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EDUCATION AND PROFESSIONAL HISTORY

Education

The University of Iowa, 1999-2001, Psychology, Ph.D., May, 2001.
The University of Iowa, 1996-1999, Psychology, M.A., May, 1999.
The University of Iowa, 1991-1995, Psychology, B.S., August, 1995.

Professional Experience

Research Scientist, The University of Iowa, 2014-present.
Research Specialist, The University of Iowa, 2012-2014.
Adjunct Assistant Professor, The University of Iowa, 2012-present.
Research Associate (Assistant Professor), The University of Chicago, 2007-2011.
Research Associate, Indiana University, 2001-2006.
Research Assistant, The University of Iowa, 1995-2001.

Awards, Honors, and Special Recognition

Certificate of Completion, "Entering Mentoring: A Seminar to Train a New Generation of Scientists", HHMI and NSF, Iowa Biosciences Advantage, Summer 2014.
Dissertation Award, International Society for Developmental Psychobiology (ISDP), Fall 2001.
Sandra G. Wiener Travel Award, ISDP, Summer 1998; Fall 2000.
Spence Award, Department of Psychology, University of Iowa, Spring 2000.
Lewis Award, Department of Psychology, University of Iowa, Spring 2000.

Teaching Experience

Adjunct Assistant Professor, Biopsychology, The University of Iowa, Fall 2012.
Instructor, Psychology of Motivation, Indiana University, Fall 2003.
Instructor, Developmental Psychology, Indiana University, Fall 2002.
Instructor, Biopsychology, Cornell College, Block 3, Fall 2000.
Graduate Student Instructor, Biopsychology of Motivated Behaviors, The University of Iowa, Spring 2000.
Teaching Assistant, Psychology of Prenatal Development, The University of Iowa, Spring 2000.
Teaching Assistant, General Psychology, The University of Iowa, Fall 1998; Spring 1999; Fall 1999.

Professional Organizations

Member, ISDP
Member, Sleep Research Society
Member, Society for Neuroscience (SFN)
Affiliate Member, The DeLTA Center

Professional Service

Behavioral Neuroscience representative, APA Science Student Council (APASSC), 1999-2001.
Chair, APA Science Student Council (APASSC), 2000-2001.
Ad hoc Reviewer: *American Journal of Primatology*; *Behavioral Genetics*; *Behavioral Neuroscience*; *Brain Pathology*; *Developmental Psychobiology*; *Genes, Brain & Behavior*; *Journal of Thermal Biology*; *Physiology & Behavior*; *PLoS One*.

PUBLICATIONS

Journals

1. Mukherjee D, **Sokoloff G** & Blumberg MS. Corollary discharge in precerebellar nuclei of sleeping infant rats. *ELife*. Under review.
2. Zhou X, St. Pierre CL, Gonzales NM, Cheng R, Chitre A, Lim J, **Sokoloff G**, & Palmer AA. Genome wide association study, replication, and mega-analysis using a dense marker in multi-generational mouse advanced intercross line. *PLOS Genetics*. Under review.
3. Mukherjee D, Yonk AJ, **Sokoloff G** & Blumberg MS. Wakefulness suppresses retinal wave-related neural activity in visual cortex. *Journal of Neurophysiology* 118: 1190-1197, 2017.
4. Del Rio-Bermudez C, Kim J, **Sokoloff G** & Blumberg MS. Oscillations during active sleep synchronize the developing rubro-hippocampal sensorimotor network. *Current Biology*, <http://dx.doi.org/10.1016/j.cub.2017.03.077>, 2017.
5. Del Rio-Bermudez C, Plumeau AM, Sattler NJ, **Sokoloff G** & Blumberg MS. Spontaneous activity and functional connectivity in the developing cerebellorubral system. *Journal of Neurophysiology*, 116: 1316-1327, 2016.
6. Yazdani N, Parker CC, Shen Y, Guido MA, Kole LA, Kirkpatrick SL, Lim JE, **Sokoloff G**, Cheng R, Johnson WE, Palmer AA & Bryant CD. *Hnrnp1* is a quantitative trait gene for methamphetamine sensitivity. *PLOS Genetics*, 11(12):e1005713. doi: 10.1371/journal.pgen.1005713, 2015.
7. **Sokoloff G**, Uitermarkt BD & Blumberg MS. REM sleep twitches rouse nascent cerebellar circuits: Implications for sensorimotor development. *Developmental Neurobiology*, 75: 1140-1153, 2015.
8. **Sokoloff G**, Plumeau AM, Mukherjee D & Blumberg MS. Postnatal changes in sleep-dependent and rhythmic Purkinje cell activity mirror cerebellar circuit development. *Journal of Neurophysiology*, 114: 1746-1756, 2015.
9. Bermudez C D-R, **Sokoloff G** & Blumberg MS. Sensorimotor processing in the newborn rat red nucleus during active sleep. *Journal of Neuroscience*, 35: 8322-8332, 2015.

10. Blumberg MS, **Sokoloff G**, Tiriac A & Bermudez C D-R. A valuable and promising method for recording brain activity in behaving newborn rodents. *Developmental Psychobiology*, 57: 506-517, 2015.
11. Blumberg MS, Coleman CM, **Sokoloff G**, Weiner JA, Fritsch B & McMurray B. Development of twitching in sleeping infant mice depends on sensory experience. *Current Biology*, 25: 656-662, 2015.
12. Tiriac A, **Sokoloff G** & Blumberg MS. Myoclonic twitching and sleep-dependent plasticity. *Current Sleep Medicine Reports*, 1: 74-79, 2015.
13. Parker CC, Carbonetto P, **Sokoloff G**, Park YH, Abney M & Palmer AA. High-resolution genetic mapping of complex traits in a combined analysis of an F2 intercross and an advanced intercross. *Genetics*, 198: 103-116, 2014.
14. Parker CC*, **Sokoloff G***, Leung E, Kirkpatrick SL & Palmer AA. A large QTL fear and anxiety mapped using F2 cross can be dissected into multiple smaller QTLs. *Genes, Brain and Behavior*, 12: 714-722, 2013.
15. Lindquist DH, **Sokoloff G**, Milner E & Steinmetz JE. Neonatal ethanol exposure results in dose-dependent impairments in the acquisition and timing of the conditioned eyeblink response and altered cerebellar interpositus nucleus and hippocampal CA1 unit activity in adult rats. *Alcohol*, 47: 447-457, 2013.
16. Tiriac A, Uitermarkt BD, Fanning AS, **Sokoloff G** & Blumberg MS. Rapid whisker movements in sleeping newborn rats. *Current Biology*, 22: 2075-2085, 2012.
17. Hart AB, Englehardt BE, Wardle MC, **Sokoloff G**, Stephens M, de Wit H & Palmer AA. Genome-Wide Association Study of d-Amphetamine Response in Healthy Volunteers Identifies Putative Associations, Including Cadherin 13. *PLoS One* 7, e42646. Epub Aug 28, 2012.
18. Distler M, Plant L, **Sokoloff G**, Hawk A, Aneas I, Wuenschell G, Termini J, Meredith S, Nobrega M & Palmer A. Methylglyoxal is an endogenous GABAA receptor agonist that mediates Glyoxalase 1's anxiogenic effect in mice. *Journal of Clinical Investigations*, 122: 2306-2315, 2012.
19. Bryant CD, Kole L, Guido M, **Sokoloff G** & Palmer AA. Congenic dissection of a major QTL for methamphetamine sensitivity implicates epistasis. *Genes, Brain and Behavior*, 11: 623-632, 2012.
20. Parker CC, **Sokoloff G**, Cheng R & Palmer AA. Genome-Wide Association for Fear Conditioning in an Advanced Intercross Mouse Line. *Behavior Genetics*, 42: 437-448, 2012.
21. Parker CC, Cheng R, **Sokoloff G** & Palmer AA. Genome-wide association for methamphetamine sensitivity in an advanced intercross mouse line. *Genes Brain & Behavior*, 11, 52-61, 2012.
22. Savic D, Distler MG, **Sokoloff G**, Shanahan NA, Dulawa SC, Palmer AA, Nobrega MA. Modulation of Tcf7l2 expression alters behavior in mice. *PLoS One*. 6, e26897. Epub Oct 27, 2011.
23. Parker CC, Cheng R, **Sokoloff G**, Lim JE, Skol AD, Abney M, Palmer AA. Fine-mapping alleles for body weight in LG/J × SM/J F(2) and F(34) advanced intercross lines. *Mammalian Genome*, 22: 563-571, 2011.
24. Philip VM, **Sokoloff G**, Ackert-Bicknell CL, Striz M, Branstetter L, Beckmann MA, Spence JS, Naswa S, Jackson BL, Galloway LD, Barker P, Wymore AM, Hunsicker PR, Durtschi DC, Shaw GS, Shinpock S, Manly KF, Miller DR, Donahue KD, Culiati CT, Churchill GA, Lariviere WR, Palmer AA, O'Hara BF, Voy BH & Chesler EJ. Genetic analysis in the Collaborative Cross breeding population. *Genome Research*, 8: 1223-1238, 2011.

25. **Sokoloff G**, Parker CC, Lim JE & Palmer AA. Anxiety and Fear in a cross of C57BL/6J and DBA/2J mice: mapping overlapping and independent QTL for related traits. *Genes Brain & Behavior*, 5: 604-14, 2011
26. Samocha KE, Lim JE, Cheng, R, **Sokoloff G** & Palmer AA. Fine mapping of QTL for prepulse inhibition in LG/J and SM/J mice using F₂ and advanced intercross lines. *Genes Brain & Behavior*, 9: 759-767, 2010.
27. Cheng R, Lim JE, Samocha KE, **Sokoloff G**, Abney M, Skol AD & Palmer AA. Genome-wide association studies and the problem of relatedness among advanced intercross lines and other highly recombinant populations. *Genetics*, 185: 1033-1044, 2010.
28. Velez L, **Sokoloff G**, Miczek KA, Palmer AA & Dulawa SC. Differences in aggressive behavior and DNA copy number variants between BALB/cJ and BALB/cByJ substrains. *Behavior Genetics*, 40: 201-210, 2010.
29. Aldinger KA, **Sokoloff G**, Rosenberg DM, Palmer AA & Millen KJ. Genetic variation and population substructure in outbred CD-1 mice: implications for genome-wide association studies. *PLoSOne*, 4, e4739. Epub March 6, 2009.
30. Williams R, Lim JE, Harr B, Wing C, Walters R, Distler MG, Teschke M, Wu C, Wiltshire T, Su AI, **Sokoloff G**, Tarantino LM, Borevitz JO & Palmer AA. A common and unstable copy number variant is associated with differences in *Glo1* expression and anxiety-like behavior. *PLoS One*, 4, e4649. Epub March 6, 2009.
31. Bryant CD, Graham ME, Distler MG, Munoz MB, Li D, Vezina P, **Sokoloff G** & Palmer AA. A role for casein kinase 1 epsilon in the locomotor stimulant response to methamphetamine. *Psychopharmacology*, 203: 703-711 2009.
32. Bryant CD, Zhang NN, **Sokoloff G**, Fanselow MS, Ennes HS, Palmer AA & McRoberts JA. Behavioral differences among C57BL/6 substrains: Implications for transgenic and knockout studies. *Journal of Neurogenetics*, 22: 315-331, 2008.
33. Wilber AA, Southwood CJ, **Sokoloff G**, Steinmetz JE & Wellman CL. Neonatal maternal separation alters adult eyeblink conditioning and glucocorticoid receptor expression in the interpositus nucleus of the cerebellum. *Developmental Neurobiology*, 67: 1751-1764, 2007.
34. Lindquist DH, **Sokoloff G** & Steinmetz JE. Ethanol-exposed neonatal rats are impaired as adults in classical eyeblink conditioning at multiple unconditioned stimulus intensities. *Brain Research*, 1150: 155-166, 2007.
35. **Sokoloff G**, Lindquist DH & Steinmetz JE. Context and stimulus pre-exposure effects on latent inhibition during classical eyeblink conditioning in rats. *International Journal of Comparative Psychology*, 19: 398-416, 2006.
36. **Sokoloff G** & Steinmetz JE. A continuum of learning and memory research: A commentary on Grau and Joynes. *International Journal of Comparative Psychology*. 18: 38-41. 2005.
37. Blumberg MS & **Sokoloff G**. Hard heads and open minds: A reply to Panksepp. *Psychological Review*, 110: 389-394, 2003.
38. **Sokoloff G** & Blumberg MS. Contributions of endothermy to huddling behavior in infant Norway rats (*Rattus norvegicus*) and Syrian golden hamsters (*Mesocricetus auratus*). *Journal of Comparative Psychology*, 116: 240-246, 2002.

39. **Sokoloff G**, Blumberg MS, Boline EA, Johnson ED & Streeper NM. Thermoregulatory behavior in infant Norway rats (*Rattus norvegicus*) and Syrian golden hamsters (*Mesocricetus auratus*): Arousal, orientation, and locomotion. *Journal of Comparative Psychology*, 116: 228-239, 2002.
40. Blumberg MS, Lewis SJ & **Sokoloff G**. Incubation temperature modulates post-hatching thermoregulatory behavior in the Madagascar ground gecko, *Paroedura pictus*. *Journal of Experimental Biology*, 205: 2777-2784, 2002.
41. Blumberg MS, **Sokoloff G**, Kirby RF, Kroot TG & Lewis SJ. Effects of antihypertensive drugs on ultrasound production and cardiovascular responses in 15-day-old rats. *Behavioural Brain Research*, 131: 37-46, 2002.
42. **Sokoloff G** & Blumberg MS. Competition and cooperation among huddling infant rats. *Developmental Psychobiology*, 39: 65-75, 2001.
43. Blumberg MS & **Sokoloff G**. Do infant rats cry? *Psychological Review*, 108; 83-95, 2001.
44. **Sokoloff G**, Blumberg MS & Adams MM. A comparative analysis of huddling in infant Norway rats and Syrian golden hamsters: Does endothermy modulate behavior? *Behavioral Neuroscience*, 114: 585-593, 2000.
45. Blumberg MS, **Sokoloff G** & Kent KJ. A developmental analysis of clonidine's effects on cardiac rate and ultrasound production in infant rats. *Developmental Psychobiology*, 36: 186-193, 2000.
46. Blumberg MS, Kreber LA, **Sokoloff G** & Kent KJ. Cardiovascular mediation of clonidine-induced ultrasound production in infant rats. *Behavioral Neuroscience*, 114: 602-608, 2000.
47. Blumberg MS, **Sokoloff G**, Kirby R F & Kent KJ. Distress vocalizations in infant rats: What's all the fuss about? *Psychological Science*, 11: 78-81, 2000.
48. Blumberg MS, **Sokoloff G** & Kent KJ. Cardiovascular concomitants of ultrasound production during cold exposure in infant rats. *Behavioral Neuroscience*, 113: 1274-1282, 1999.
49. Kirby RF, **Sokoloff G**, Perdomo E & Blumberg MS. Thermoregulatory and cardiovascular responses of infant SHR and WKY rats to cold exposure. *Hypertension*, 33: 1465-1469, 1999.
50. Blumberg MS & **Sokoloff G**. Thermoregulatory competence and behavioral expression in the young of altricial species -- Revisited. *Developmental Psychobiology*, 33: 107-123, 1998.
51. **Sokoloff G** & Blumberg MS. Active sleep in cold-exposed infant Norway rats and Syrian golden hamsters: The role of brown adipose tissue thermogenesis. *Behavioral Neuroscience*, 112: 695-706, 1998.
52. **Sokoloff G**, Kirby RF & Blumberg. MS. Further evidence that BAT thermogenesis modulates cardiac rate in infant rats. *American Journal of Physiology*, 274: R1712-R1717, 1998.
53. **Sokoloff G** & Blumberg MS. Thermogenic, respiratory and ultrasonic responses of week-old rats across the transition from moderate to extreme cold exposure. *Developmental Psychobiology*, 30: 181-194, 1997.
54. Blumberg MS, **Sokoloff G** & Kirby, RF. Brown fat thermogenesis and cardiac rate regulation during cold challenge in infant rats. *American Journal of Physiology*, 242: R1308-R1313, 1997.
55. Blumberg MS & **Sokoloff G**. Dynamics of brown fat thermogenesis in week-old rats: Evidence of relative stability during moderate cold exposure. *Physiological Zoology*, 70: 324-330, 1997.
56. Blumberg MS, Schalk SL & **Sokoloff G**. Pontine and basal forebrain transections disinhibit brown fat thermogenesis in neonatal rats. *Brain Research*, 699: 214-220, 1995.

Chapters

1. **Sokoloff G** & Blumberg MS. Recording Extracellular Activity in the Developing Cerebellum of Behaving Rats. In: Sillitoe R. (eds) Extracellular Recording Approaches. Neuromethods, vol 134. New York: Humana Press. 2018.
2. **Sokoloff G** & Blumberg MS. Vocalization. In: Kolb B. & Whishaw IQ. (eds) The Behaviour of the Laboratory Rat: A handbook with tests. Oxford: Oxford University Press. 2004.

INVITED LECTURES AND CONFERENCE PRESENTATIONS

Invited Lectures

Sokoloff G High Anxiety: A forward genetic approach to the study psychiatric disorders. Neuroscience Seminar, Louis Stokes Veteran's Administration Hospital, Cleveland, Ohio, March, 2010.

Conference Presentations: Talks

Sokoloff G REM sleep promotes synchronized neural oscillations in the developing sensorimotor system. SLEEP, Baltimore, MD, June, 2018.

Sokoloff G, Tobias ME & Blumberg MS. Quantity and patterning of REM-sleep twitches across the first postnatal year. International Society for Developmental Psychobiology, Washington DC, November, 2017.

Tadjalli A, Tiriak A, **Sokoloff G**, Blumberg MS. The self-tuning sleeping brain: Activity-dependent scaling of network activity in the developing brain. Sleep, Minneapolis, Minnesota, June 2014.

Uitermarkt BD, Tiriak A, Fanning AS, **Sokoloff G**, Blumberg MS. Rapid whisker movements during active sleep in newborn rats. Sleep, Baltimore, Maryland, June 2013.

Tiriak A, Fanning AS, Uitermarkt BD, Coleman CM, **Sokoloff G**, Blumberg MS. Rapid whisker movements in sleeping newborns. International Society for Developmental Psychobiology, New Orleans, Louisiana, October 2012.

Distler MG, Plant LD, Hawk AJ, Aneas I, **Sokoloff G**, Meredith SC, Nobrega M, Palmer AA. The role of Glyoxalase 1 in anxiety-like behavior. International Behavioural and Neural Genetics Society, Rome, Italy, May 2011.

Sokoloff G Mapping quantitative trait loci contributing to anxiety-like behavior in an advanced intercross line and pre-CC mice. Complex Trait Consortium, Chicago, Illinois, May, 2010.

Sokoloff G & Blumberg MS. The contributions of endothermy to huddling in altricial infants. International Society for Developmental Psychobiology, San Diego, California, November, 2001.

Sokoloff G, Blumberg MS, Gorby TA, Lewis SJ & Kirby RF. Sodium nitroprusside decreases blood pressure and evokes ultrasonic vocalizations in infant rats. International Society for Developmental Psychobiology, New Orleans, Louisiana, October, 2000.

Blumberg MS, **Sokoloff G**, Boline, EA & Streeper, NM Behavioral thermoregulation in infant rats and hamsters. International Society for Developmental Psychobiology, New Orleans, Louisiana, October, 2000.

Sokoloff G, Blumberg MS, Kreber, LA & Kent KJ. Does clonidine induce ultrasound production via its effects on the cardiovascular system? International Society for Developmental Psychobiology, Coral Gables, Florida, October, 1999.

Blumberg MS, **Sokoloff G**, Kirby RF & Kent KJ. Cardiovascular causes and consequences of ultrasound production in infant rats. International Society for Developmental Psychobiology, Coral Gables, Florida, October, 1999.

Sokoloff G & Blumberg MS. Comparative aspects of huddling behavior in infant rats and hamsters: Contributions of endogenous heat production. International Society for Developmental Psychobiology, Orléans, France, July, 1998.

Blumberg MS & **Sokoloff G**. Cardiovascular changes accompanying cold exposure and ultrasound production in infant rats. International Society for Developmental Psychobiology, Orléans, France, July, 1998.

Sokoloff G & Blumberg MS. Protection of myoclonic twitching by brown adipose tissue in cold-exposed infant rats and hamsters. International Society for Developmental Psychobiology, New Orleans, Louisiana, October, 1997.

Blumberg MS, **Sokoloff G** & Kirby RF. BAT thermogenesis contributes directly to the maintenance of cardiac rate in infant rats and hamsters during cold exposure. International Society for Developmental Psychobiology, New Orleans, Louisiana, October, 1997.

Kirby RF, Perdomo E, Deaver K, **Sokoloff G** & Blumberg MS. Diminished BAT thermogenesis in infant SHR compared to WKY rats. International Society for Developmental Psychobiology, New Orleans, Louisiana, October, 1997.

Sokoloff G & Blumberg MS. Clonidine- and separation-induced ultrasound production in infant rats: Cardiovascular interactions. International Society for Developmental Psychobiology, Washington D.C., November, 1996.

Blumberg MS, **Sokoloff G** & Kirby RF. Infant rat ultrasound as by-product: Cardiovascular considerations. International Society for Developmental Psychobiology, Washington, D.C., November, 1996.

Kirby RF, **Sokoloff G** & Blumberg MS. Thermoregulatory responses to cold challenge in infant spontaneously hypertensive and Wistar-Kyoto rats. International Society for Developmental Psychobiology, Washington, D.C., November, 1996.

Blumberg MS, **Sokoloff G** & Stolba, MA. Does brown fat thermogenesis protect sleep-related behaviors during cold exposure in neonatal rats. International Society for Developmental Psychobiology, San Diego, California, November, 1995.

Conference Presentations: Posters

Del Rio-Bermudez C, Kim J, **Sokoloff G** & Blumberg MS. Myoclonic twitches during active sleep drive coordinated activity in the newborn rat cortico-hippocampal network. International Society for Developmental Psychobiology, Washington DC, November, 2017.

Mukherjee D, **Sokoloff G** & Blumberg MS. Self-monitoring of myoclonic twitches by the inferior olive and lateral reticular nucleus: Evidence of corollary discharge. International Society for Developmental Psychobiology, Washington DC, November, 2017.

Gomez LJ, Del Rio-Bermudez C, **Sokoloff G** & Blumberg MS. State-dependent oscillatory activity in the pontine grey of neonatal rats. International Society for Developmental Psychobiology, Washington DC, November, 2017.

Sokoloff G, Del Rio-Bermudez C, Plumeau AM, Mukherjee D, Blumberg MS. Rhythmic and active-sleep-dependent neural activity during periods of rapid developmental change. GRC Sleep Regulation & Function, Galveston, March 2016.

Del Rio-Bermudez C, **Sokoloff G**, Blumberg MS. Theta oscillations in the developing red nucleus during active sleep. GRC Sleep Regulation & Function, Galveston, March 2016.

Mukherjee D, **Sokoloff G**, Blumberg MS. The inferior olive processes twitch-related information during active sleep in newborn rats: Evidence for corollary discharge. Society for Neuroscience, Chicago, October, 2015.

Sattler NJ, Yonk AJ, Coleman CM, **Sokoloff G**, Blumberg MS. Lack of muscle spindles in infant ErbB2 knockout mice is associated with deficits in functional and anatomical cerebellar development. Society for Neuroscience, Chicago, October, 2015.

Del Rio-Bermudez C, **Sokoloff G**, Blumberg MS. Sensorimotor integration in the red nucleus of infant rats during active sleep. Society for Neuroscience, Chicago, October, 2015.

Plumeau AM, Del Rio-Bermudez C, **Sokoloff G**, Blumberg MS. Twitches drive activity in the deep cerebellar nuclei of sleeping newborn rats: Implications for sensorimotor development. Society for Neuroscience, Chicago, October, 2015.

Sokoloff G, Plumeau AM, Mukherjee D, Blumberg MS. Sleep-dependent and rhythmic Purkinje cell activity in infant rats echoes distinct developmental stages of cerebellar circuit development. GRC Cerebellum, Lewiston ME August 2015.

Del Rio-Bermudez C, **Sokoloff G** & Blumberg MS. Neuronal firing properties of the red nucleus during sleep-related twitches and wake movements in newborn rats. International Society for Developmental Psychobiology, Washington DC, November, 2014.

Sokoloff G, Plumeau AM, Mukherjee D & Blumberg MS. The role of active sleep in postnatal cerebellar development. International Society for Developmental Psychobiology, Washington DC, November, 2014.

Sattler NJ, **Sokoloff G** & Blumberg MS. Somatotopic organization of the cerebellum in early development. International Society for Developmental Psychobiology, Washington DC, November, 2014.

Plumeau AM, **Sokoloff G**, Mukherjee D, Blumberg MS. REM sleep twitches drive Purkinje cell activity in the developing cerebellum. Society for Neuroscience, Washington DC, November, 2014.

Plumeau AM, **Sokoloff G**, Mukherjee D, Blumberg MS. Sleep- and twitch-dependent Purkinje cell activity across early postnatal cerebellar development. Sleep, Minneapolis, Minnesota, June 2014.

Dyken M, Zimmerman MB, Im K, Lin-Dyken DC, Glenn C, Blumberg MS, Rodnitzky R, **Sokoloff G**. Comparing periodic limb movements in sleep in subjects with and without waking paretic/plegic limbs. American Academy of Neurology, Philadelphia, Pennsylvania, April 2014.

Sokoloff G, Uitermarkt BD, Blumberg MS. Purkinje cell complex spike activity during active sleep in newborn rats. Society for Neuroscience, San Diego, California, November 2013.

Uitermarkt BD, **Sokoloff G**, Weiner JA, Fritsch B, Blumberg MS. Newborn mice lacking muscle spindles exhibit reduced twitch-related Purkinje cell activity during active sleep. Society for Neuroscience, San Diego, California, November 2013.

Gonzales NM, Distler MG, Parker CC, **Sokoloff G**, Palmer AA. Replication of GWAS results in mice using the criteria of both human and model organism genetics. Complex Trait Consortium, Madison, Wisconsin, May 2013.

Bryant CD, Parker CC, Guido MA, Kole LA, Goldberg LR, Kirkpatrick SL, **Sokoloff G**, Lim J, Cheng R, Palmer AA. *Rufy1* or *Hnrnp1* is a likely quantitative trait gene for methamphetamine sensitivity. Experimental Biology, Boston, Massachusetts, April 2013.

Sokoloff G, Uitermarkt B, Fanning A, Mukherjee D, Blumberg MS. Twitch-dependent cerebellar cortical activity during active sleep in infant rats. Sleep, Baltimore, Maryland, June 2013.

Sokoloff G, Uitermarkt BD, Todd WD, Blumberg MS. Cerebellar activity during sleep and wakefulness in week-old rats. International Society for Developmental Psychobiology and Society for Neuroscience, New Orleans, Louisiana, October 2012.

Uitermarkt BD, **Sokoloff G**, Blumberg MS. Twitch-related barrel cortex activity during active sleep revealed by voltage-sensitive dye imaging. International Society for Developmental Psychobiology and Society for Neuroscience, New Orleans, Louisiana, October 2012.

Tiriac A, **Sokoloff G**, Coleman CC, Blumberg MS. Spontaneous motor activity in the neonatal whisker system. i. behavioral evidence of whisker twitching during active sleep. Society for Neuroscience, New Orleans, Louisiana, October 2012.

Parker CC, **Sokoloff G**, Cheng R, Gopalakrishnan S, Gonzales N, Davis J, Palmmer AA. Comparing genome-wide association results for conditioned fear in two advanced intercross mouse lines: Implications for the genetic mapping of complex psychiatric traits. American College of Neuropsychopharmacology,

Hollywood, FL, December 2012.

Hart A, Engelhardt B, Wardle M, **Sokoloff G**, Skol A, Stephens M, de Wit H, Palmer A. Genome-wide association study of d-amphetamine response in healthy human participants identifies association with cadherin 13 (CDH13). American College of Neuropsychopharmacology, Waikoloa, HI, December 2011.

Parker CC, Cheng R, **Sokoloff G**, Lim JE, Palmer AA. Genome-wide association for methamphetamine-induced locomotor activity in an advanced intercross mouse line: the benefits of recombination. International Behavioural and Neural Genetics Society, Rome, Italy, May 2011.

Sokoloff G, Parker CC, Lim JE & Palmer AA. Factor analysis of anxiety-like behavior in mice reveals distinct patterns of genetic influence. Society for Neuroscience, San Diego, CA, November 2010.

Distler MG, Plant L, Ineas I, **Sokoloff G** & Palmer AA. The role of Glo1 in anxiety. Society for Neuroscience, San Diego, CA, November 2010.

Cheng R, Lim JE, Samocha KE, **Sokoloff G** & Palmer AA. Fine mapping of QTLs using an advanced intercross line. Complex Trait Consortium, Chicago, Illinois, May 2010.

Distler MG, **Sokoloff G** & Palmer AA. The Role of Glo1 in Anxiety-Like Behavior. Complex Trait Consortium, Chicago, Illinois, May 2010.

Parker CC, **Sokoloff G**, Lim JE & Palmer AA. Genome-Wide Association for Fear Conditioning in an Advanced Intercross Mouse Line: The Benefits of Recombination. Complex Trait Consortium, Chicago, Illinois, May, 2010.

Samocha KE, Cheng R, Lim JE, **Sokoloff G** & Palmer AA. Quantitative Trait Loci for Prepulse Inhibition in LGxSM Mice. Complex Trait Consortium, Chicago, Illinois, May, 2010.

Distler MG, Wing C, **Sokoloff G** & Palmer AA. The role of Glo1 expression on anxiety-like behavior in mice. Society for Neuroscience, Chicago, IL, 2009.

Kirkpatrick SL, DeMeyer MR, Walters RO, Wing C, **Sokoloff G** & Palmer AA. Differential fear learning and anxiety-like behavior mediated by quantitative trait loci (QTL) on chromosome 10. Society for Neuroscience, Chicago, IL, 2009.

Philip V, **Sokoloff G**, Spence JS, Galloway LD, Gomero B, Beckmann M, Culiati BC, Larviere WR, Churchill GA, Palmer AA, Donahue K, O'Hara B, Saxton AM & Chesler EJ. Genetic analysis of behavior in the Collaborative Cross breeding population. Society for Neuroscience, Chicago, IL, 2009.

Samocha KE, Lim JE, Chang H, Cheng R, **Sokoloff G** & Palmer AA. Pre-pulse inhibition quantitative trait loci (QTL) in LGxSM F₂ mice. Society for Neuroscience, Chicago, IL, 2009.

Sokoloff G, Beckman M, Philip V, Galloway L, Culiati CT, Palmer AA & Chesler EJ. Examination of anxiety-like behavior in pre-collaborative cross mice. Complex Trait Consortium, Manchester, UK, 2009.

Li D, Bubula N, Heffron S, Loweth J, Campbell P, **Sokoloff G**, Palmer AA & Vezina P. The effect of the casein kinase 1 epsilon inhibitor PF-670462, on Darrp-32 phosphorylation at Thr34 in rodent nucleus accumbens. Society for Neuroscience, Washington DC, 2008.

Sokoloff G, Cebollero TZ, Walters RO, Ponder CA & Palmer AA. Dissection of the expression of fear learning: Fine mapping quantitative trait loci underlying components of a polygenic trait. Complex Trait Consortium, Montréal, Québec, 2008.

Ponder CA, Munoz, MB, Gulden FO, **Sokoloff G** & Palmer AA. Use of chromosome substitution strains to identify quantitative trait loci (QTL) for fear learning and anxiety-like behaviors in mice. Society for Neuroscience, San Diego, California, 2007.

Palmer AA, Graham ME, Chen PC, Cain CE, Munoz MB, Marr RA & **Sokoloff G**. Role of casein kinase 1 epsilon (CSNK1E) in the locomotor stimulant response to methamphetamine in mice. Society for Neuroscience, San Diego, California, 2007.

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