditioning. *Society for Neuroscience, San Diego, CA.*
25. Chowdhury, T.G., Simon, N.W., Dutta, R., & Moghaddam, B. (2016). Sex differences in behavior and neurophysiology during reward approach and punishment avoidance. *Society for Neuroscience, San Diego, CA.*
26. Orsini, C.A., Simon, N.W., Febo, M., Bizon, J.L., & Setlow, B. (2015). Neural activity in the basolateral amygdala in a risky decision-making task in rats. *American College of Neuropsychopharmacology, Scottsdale, AZ.*
27. Simon, N.W., Bueno Jr., L.S., Wegener, M.A., & Moghaddam, B. (2015). Nicotine causes parallel increases in medial prefrontal cortex gamma oscillations and visual attention. *American College of Neuropsychopharmacology, Scottsdale, AZ.*
28. Simon, N.W., Patterson, C.P., & Moghaddam, B. (2015). Chronic nicotine exposure alters approach strategy in rats. *Society for Neuroscience, Chicago, IL.*
29. Chowdhury, T.G., Simon, N.W., Dutta, R., Wood, J., & Moghaddam, B. (2015). Sex differences measured using a novel paradigm to assess approach and avoidance behaviors. *Society for Neuroscience, Chicago, IL.*

30. Wood, J., Simon, N.W., Koerner, S., Kass, R.E., & Moghaddam, B. (2015). Collective activity of ventral tegmental area neurons encodes information about ongoing outcomes. *Society for Neuroscience, Chicago, IL.*
31. Bueno Jr., L.S., Simon, N.W., Wegener, M.A., & Moghaddam, B. (2015). Nicotine exposure causes parallel increases in prefrontal cortex gamma oscillations and visual attention. *Society for Neuroscience, Chicago, IL.*
32. Simon, N.W. & Moghaddam, B. (2014). Reward sensitivity in adolescence and other unexpected properties of the dorsal striatum. **Mini-panel: "Is the Associative Striatum a Locus of Vulnerability for Transition to psychosis?"** *American College of Neuropsychopharmacology, Hollywood, FL.*
33. Simon, N.W., Wood, J., Kim, Y., & Moghaddam, B. (2014). Adolescent ventral tegmental area neurons maintain cue-evoked responding after extinction: A mechanism for adolescent behavioral flexibility? **Nanosymposium: Human reinforcement learning: development and aging.** *Society for Neuroscience, Washington DC.*
34. Wood, J., Simon, N.W., Koerner, S., Kass, R.E., & Moghaddam, B. (2014). New insight into how ventral tegmental area neurons encode information about sequences of actions. *Society for Neuroscience, Washington DC.*
35. Simon, N.W., Wood, J., Kim, Y., & Moghaddam, B. (2014). Unique encoding of reward-related learning and extinction by adolescent ventral tegmental area neurons. *University of Pittsburgh Post-Doctoral Fellows Data and Dine, Pittsburgh, PA.*
36. Simon, N.W., Kim, Y., Wood, J., & Moghaddam, B. (2014). Reward processing in adolescent ventral tegmental area. *Schizophrenia International Research Society, Florence, Italy.*
37. Simon, N.W. & Moghaddam, B. (2014). Reward processing in adolescent rodents. **Symposium: Reward processing, cognition, and perception during adolescent brain development and vulnerability to psychosis.** *Schizophrenia International Research Society Conference, Florence, Italy.*
38. Simon, N.W., Kim, Y., Wood, J., & Moghaddam, B. (2013). Adolescent Ventral Tegmental Area Neurons Maintain Cue Evoked Responding After Extinction: A Mechanism for Adolescent Behavioral Flexibility? *American College of Neuropsychopharmacology, Hollywood, FL.*
39. Wood, J., Simon, N.W., Koerner, F.S., Kass, R.E., & Moghaddam, B (2013). New insight into how ventral tegmental area neurons encode action sequence and outcome associations. *American College of Neuropsychopharmacology, Hollywood, FL.*
40. Simon, N.W., Wood, J., & Moghaddam, B. (2013). Theta oscillations in rat prefrontal cortex are modulated by actions and outcomes. *Society for Neuroscience, San Diego, CA.*
41. Wood, J., Simon, N.W., & Moghaddam, B. (2013). Ventral tegmental area neurons encode information about multi-action sequences and contingency. *Society for Neuroscience, San Diego, CA.*
42. Bueno, L.S., Kim, Y., Wood, J., Simon, N.W., & Moghaddam, B. (2013). Impact of repeated nicotine exposure on prefrontal cortical firing and local field potentials in behaving rats. *Society for Neuroscience, San Diego, CA.*
43. Park, J., Wood, J., Kim, Y., Simon, N.W., & Moghaddam, B. (2013). An operant rodent task for measuring anxiety-based modulated of a goal-directed behavior. *Society for Neuroscience, San Diego, CA.*
44. Simon, N.W., Gregory, T.A., Wood, J., & Moghaddam, B. (2013). Differences between adolescent and adult rats in behavior and sensitivity to methylphenidate during a response inhibition task. *FLUX Society for Adolescent Research, Pittsburgh, PA.*

45. Simon, N.W., Wood, J., & Moghaddam, B. (2012). Prelimbic and orbitofrontal cortex encoding of behavior. *Society for Neuroscience, New Orleans, LA*.
46. Gregory, T.A., Simon, N.W., & Moghaddam, B. (2012). Differences between adolescent and adult rats in behavior and sensitivity to methylphenidate during a response inhibition task. *Society for Neuroscience, New Orleans, LA*.
47. Wood, J., Simon, N.W., & Moghaddam, B. (2012). VTA and prefrontal cortex neuronal correlates of contingency degradation. *Society for Neuroscience, New Orleans, LA*.
48. Simon, N.W., Wood, J.T., & Moghaddam, B. (2011). Prefrontal cortical activity reflects shifts in action-outcome value. *Society for Neuroscience, Washington DC*.
49. Gilbert, R.J., Mitchell, M.R., Simon, N.W., Banuelos C., Beas, B.S., Setlow, B., & Bizon, J.L. (2011). Probabilistic decision-making in aged Fischer 344 rats. *Society for Neuroscience, Washington DC*.
50. Simon, N.W., Montgomery, K.S., Beas, B.S., Mitchell, M.R., Haberman, R.P., Bizon, J.L., & Setlow B (2011). Dopaminergic regulation of risky decision-making. *College for Problems in Drug Dependence Abstracts, Hollywood, FL*.
51. Simon, N.W., Wood, J., & Moghaddam, B. (2011). Prefrontal cortex activity reflects shifts in action-outcome contingencies. *University of Pittsburgh Post-Doctoral Fellows Data and Dine, Pittsburgh, PA*.
52. Setlow, B., Simon, N.W., Beas, B.S., Haberman, R.P., & Bizon, J.L. (2010). Dopaminergic regulation of risky decision-making. *American College of Neuropsychopharmacology, Hollywood, FL*.
53. Simon, N.W., Montgomery, K.S., Beas, B.S., LaSarge, C.L., Haberman, R.P., Bizon, J.L., & Setlow, B. (2010). Dopamine receptor modulation of risky decision-making. *Society for Neuroscience, San Diego, CA*, **Selected for F1000 Research Posters**.
54. Setlow, B., Simon, N.W., Beas, B.S., Montgomery, K.S., Gilbert, R.J., Haberman, R.P., & Bizon, J.L. (2010). D2 dopamine receptor expression predicts distinct forms of impulsivity in rats. *Society for Neuroscience, Society for Neuroscience, San Diego, CA*, **Selected for F1000 Posters**.
55. Mitchell, M.R., Vokes, C.M., Blankenship, A.L., Simon, N.W., & Setlow, B. (2010). Acute administration of drugs of abuse modulates risky decision-making. *Society for Neuroscience, San Diego, CA*.
56. Gilbert, R., Simon, N.W., & Setlow, B. (2009). A rat model of risky decision-making. *Texas A&M University and Health Science Center Neuroscience Symposium, College Station, TX*. **Awarded first place for undergraduate poster competition**.
57. Simon, N.W., LaSarge, C.L., Mayse, J.D., Mendez, I.A., Taylor, A.B., Bizon, J.L., & Setlow, B. (2009). Analysis of individual variability in rat models of decision making. *Society for Neuroscience, Chicago, IL*.
58. Mitchell, M.R., Mendez, I.A., Simon, N.W., Hart, N., Nation, J.R., Wellman, P.J., & Setlow, B. (2009). Self-administered cocaine causes lasting increases in impulsive choice in a delay discounting task. *Society for Neuroscience, Chicago, IL*.
59. Bañuelos, C., Montgomery, K.S., Gilbert, R.J., Simon, N.W., Bizon, J.L., Fincher, A.S., Wang, H., Frye, G.D. (2009). Spatial learning impairments in a human third trimester model of binge alcohol exposure. *Society for Neuroscience, Chicago, IL*.
60. Gilbert, R.J., Mitchell, M.R., Simon, N.W., Setlow, B., Bizon J.L. (2009). Probabilistic decision-making in aged F344 rats. *Society for Neuroscience, Chicago, IL*.
61. Simon N.W. & Setlow, B. (2009). Dopaminergic modulation of risky decision-making. *Texas A&M Chapter in Neuroscience, College Station, TX*. **Awarded second place in graduate student poster competition**.

62. Setlow, B., Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R., & Wellman, P.J. (2009). Self-administered cocaine causes lasting increases in impulsive choice in a delay discounting task. *College for Problems in Drug Dependence, Reno, NV.*
63. Simon, N.W., Mendez, I.A., Bizon, J.L., & Setlow, B. (2009). A rat model of risky decision-making. *College for Problems in Drug Dependence, Reno, NV.*
64. Setlow, B., Mendez, I.A., Simon, N.W., Hart, N., Mitchell, M.R., Nation, J.R., & Wellman, P.J. (2009). Self-administered cocaine causes lasting increases in impulsive choice in a delay discounting task. *International Society for Research on Impulsivity Scientific Meeting, San Diego, CA.*
65. Simon, N.W., Mendez, I.A., Bizon, J.L., & Setlow, B. (2009). A rat model of risky decision-making. *International Society for Research on Impulsivity Scientific Meeting, San Diego, CA.*
66. Mitchell, M.R., Simon, N.W., Setlow, B., & Bizon, J.L. (2009). Impaired probabilistic decision-making in aging. *International Society for Research on Impulsivity Scientific Meeting, San Diego, CA.*
67. Simon, N.W., Gilbert, R.J., Mayse, J.D., & Setlow, B. (2008). A rat model of risky decision-making: the role of dopamine in balancing risk and reward. *Society for Neuroscience, Washington DC.*
68. Setlow, B., Simon, N.W., & Mendez, I.A. (2008). A rat model of risky decision-making: implications for addiction. *Society for Neuroscience, Washington DC.*
69. Simon, N.W., Gilbert, R.J., Mayse, J.D., Crain, B., Setlow, B. (2008). A rat model of risky decision-making: the role of dopamine in balancing risk and reward. *NIDA Early Career Poster Session, American Psychology Association, Boston, MA.*
70. Simon, N.W., LaSarge, C.L., Williams, M.T., Montgomery, K.S., Mendez, I.A., Setlow, B., & Bizon, J.L. (2008). Impulsive choice is attenuated with age in Fischer 344 rats. *FENS abstract vol. 4 015 27.*
71. Simon, N.W., Busch, T.B., Richardson, A.J., Walls, K.J., & Setlow, B. (2007). Cocaine exposure and impulsive choice: a parametric analysis. *Society for Neuroscience, San Diego, CA.*
72. Setlow, B. & Simon, N.W. (2007). Prior amphetamine exposure alters approach strategy during Pavlovian conditioning. *Society for Neuroscience, San Diego, CA.*
73. Bizon, J.L., Simon, N.W., LaSarge, C.L., Williams, M.T., Montgomery, K.A., Setlow, B. (2007). Impulsive choice is attenuated with age in Fischer 344 rats. *Society for Neuroscience, San Diego, CA.*
74. Simon, N.W., Busch, T.B., Richardson, A.J., Walls, K.J., & Setlow, B. (2007). Cocaine exposure and impulsive choice: a parametric analysis. *Pavlovian Society, Austin, TX.*
75. Williams, M.T., Simon, N.W., Setlow, B. (2007). Prior amphetamine exposure alters approach strategy during Pavlovian conditioning. *Pavlovian Society, Austin, TX.*
76. Setlow, B., Simon, N.W., LaSarge, C.L., Williams, M.T., Montgomery, K.S., Mendez, I.A., & Bizon, J.L. (2007). Impulsive choice is attenuated with age in Fischer 344 rats. *Pavlovian Society, Austin, TX.*
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