Curriculum Vitae

February 2020

Name: ELENA VARLINSKAYA

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Education:

1977	First Pavlov State Medical University St. Petersburg, Russia	Faculty of Therapeutics (US equivalent: M.D.)
1983	Institute for Experimental Medical Research, Russian Academy of Medical Sciences St. Petersburg, Russia	Candidate of Science Degree (US. equivalent: Ph.D.)

Employment History:

2004-present Research Professor, Center for Development and Behavioral Neuroscience Binghamton University, Binghamton, NY

1999-2004 Research Associate Professor, Center for Developmental Psychobiology, Binghamton University, Binghamton, NY

1994-1999 Research Scientist, Center for Developmental Psychobiology, Binghamton University, Binghamton, NY

1988 Major Research Scientist, Pavlovian Physiological Department
Institute for Experimental Medical Research, St. Petersburg, Russia

1982 Research Scientist, Pavlovian Physiological Department
Institute for Experimental Medical Research, St. Petersburg, Russia

1979 Ph.D. Student, Pavlovian Physiological Department

Institute for Experimental Medical Research, St. Petersburg, Russia

1977 Research Associate, Pavlovian Physiological Department
Institute for Experimental Medical Research, St. Petersburg, Russia

Honors and Awards:

1981 Outstanding Junior Scientist Award, Institute for Experimental Medical Research, St. Petersburg, Russia

1983 Outstanding Junior Scientist Award, Institute for Experimental Medical Research, St. Petersburg, Russia

1985 Outstanding Junior Scientist Award, Institute for Experimental Medical Research, St. Petersburg, Russia

1993 Visiting Scientist, Center for Developmental Psychobiology, Binghamton University

1994/97 Visiting Scientist, Laboratory for Perinatal Neuroethology, Department of Psychology, Binghamton University

Other Professional Activities:

Member, International Society for Neuroscience
Member, New York Academy of Sciences
Member, Research Society on Alcoholism
Member, International Society for Biomedical Research on Alcoholism

Ad hoc reviewer for
- Alcohol
- Alcoholism: Clinical and Experimental Research
- Behavioral Brain Research
- Developmental Brain Research
- Child Development
- Life Sciences
- Neurotoxicology and Teratology
- Pharmacology, Biochemistry and Behavior
- Physiology and Behavior
- PLOS One
- Psychopharmacology

Scientific Projects Financed by Russian Academy of Medical Sciences, Principal Investigator:

Endogenous neuropeptides in central regulation of the motor function. 1986-1987.

Individual social experience and emotional behavior. 1988-1989.

Regulation of aggressive and social interactions in rats: role of left and right frontal cortex . 1990-1992.

Research Grants:

Ongoing:

1P50AA017823 Deak, T (PI) 09/01/2019 – 08/31/2024
NIAAA
Developmental Exposure Alcohol Research Center
The Developmental Exposure Research Center (DEARC) is an interdisciplinary center uniting behavioral and biomedical researches at Binghamton University, SUNY-Upstate Medical Center, and other institutions in upstate New York for the conduct and promotion of research involving fetal/adolescent alcohol exposures.
Role: Co-Investigator Project 4

U01AA019972 – NADIA project Spear, LP (PI) 09/01/2015 – 08/31/2020
NIAAA
Impact of adolescent intermittent ethanol on adult social reward and anxiety
The work outlined in this proposal investigates the consequences of voluntary and experimenter-administered alcohol on later social anxiety and reward, the efficacy of alcohol for countering these lasting perturbations in social behavior, and the impact on later voluntary intake of ethanol.
Role: Co-Investigator

R01 AG043467 Deak, T. (PI) 05/15/2014-05/14/2020
NIH/NIA
Neuroinflammation and social behavior across the lifespan.
This proposal will examine the role of aging-related increases in brain inflammation, accompanied by a decline in gonadal steroids and their impact on social behavior in aged rats.
Role: Co-investigator

Pending

R21 Diaz MR (PI)

NIAAA
Impact of Prenatal Ethanol on BLA Synaptic Plasticity
The goal of this study is to determine the long-term impact of prenatal alcohol exposure on medial prefrontal cortical-to-basolateral amygdala synapses and the modulatory role of the dynorphin/kappa opioid receptor system at these synapses.
Role: Co-investigator

Completed:

P50 AA017823 Deak, T (PI)
09/01/2014 – 08/31/2019
NIAAA
Developmental Exposure Alcohol Research Center
Role: PI Main Project 5

R01 AA/HD13098 Spear, NE (PI)
02/01/2002-01/31/2007
NIAAA/NICHD
Ethanol Intake and Reinforcement in Infant Rats
Role: Co-Investigator

R01 DA019071 Spear, LP (PI)
09/30/2004 – 08/31/2009
NIDA
Adolescence: Natural Incentives, Motivation, and Affect
Role: Co-Investigator

R01 AA15992 Spear, NE (PI)
08/01/2006 – 07/31/2011
NIAAA
Ontogeny of Response to Ethanol after Prenatal Ethanol

R01 AA017355 Spear, LP (PI)
09/30/2007 – 09/29/2012
NIAAA
Adolescence, Puberty and Sex Differences: Ethanol Intake, Sensitivity and Stress.
Role: Co-investigator

R01 AA012453 Varlinskaya, EI (PI)
02/01/2002 – 03/31/2013
NIAAA
Ethanol and Social Interactions in Adolescent Rats.
Adolescence, Puberty and Sex Differences: Ethanol Intake, Sensitivity and Stress.

Role: PI

R01 AA016887 Spear, LP (PI)
02/15/2007 – 02/15/2012
NIAAA
Ethanol-induced Social Facilitation in Adolescence: Social and Ethanol Reward.
Role: Co-PI

R01 AA017355 Spear, LP (PI)
09/30/2007 – 09/29/2013
NIAAA
Adolescence, Puberty and Sex Differences: Ethanol Intake, Sensitivity and Stress.
Role: Co-investigator

R01 AA018026 Spear, LP (PI)
09/30/08-08/31/2015
NIAAA
Acute and Chronic Tolerance to Ethanol in Adolescence: Impact on Consumption.
Role: Co-PI

Publications:

Vartanian, G. A., & Varlinskaya, E. I. (1982). A new class of endogenous peptide factors. *Ann Ist Super Sanita, 18*(1), 53-55.

Vartanyan, G. A., & Varlinskaya, E. I. (1986). Endogenous neuropeptides in regulation of motor functions of the normal and pathological brain. *Hum Physiol, 12*(1), 63-73.

Miklyaeva, E. I., Varlinskaya, E. I., Ioffe, M. E., Mats, V. N., Pokazanyeva, L. N., & Kulikov, M. A. (1993). Differences in the recovery rate of a learned forelimb movement after ablation of the motor cortex in right and left hemisphere in white rats. *Behav Brain Res, 56*(2), 145-154. doi:10.1016/0166-4328(93)90032-l

Petrov, E. S., Varlinskaya, E. I., Robinson, S. R., Smotherman, W. P., de Costa, B. R., & Rice, K. C. (1994). Kappa opioid effects on fetal behavior: central administration of U50,488. *Physiol Behav, 56*(1), 175-182. doi:10.1016/0031-9384(94)90276-3

Smotherman, W. P., Robinson, S. R., Varlinskaya, E. I., Petrov, E. S., Orlowski, M., de Costa, B. R., & Rice, K. C. (1994). Central administration of the endopeptidase 24.15 inhibitor cFP-AAF-pAB suggests dynorphin as the endogenous ligand underlying behavioral effects of milk in the fetal rat. *Pharmacol Biochem Behav, 47*(3), 715-719. doi:10.1016/0091-3057(94)90178-3

Varlinskaya, E. I., Petrov, E. S., Robinson, S. R., & Smotherman, W. P. (1994). Intracisternal administration of SKF-38393 and SCH-23390: behavioral effects in the rat fetus. *Pharmacol Biochem Behav, 48*(3), 741-748. doi:10.1016/0091-3057(94)90341-7

Varlinskaya, E. I., Petrov, E. S., Robinson, S. R., & Smotherman, W. P. (1994). Behavioral effects of centrally administered arginine vasopressin in the rat fetus. *Behav Neurosci, 108*(2), 395-409. doi:10.1037//0735-7044.108.2.395

Varlinskaya, E. I., Petrov, E. S., Robinson, S. R., & Smotherman, W. P. (1995). Asymmetrical development of the dopamine system in the fetal rat as indicated by lateralized administration of SKF-38393 and SCH-23390. *Pharmacol Biochem Behav, 50*(3), 359-367. doi:10.1016/0091-3057(94)00273-l

Petrov, E. S., Varlinskaya, E. I., & Smotherman, W. P. (1996). Interactions between vasopressin and mu-opioid systems in the rat fetus. *Physiol Behav, 60*(1), 217-230. doi:10.1016/0031-9384(96)00018-2

Varlinskaya, E. I., Petrov, E. S., & Smotherman, W. P. (1996). Endogenous AVP systems regulate oral behavior in the rat fetus: neuropeptide systems as ontogenetic adaptations. *Behav Neurosci, 110*(5), 1148-1157. doi:10.1037//0735-7044.110.5.1148

Varlinskaya, E. I., Petrov, E. S., & Smotherman, W. P. (1996). Classical conditioning in the fetal rat: reinforcing properties of dynorphin A (1-13). *Behav Neurosci, 110*(1), 154-167. doi:10.1037//0735-7044.110.1.154

Petrov, E. S., Varlinskaya, E. I., & Smotherman, W. P. (1997). The newborn rat ingests fluids through a surrogate nipple: a new technique for the study of early suckling behavior. *Physiol Behav, 62*(5), 1155-1158. doi:10.1016/s0031-9384(97)00310-7

Petrov, E. S., Varlinskaya, E. I., & Smotherman, W. P. (1997). Endogenous mu opioid systems and perioral responsiveness in the rat fetus. *Physiol Behav, 62*(1), 31-37. doi:10.1016/s0031-9384(97)00106-6

Smotherman, W. P., Goffman, D., Petrov, E. S., & Varlinskaya, E. I. (1997). Oral grasping of a surrogate nipple by the newborn rat. *Dev Psychobiol, 31*(1), 3-17. doi:10.1002/(sici)1098-2302(199707)31:1<3::aid-dev2>3.0.co;2-q

Smotherman, W. P., Petrov, E. S., & Varlinskaya, E. I. (1997). Experimental study of the first suckling episode: rat pups ingest fluids through a surrogate nipple. *Behav Neurosci, 111*(6), 1383-1394.

Varlinskaya, E. I., Petrov, E. S., Simonik, D. K., & Smotherman, W. P. (1997). Classical conditioning in the fetal rat with a long delay between presentation of CS and US. *Dev Psychobiol, 30*(1), 49-59. doi:10.1002/(sici)1098-2302(199701)30:1<49::aid-dev5>3.0.co;2-v

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Petrov, E. S., Varlinskaya, E. I., Becker, L. A., & Smotherman, W. P. (1998). Endogenous mu opioid systems and suckling in the neonatal rat. *Physiol Behav, 65*(3), 591-599. doi:10.1016/s0031-9384(98)00228-5

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and the first suckling episode in the rat. *Dev Psychobiol, 33*(2), 175-183.
Petrov, E. S., Varlinskaya, E. I., Bregman, K., & Smotherman, W. P. (1999). Sustained attachment to the nipple in the newborn rat depends on experience with the nipple, milk, and the expression of oral grasping. *Behav Neurosci, 113*(1), 211-221.
Varlinskaya, E. I., Petrov, E. S., Cheslock, S. J., & Spear, N. E. (1999). A new model of ethanol self-administration in newborn rats: gender effects on ethanol ingestion through a surrogate nipple. *Alcohol Clin Exp Res, 23*(8), 1368-1376.
Varlinskaya, E. I., Spear, L. P., & Spear, N. E. (1999). Social behavior and social motivation in adolescent rats: role of housing conditions and partner's activity. *Physiol Behav, 67*(4), 475-482. doi:10.1016/s0031-9384(98)00285-6
Cheslock, S. J., Varlinskaya, E. I., Petrov, E. S., & Spear, N. E. (2000). Rapid and robust olfactory conditioning with milk before suckling experience: promotion of nipple attachment in the newborn rat. *Behav Neurosci, 114*(3), 484-495.
Cheslock, S. J., Varlinskaya, E. I., Silveri, M. M., Petrov, E. S., Spear, L. P., & Spear, N. E. (2000). Acute effects of ethanol and the first suckling episode in the newborn rat. *Alcohol Clin Exp Res, 24*(7), 996-1002.
Petrov, E. S., Varlinskaya, E. I., & Smotherman, W. P. (2000). The first suckling episode in the rat: the role of endogenous activity at mu and kappa opioid receptors. *Dev Psychobiol, 37*(3), 129-143. doi:10.1002/1098-2302(200011)37:3<129::aid-dev2>3.0.co;2-p
Petrov, E. S., Varlinskaya, E. I., & Smotherman, W. P. (2000). Classical conditioning of responses to an artificial nipple in the rat fetus: mu and kappa opioid systems. *Dev Psychobiol, 37*(2), 59-72. doi:10.1002/1098-2302(200009)37:2<59::aid-dev1>3.0.co;2-#
Cheslock, S. J., Varlinskaya, E. I., Petrov, E. S., Silveri, M. M., Spear, L. P., & Spear, N. E. (2001). Ethanol as a reinforcer in the newborn's first suckling experience. *Alcohol Clin Exp Res, 25*(3), 391-402.
Petrov, E. S., Varlinskaya, E. I., & Spear, N. E. (2001). Self-administration of ethanol and saccharin in newborn rats: effects on suckling plasticity. *Behav Neurosci, 115*(6), 1318-1331.
Varlinskaya, E. I., Spear, L. P., & Spear, N. E. (2001). Acute effects of ethanol on behavior of adolescent rats: role of social context. *Alcohol Clin Exp Res, 25*(3), 377-385.
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Doremus, T. L., Varlinskaya, E. I., & Spear, L. P. (2004). Age-related differences in elevated plus maze behavior between adolescent and adult rats. *Ann N Y Acad Sci, 1021*, 427-430. doi:10.1196/annals.1308.057

Douglas, L. A., Varlinskaya, E. I., & Spear, L. P. (2004). Rewarding properties of social interactions in adolescent and adult male and female rats: impact of social versus isolate housing of subjects and partners. *Dev Psychobiol, 45*(3), 153-162. doi:10.1002/dev.20025

Petrov, E. S., Nizhnikov, M. E., Kozlov, A. P., Varlinskaya, E. I., Kramskaya, T. A., & Spear, N. E. (2004). Repetitive exposures to a surrogate nipple providing nutritive and non-nutritive fluids: effects on suckling behavior of the newborn rat. *Appetite, 43*(2), 185-194. doi:10.1016/j.appet.2004.04.005

Varlinskaya, E. I., & Spear, L. P. (2004). Changes in sensitivity to ethanol-induced social facilitation and social inhibition from early to late adolescence. *Ann N Y Acad Sci, 1021*, 459-461. doi:10.1196/annals.1308.064

Varlinskaya, E. I., & Spear, L. P. (2004). Acute ethanol withdrawal (hangover) and social behavior in adolescent and adult male and female Sprague-Dawley rats. *Alcohol Clin Exp Res, 28*(1), 40-50. doi:10.1097/01.ALC.0000108655.51087.DF

Spear, L. P., & Varlinskaya, E. I. (2005). Adolescence. Alcohol sensitivity, tolerance, and intake. *Recent Dev Alcohol, 17*, 143-159.

Spear, L. P., & Varlinskaya, E. I. (2005). Low dose effects in psychopharmacology: ontogenetic considerations. *Nonlinearity Biol Toxicol Med, 3*(1), 97-111. doi:10.2201/nonlin.003.01.006

Doremus, T. L., Varlinskaya, E. I., & Spear, L. P. (2006). Factor analysis of elevated plus-maze behavior in adolescent and adult rats. *Pharmacol Biochem Behav, 83*(4), 570-577. doi:10.1016/j.pbb.2006.03.019

Kozlov, A. P., Petrov, E. S., Varlinskaya, E. I., & Spear, N. E. (2006). Taste differentiation in the context of suckling and independent, adultlike ingestive behavior. *Dev Psychobiol, 48*(2), 133-145. doi:10.1002/dev.20123

Nizhnikov, M. E., Molina, J. C., Varlinskaya, E. I., & Spear, N. E. (2006). Prenatal

ethanol exposure increases ethanol reinforcement in neonatal rats. *Alcohol Clin Exp Res, 30*(1), 34-45. doi:10.1111/j.1530-0277.2006.00009.x

Nizhnikov, M. E., Varlinskaya, E. I., Petrov, E. S., & Spear, N. E. (2006). Reinforcing properties of ethanol in neonatal rats: involvement of the opioid system. *Behav Neurosci, 120*(2), 267-280. doi:10.1037/0735-7044.120.2.267

Nizhnikov, M. E., Varlinskaya, E. I., & Spear, N. E. (2006). Reinforcing effects of central ethanol injections in newborn rat pups. *Alcohol Clin Exp Res, 30*(12), 2089-2096. doi:10.1111/j.1530-0277.2006.00253.x

Petrov, E. S., Nizhnikov, M. E., Varlinskaya, E. I., & Spear, N. E. (2006). Dynorphin A (1-13) and responsiveness of the newborn rat to a surrogate nipple: immediate behavioral consequences and reinforcement effects in conditioning. *Behav Brain Res, 170*(1), 1-14. doi:10.1016/j.bbr.2006.03.012

Varlinskaya, E. I., & Spear, L. P. (2006). Ontogeny of acute tolerance to ethanol-induced social inhibition in Sprague-Dawley rats. *Alcohol Clin Exp Res, 30*(11), 1833-1844. doi:10.1111/j.1530-0277.2006.00220.x

Varlinskaya, E. I., & Spear, L. P. (2006). Differences in the social consequences of ethanol emerge during the course of adolescence in rats: social facilitation, social inhibition, and anxiolysis. *Dev Psychobiol, 48*(2), 146-161. doi:10.1002/dev.20124

Varlinskaya, E. I., & Spear, L. P. (2007). Chronic tolerance to the social consequences of ethanol in adolescent and adult Sprague-Dawley rats. *Neurotoxicol Teratol, 29*(1), 23-30. doi:10.1016/j.ntt.2006.08.009

Kozlov, A. P., Varlinskaya, E. I., & Spear, N. E. (2008). Ethanol, saccharin, and quinine: early ontogeny of taste responsiveness and intake. *Alcohol Clin Exp Res, 32*(2), 294-305. doi:10.1111/j.1530-0277.2007.00581.x

Varlinskaya, E. I., & Spear, L. P. (2008). Social interactions in adolescent and adult Sprague-Dawley rats: impact of social deprivation and test context familiarity. *Behav Brain Res, 188*(2), 398-405. doi:10.1016/j.bbr.2007.11.024

Doremus-Fitzwater, T. L., Varlinskaya, E. I., & Spear, L. P. (2009). Social and non-social anxiety in adolescent and adult rats after repeated restraint. *Physiol Behav, 97*(3-4), 484-494. doi:10.1016/j.physbeh.2009.03.025

Doremus-Fitzwater, T. L., Varlinskaya, E. I., & Spear, L. P. (2009). Effects of pretest manipulation on elevated plus-maze behavior in adolescent and adult male and female Sprague-Dawley rats. *Pharmacol Biochem Behav, 92*(3), 413-423. doi:10.1016/j.pbb.2009.01.006

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Nizhnikov, M. E., Varlinskaya, E. I., & Spear, N. E. (2009). The Central Reinforcing Properties of Ethanol Are Mediated by Endogenous Opioid Systems: Effects of Mu and Kappa Opioid Antagonists. *Rev Argent Cienc Comport, 1*(1), 1-12.

Varlinskaya, E. I., & Spear, L. P. (2009). Ethanol-induced social facilitation in adolescent rats: role of endogenous activity at mu opioid receptors. *Alcohol Clin Exp Res, 33*(6), 991-1000. doi:10.1111/j.1530-0277.2009.00920.x

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Anderson, R. I., Varlinskaya, E. I., & Spear, L. P. (2010). Ethanol-induced conditioned taste aversion in male sprague-dawley rats: impact of age and stress. *Alcohol Clin Exp Res, 34*(12), 2106-2115. doi:10.1111/j.1530-0277.2010.01307.x

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Spear, L. P., & Varlinskaya, E. I. (2010). Sensitivity to ethanol and other hedonic stimuli in an animal model of adolescence: implications for prevention science? *Dev Psychobiol, 52*(3), 236-243. doi:10.1002/dev.20457

Varlinskaya, E. I., Doremus-Fitzwater, T. L., & Spear, L. P. (2010). Repeated restraint stress alters sensitivity to the social consequences of ethanol in adolescent and adult rats. *Pharmacol Biochem Behav, 96*(2), 228-235. doi:10.1016/j.pbb.2010.05.011

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Mooney, S. M., & Varlinskaya, E. I. (2011). Acute prenatal exposure to ethanol and social behavior: effects of age, sex, and timing of exposure. *Behav Brain Res, 216*(1), 358-364. doi:10.1016/j.bbr.2010.08.014

Morales, M., Varlinskaya, E. I., & Spear, L. P. (2011). Age differences in the expression of acute and chronic tolerance to ethanol in male and female rats. *Alcohol Clin Exp Res, 35*(9), 1614-1624. doi:10.1111/j.1530-0277.2011.01508.x

Pautassi, R. M., Nizhnikov, M. E., Truxell, E., Varlinskaya, E. I., & Spear, N. E. (2011). Ontogeny of ethanol intake in alcohol preferring (P) and alcohol nonpreferring (NP) rats. *Dev Psychobiol, 53*(3), 234-245. doi:10.1002/dev.20516

Ramirez, R. L., Varlinskaya, E. I., & Spear, L. P. (2011). Effect of the selective NMDA NR2B antagonist, ifenprodil, on acute tolerance to ethanol-induced motor impairment in adolescent and adult rats. *Alcohol Clin Exp Res, 35*(6), 1149-1159. doi:10.1111/j.1530-0277.2011.01448.x

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social isolation in ethanol effects on the preweanling rat. *Behav Brain Res, 227*(1), 43-57. doi:10.1016/j.bbr.2011.10.029

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Vartanian, G.A. and Varlinskaya, E.I. (1981, May). A new class of endogenous peptides and the possibilities of new treatment of brain organic diseases. Soviet-Italian Symposium on neuropharmacology, Moscow.

Varlinskaya, E.I. and Obukhova, G.P. (1983, September). Axonal transport and spinal cord asymmetry in rats. USSR Physiological Society, Baku.

Varlinskaya, E.I., Klementiev, B.I., Shulgina, I.P. (1987, September). Chemical factors of postural asymmetry and central motor systems. Kishenev.

Varlinskaya, E.I. and Lebedev, A.A. (1989, November). Specialization of cerebral hemispheres in regulation of zoosocial behavior. Problems of Higher Nervous Activity. Leningrad.

Vartanian, G.A., Klementiev, B.I. and Varlinskaya, E.I. (1989, May). Chemical asymmetry of the brain: New approach to the study of neuropeptide regulators of behavior. International symposium "Molecular Basis of Action of Bioactive Substances on Behavior, Tallin.

Vartanian, G.A. and Varlinskaya, E.I. (1989, May). Zoosocial experience and emotional behavior. International symposium "Brain and Behavior", Dilizan.

Varlinskaya, E.I., Makarova, T.M., Tchasovnikova, T.I. and Novikova, T.A. (1991, April). Cerebral hemispheric regulation of zoosocial behavior depends on gender and social experience. International symposium "Pavlovian Conditioning", St. Petersburg.

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Petrov E.S., Varlinskaya, E.I., Robinson S.R. and W.P. Smotherman (1994, November). Interaction between mu opioid and AVP systems in the rat fetus. International Society for Developmental Psychobiology, Islamorada, FL.

Bannoura, M.D., Varlinskaya, E.I., Petrov, E.S., Spear, L.P. and N.E. Spear. (1995, June). Early social experience, alcohol intake and aggression. Research Society on Alcoholism, Steamboat Springs, CO.

Varlinskaya, E.I., Petrov, E.S. and W.P. Smotherman (1995, November). Fetal motor behavior and responsiveness to perioral cutaneous stimulation: Involvement of V1 receptors. International Society for Neuroscience, San Diego, CA.

Petrov, E.S., Varlinskaya, E.I. and W.P. Smotherman (1995, November). Classical conditioning in the fetal rat: reinforcing properties of dynorphin A (1-13). International Society for Developmental Psychobiology, San Diego, CA.

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Becker, L.A., Varlinskaya, E.I., Petrov, E.S. and W.P. Smotherman (1995, November). Endogenous mu opioid systems regulate responses to ecologically relevant stimuli in neonatal rats. International Society for Developmental Psychobiology, San Diego, CA.

Koffman, D., Goffman, D., Varlinskaya, E.I., Petrov, E.S. & W.P. Smotherman (1996, November). Oral grasping of a surrogate nipple by the newborn rat. International Society for Developmental Psychobiology, Washington, D.C.

Varlinskaya, E.I., Petrov, E.S. and W.P. Smotherman (1996, November). Experimental study of the first suckling episode: Rat pups ingest fluids through the surrogate nipple. Society for Neuroscience, Washington, D.C.

Varlinskaya, E.I., Petrov, E.S., Becker, L.A. and W.P. Smotherman (1996, November). Neonatal responses to a surrogate nipple: Role of mu opioid systems. Society for Neuroscience, Washington, D.C.

Varlinskaya, E.I. & N.E.Spear (1997, October). Modification of social behavior and play fighting: Role of environmental and social factors. International Society for Developmental Psychobiology, New Orleans, Louisiana.

Petrov, E.S., Varlinskaya, E.I. & W.P.Smotherman (1997, October). Plasticity in nipple attachment in the rat: Importance of oral grasping during the first suckling episode. International Society for Developmental Psychobiology, New Orleans, Louisiana.

Smotherman, W.P., Petrov E.S. & E.I.Varlinskaya (1997, October). Milk-induced changes in responses evoked by an artificial nipple in the rat fetus: involvement of mu and kappa opioid systems. International Society for Developmental Psychobiology, New Orleans, Louisiana.

Varlinskaya, E.I., Petrov, E.S. & N.E. Spear (1998, June). Ontogeny of the reinforcing properties of ethanol: Newborn rats ingest ethanol through a surrogate nipple. Research Society on Alcoholism, Hilton Head Island, South Carolina.

Varlinskaya, E.I., Kraebel, K.S., Cheslock, S.J. & N.E.Spear (1998, November). Ethanol and social behavior of adolescent rats: Role prenatal and early postnatal experience with alcohol. Society for Neuroscience, Los Angeles, California.

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Cheslock, S.J., Varlinskaya, E.I., Silveri, M.M., Petrov, E.S., Spear, L.P. & N.E. Spear (1999, June). Alcohol exposure and the first suckling episode in the neonatal rat. Research Society on Alcoholism, Santa Barbara, California.

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Cheslock, S.J., Varlinskaya, E.I., Petrov, E.S. & N.E. Spear (1999, October). Olfactory conditioning with milk in newborns promotes nonnutritive suckling. International Society for Developmental Psychobiology, Coral Gables, Florida.

Douglas, L.A., Varlinskaya, E.I., Spear, N.E. & L.P. Spear (1999, October). Variations in periadolescent social play behavior due to housing conditions and partner activity. International Society for Developmental Psychobiology, Coral Gables, Florida.

Cheslock, S.J., Varlinskaya, E.I., Petrov, E.S. & N.E. Spear (1999, October). The reinforcing properties of alcohol in the first suckling episode. Society for Neuroscience, Miami Beach, Florida.

Petrov, E.S., Varlinskaya, E.I. & W. P.Smotherman (1999, October). Endogenous mu and kappa opioid systems and the first suckling episode in the rat. Society for Neuroscience, Miami Beach, Florida.

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Nizhnikov, M.E., Petrov, E.S., Varlinskaya, E.I & N.E. Spear (2000, November). Responsiveness to primary tastants and behavioral plasticity in the context of

suckling. International Society for Developmental Psychobiology. New Orleans, Louisiana.

Petrov, E. S., Varlinskaya, E.I. & N. E. Spear (2000, November). Self-administration of ethanol and saccharin in newborn rats: Effects on suckling plasticity. International Society for Developmental Psychobiology. New Orleans, Louisiana.

Varlinskaya, E.I, L. P. Spear, & N.E. Spear (2000, November). Acute effects of ethanol on behavior of adolescent rats: Role of social context.. International Society for Developmental Psychobiology. New Orleans, Louisiana.

Petrov, E.S., Varlinskaya, E.I. & Spear, N.E. (2001, June). Reinforcement from ethanol's pharmacological effects in newborn rats. Research Society on Alcoholism, Montreal, Quebec, Canada.

Varlinskaya, E.I. & Spear, L.P. (2001, June). Anxiolytic effects of ethanol in adolescent and adult rats. Research Society on Alcoholism, Montreal, Quebec, Canada.

Abate, P., Cheslock, S.J., Varlinskaya, E.I., Molina, J.C. & N.E. Spear (2001, June). Alcohol-mediated olfactory conditioning in utero: Effects upon the 1st suckling episode in neonatal rats. Research Society on Alcoholism, Montreal, Quebec, Canada.

Petrov, E.S., Nizhnikov, M.E., Varlinskaya, E.I. & N.E. Spear (2001, November). Continual "bottle-feeding" in newborn rats. Society for Neuroscience, San Diego, California.

Varlinskaya, E.I. & Spear, L.P. (2001, November). Acute ethanol and social behavior of adolescent and adult rats: Role of familiarity of the test situation. Society for Neuroscience, San Diego, California.

Varlinskaya, E.I. & Spear, L.P. (2002, June – July). Acute effects of ethanol on social behavior of adolescent and adult rats: Role of familiarity of the test situation. Research Society on Alcoholism and the 11th Congress of the International Society for Biomedical Research on Alcoholism, San Francisco, California.

Petrov, E.S., Nizhnikov, M.E., Varlinskaya, E.I. & Spear, N.E. (2002, June – July). Neonatal alcohol-preferring (P) and nonpreferring (NP) rats differ in their responsiveness to ethanol. Research Society on Alcoholism and the 11th Congress of the International Society for Biomedical Research on Alcoholism, San Francisco, California.

Doremus, T.L, Brunell, S.C., Varlinskaya, E.I. & L.P. Spear (2002, June – July). Anxiopgenic effects of acute ethanol withdrawal in adolescent and adult rats.

Research Society on Alcoholism and the 11th Congress of the International Society for Biomedical Research on Alcoholism, San Francisco, California.

Nizhnikov, M.E., Petrov, E.S., Varlinskaya E.I. & Spear, N.E. (2002, October – November). Incentive and reinforcing properties of direct central injection of Dynorphin A (1-13) in newborn rats. International Society for Developmental Psychobiology, Orlando, Florida.

Varlinskaya, E.I. & Spear, L.P. (2002, November). Acute ethanol withdrawal (hangover) and social behavior in adolescent and adult rats. Society for Neuroscience, Orlando, Florida.

Petrov, E.S., Nizhnikov, M.E., Kozlov, A.P., Varlinskaya, E.I., Kramskaya, T.A. & Spear, N.E. (2002, November). Milk, sucrose, saccharin, pedialyte, and water as first postnatal meal: Behavioral and physiological consequences for the newborn rat. Society for Neuroscience, Orlando, Florida.

Varlinskaya, E.I. & Spear, L.P. (2003, June). Age- and time-dependent effects of ethanol on social interactions: implications of the ontogeny of acute tolerance. Research Society on Alcoholism, Fort Lauderdale, Florida.

Nizhnikov, M.E., Petrov, E.S., Varlinskaya, E.I. & Spear, N.E. (2003, June). Prenatal exposure to ethanol modifies responsiveness to ethanol early in life. Research Society on Alcoholism, Fort Lauderdale, Florida.

Varlinskaya E.I. & Spear L.P. (2003, September) Changes in sensitivity to ethanol-induced social facilitation and social inhibition from early to late adolescence. New York Academy of Sciences, New York, New York.

Doremus T.L., Varlinskaya E.I. & Spear L.P. (2003, September) Age-related differences in elevated plus maze behavior between adolescent and adult rats. New York Academy of Sciences, New York, New York.

Varlinskaya E.I. & Spear L.P. (2003, November) Chronic tolerance to ethanol effects on social behavior of adolescent and adult rats. Society for Neuroscience, New Orleans.

Nizhnikov, M.E., Petrov, E.S., Varlinskaya, E.I. & Spear, N.E. (2003, November). Central administration of dynorphin A (1-13): Immediate behavioral consequences and reinforcing effects in newborn rats. Society for Neuroscience, New Orleans.

Varlinskaya, E.I. & Spear, L.P. (2004, June). Age-dependent effects of ethanol on social interactions during intoxication and recovery. Research Society on Alcoholism, Vancouver, Canada.

Spear L.P. & Varlinskaya, E.I. (2004, June). Hormetic-like low dose effects in psychopharmacology: ontogenetic considerations. Nonlinearity in Biology, Toxicology and Medicine Conference, University of Massachusetts, Amherst, MA.

Kozlov, A.P., Petrov, E.S., Varlinskaya, E.I. & Spear, N.E. (2004, October). Taste responsiveness and intake control in the newborn rat. Society for Neuroscience, San Diego, CA.

Varlinskaya, E.I., Petrov E.S. & Spear, L.P. (2005, November). Social interactions in adolescent and adult rats: Impact of test context familiarity and social deprivation. Society for Neuroscience, Washington D.C.

Nizhnikov, M.E., Varlinskaya, E.I., Petrov, E.S., & Spear, N.E. (2005, November). Reinforcing properties of ethanol in neonatal rats: involvement of the opiate system. Society for Neuroscience, Washington D.C.

Doremus, T.L., Varlinskaya, E.I., & Spear, L.P. (2005, November). Age-related differences in anxiolytic actions of diazepam in adolescent and adult male rats. National Institute on Drug Abuse (NIDA) Frontiers in Addiction Research, Washington, D.C.

Doremus, T.L., Varlinskaya, E.I., & Spear, L.P. (2006, June). Age-related differences in anxiolytic actions of ethanol and diazepam in adolescent and adult male rats. Research Society on Alcoholism, Baltimore, Maryland.

Kozlov, A.P., Varlinskaya, E.I., & Spear, N.E. (2006, June). New probe for taste responsiveness to ethanol in the infant rat. Research Society on Alcoholism, Baltimore, Maryland.

Varlinskaya, E.I., & Spear, L.P. (2006, June). Ethanol-induced social facilitation in adolescent rats: role of endogenous activity at mu opioid receptors. Research Society on Alcoholism, Baltimore, Maryland.

Doremus-Fitzwater, T.L., Varlinskaya, E.I., & Spear, L.P. (2006, October). Anxiolytic effects of diazepam in adolescent and adult male and female rats: impact of social versus nonsocial testing. International Society for Developmental Psychobiology, Atlanta, Georgia.

Varlinskaya, E.I., & Spear, L.P. (2006, October). Acute restraint stress increases sensitivity to social consequences of ethanol in adolescent rats. International Society for Developmental Psychobiology, Atlanta, Georgia.

Nizhnikov, M.E., Varlinskaya, E.I., Spear, N.E. (2006, October). Reinforcing effects of central ethanol injections in newborn rat pups: classical olfactory conditioning

with lemon odor. International Society for Developmental Psychobiology, Atlanta, Georgia.

Kozlov, A.P., Varlinskaya, E.I., Kramskaya, T.A., Spear, N.E. (2006, October). Ethanol, saccharin, and quinine: taste responsiveness and intake in preweanling rats. Society for Neuroscience, Atlanta, Georgia.

Doremus-Fitzwater, T.L., Varlinskaya, E.I., & Spear, L.P. (2006, October). Responsiveness to chronic restraint stress in adolescent and adult Sprague-Dawley rats. Society for Neuroscience, Atlanta, Georgia.

Varlinskaya, E.I., Falkowitz, S., Spear, L.P. (October, 2006). Adolescent-associated insensitivity to ethanol-induced taste aversions. Society for Neuroscience, Atlanta, Georgia.

Varlinskaya, E.I. & Spear, L.P. (July, 2007). Sensitization to social anxiolytic effects of ethanol in adolescent and adult rats following repeated ethanol exposure. Research Society on Alcoholism. Chicago, IL.

Doremus-Fitzwater, T. L., Varlinskaya, E. I., & Spear, L. P. (October/November, 2007). Pretest manipulations impact elevated plus-maze behavior differentially across age in adolescent and adult rats. International Society for Developmental Psychobiology, San Diego, CA.

Doremus-Fitzwater, T. L., Varlinskaya, E. I., Spear, L. P. (November, 2007). Impact of repeated stress on responsivity to ethanol-induced changes in social behavior in adolescent and adult rats. Society for Neuroscience 2007. San Diego, CA.

Kozlov, A.P., Kramskaya, T.A., Varlinskaya, E.I., Spear, N.E. (October/November, 2007). Pharmacological effects of ethanol on ingestive behavior of the preweanling rat. International Society for Developmental Psychobiology, San Diego, CA.

Mooney, S.M., Youngentob, S.L., Varlinskaya, E.I. ((October/November, 2007) Behavioral effects of acute exposure to ethanol: an autism-like phenotype? Society for Neuroscience 2007. San Diego, CA.

Varlinskaya, E. I., & Spear, L. P. (October/November, 2007). Increases in anxiety induced by acute stress are reversed by ethanol in adolescent but not adult rats. Society for Neuroscience 2007. San Diego, CA.

Willey, A.R., Spear, L.P., & Varlinskaya, E.I. (October/November, 2007). Social anticipation and social affect in adolescent rats: effects of social deprivation and ethanol. International Society for Developmental Psychobiology, San Diego, CA.

Anderson, R.I., Varlinskaya, E.I., & Spear, L.P. (June, 2008). Restraint stress, sucrose intake and ethanol-induced conditioned taste aversion in adolescent and adult male rats. Research Society on Alcoholism 2008. Washington, D.C.

Varlinskaya E.I., Spear L.P. (June, 2008) Attenuated aversive effects of ethanol among adolescent rats are diminished further in adolescent males by the presence of a social partner. Research Society on Alcoholism 2008. Washington, D.C.

Anderson, R.I., Varlinskaya, E.I., & Spear, L.P. (November, 2008). Isolation stress and ethanol-induced conditioned taste aversion in adolescent and adult male rats. International Society for Developmental Psychobiology, Washington, DC.

Morales, M., Varlinskaya, E.I., & Spear, L.P. (November, 2008). Conditioned place preference in adult and adolescent rats emerges after a low dose of ethanol, regardless of stress exposure. International Society for Developmental Psychobiology, Washington, DC.

Varlinskaya, E.I., Spear, L.P. (November, 2008). Social facilitation induced by pharmacological activation of mu opioid receptors: impact of age, sex and stress. Society for Neuroscience, Washington, DC.

Willey, A. R., Varlinskaya, E. I., & Spear, L. P. (November, 2008). Hedonic value of social interactions measured by 55 kHz ultrasonic vocalizations in adolescent and adult rats. Society for Neuroscience, Washington, DC.

Broadwater, M.A., Varlinskaya, E.I., Spear, L.P. (June, 2009). Development of chronic tolerance to ethanol-induced sedation in adolescent and adult male rats. Research Society on Alcoholism 2009. San Diego, CA.

Mooney, S.M., Youngentob, S.L., Varlinskaya, E.I. (June, 2009) Behavioral effects of acute exposure to ethanol are time-dependent. Research Society on Alcoholism 2009. San Diego, CA.

Varlinskaya E.I., Spear L.P. (June, 2009). Are the sobering effects of stress associated with increases in acute tolerance ? Research Society on Alcoholism 2009. San Diego, CA.

Mooney, S.M., Miller, M.W., Varlinskaya, E.I. (September, 2009). Acute exposure to ethanol affects social behavior and amygdala structure in a time-dependent manner. 16th International Society of Developmental Biologists Congress. Edinburgh, UK.

Varlinskaya, E.I., Spear, L.P. (October, 2009). Pharmacological activation of kappa opioid receptors and social anxiogenesis: impact of age, sex and repeated stress. Society for Neuroscience, Chicago, IL.

Morales, M., Varlinskaya, E.I., & Spear, L.P. (October, 2009). Evidence for ethanol conditioned place preference in adult rats. Society for Neuroscience, Chicago, IL.

Broadwater, M.A., Varlinskaya, E.I., Spear, L.P. (October, 2009). Chronic ethanol exposure in adolescent and adult rats: effects on social behavior and ethanol intake. International Society for Developmental Psychobiology, Chicago, IL

Ramirez, R.L., Varlinskaya, E.I., Spear, L.P. (June, 2010). Effects of the selective NMDA NR2B antagonist, ifenprodil, on acute tolerance to ethanol-induced motor impairment in adolescent and adult rats. Research Society on Alcoholism 2010. San Antonio, TX.

Mooney, S.M., Varlinskaya, E.I. (June, 2010) Behavioral effects of acute prenatal exposure to ethanol are time- and sex-dependent. Research Society on Alcoholism 2010. San Antonio, TX.

Varlinskaya, E.I., Spear, L.P. (June, 2010) Social consequences of ethanol: Impact of age, stress and prior history of ethanol exposure. Research Society on Alcoholism 2010. San Antonio, TX.

Vetter-O'Hagen, C.S, Varlinskaya, E.I., Spear, L.P. (June 2010) Age and strain differences in the acute effects of ethanol on social behavior in adolescent and adult alcohol-preferring and Wistar rats. Research Society on Alcoholism 2010. San Antonio, TX.

Broadwater, M.A., Varlinskaya, E.I., Spear, L.P. (June 2010) Development of chronic tolerance to ethanol-induced sedation in adolescent and adult male rats. Research Society on Alcoholism 2010. San Antonio, TX.

Varlinskaya, E.I., Spear, L.P. (September, 2010) Endogenous opioid systems and the social consequences of ethanol in adolescence. International Society for Biomedical Research on Alcoholism, Paris, France.

Broadwater, M.A., Varlinskaya, E.I., Spear, L.P. (November, 2010) Different regimens of chronic ethanol exposure in adolescent and adult rats: Effects on tolerance to ethanol-induced motor impairment. International Society for Developmental Psychobiology, San Diego, CA.

Mooney, S.M., Varlinskaya, E.I. (November, 2010) Prenatal exposure to moderate dose of valproic acid does not inhibit social behavior. Society for Neuroscience, San Diego, CA.

Anderson, R.I., Morales, M., Varlinskaya, E.I., Spear, L.P. (November, 2010). Pharmacological activation of kappa opioid receptors: Aversive effects in adolescent and adult male Sprague-Dawley rats. Society for Neuroscience, San Diego, CA.

Morales, M., Anderson, R.I., Varlinskaya, E.I., Spear, L.P. (November, 2010). Pharmacological blockade of mu and kappa opioid receptors and ethanol intake: Impact of age. Society for Neuroscience, San Diego, CA.

Broadwater, M.A., Varlinskaya, E.I., Spear, L.P. (June, 2011) Voluntary access to sweetened ethanol during adolescence: effects on ethanol intake in adulthood. Research Society on Alcoholism 2011. Atlanta, GA.

Truxell, E.M., Varlinskaya, E.I., Spear, L.P. (June, 2011) A new "social drinking" paradigm reveals individual differences in intake. Research Society on Alcoholism 2011. Atlanta, GA.

Anderson, R.I., Varlinskaya, E.I., Spear, L.P. (June, 2011) Age differences in consumption of ethanol and supersac during a paired, social drinking procedure in adolescent and adult male Sprague-Dawley rats. Research Society on Alcoholism 2011. Atlanta, GA.

Varlinskaya, E.I., Anderson, R.I., Morales, M., Truxell, E., Spear, L.P. (July, 2011) Is the endogenous kappa opioid system implicated in adolescent-typical insensitivity to ethanol? Therapeutic Potential of Kappa Opioids in Pain and Addiction Seattle, WA.

Morales, M., Anderson, R.I., Varlinskaya, E.I., Spear, L.P. (July, 2011). Pharmacological blockade of kappa opioid receptors and ethanol intake: Impact of age and sex. Therapeutic Potential of Kappa Opioids in Pain and Addiction", Seattle, WA.

Anderson, R.I., Agoglia, A.E., Morales, M., Varlinskaya, E.I., Spear, L.P. (2011). Kappa agonist-induced conditioned taste aversion in male Sprague-Dawley rats: Impact of age and stress. Therapeutic Potential of Kappa Opioids in Pain and Addiction, Seattle, WA.

Broadwater, M.A., Varlinskaya, E.I., Spear, L.P. (November, 2011) Acute tolerance to ethanol-induced motor impairment in adolescent and adult female Sprague-Dawley rats. International Society for Developmental Psychobiology, Washington, DC.

Morales, M., Varlinskaya, E.I., Spear, L.P. (November, 2011) Anxiolytic effects of the GABAa receptor partial agonist, L-838,417: Impact of age, test context familiarity, and stress. Society for Neuroscience, Washington, DC.

Truxell, E.M., Varlinskaya, E.I., Spear, L.P. (November, 2011) Acute ethanol modifies corticosterone response to restraint stress in adolescent but not adult Sprague-Dawley rats. Society for Neuroscience, Washington, DC.

Anderson, R.I., Varlinskaya, E.I., Spear, L.P. (November, 2011) Evidence for stress-induced attenuation of conditioned taste aversion to ethanol in adolescent, but not adult male rats. Society for Neuroscience, Washington, DC.

Middleton, F.A., Varlinskaya, E.I., Mooney, S.M. (April-May, 2012) Behavioral and Molecular Effects of Acute Exposure to Ethanol: An Autism-Like Phenotype? Pediatric Academic Societies' Annual Meeting, Boston, MA.

Middleton, F.A., Varlinskaya, E.I., Mooney, S.M. (June, 2012) Behavioral and molecular effects of acute prenatal exposure to ethanol are altered by social enrichment. Research Society on Alcoholism 2012. San Francisco, CA.

Truxell, E.M., Varlinskaya, E.I., Spear, L.P. (June, 2012) Adolescent intermittent ethanol exposure increases social anxiety and retains adolescent-typical sensitivity to acute ethanol in male rats. Research Society on Alcoholism 2012. San Francisco, CA.

Truxell, E.M., Varlinskaya, E.I., Spear, L.P. (October, 2012) Ethanol intake under social circumstances or alone: Impact of age, sex, social activity and social anxiety. Society for Neuroscience, New Orleans, LA.

Doremus-Fitzwater, T.L, Varlinskaya, E.I., Truxell, E.M., Deak, T. (October, 2012) Examination of brain opioid gene expression in adolescent and adult rats following a brief episode of social isolation or social interaction. Society for Neuroscience, New Orleans, LA.

Spear, L.P, Varlinskaya, E.I.,Truxell, E., Broadwater, M.A., McClory, A.J., Anderson, R.I. (2013, June). Adolescent intermittent alcohol exposure: lasting behavioral consequences and alterations in ethanol sensitivity. Paper presented at the 36th Annual Research Society on Alcoholism Meeting, Orlando, FL.

Mooney, S.M., Middleton, F.A., Varlinskaya, E.I. (2014, June) Sex, age, and timing of alcohol exposure define behavioral and molecular outcomes. Paper presented at the 37th Annual Research Society on Alcoholism Meeting, Seattle, WA.

Broadwater, M.A., Shnitko, T.A., Eaton, C.J., Mathes, W.F., Liu, W., Crews, F.T., Varlinskaya, E.I., Spear, L.P., and Robinson, D.L. (2014, June). Evidence for long-lasting disruption of the oxytocin system after adolescent ethanol exposure. Paper presented at the 37th Annual Research Society on Alcoholism Meeting, Seattle, WA.

Truxell, E.M., Spear, L.P., & Varlinskaya, EI. (2013, June). Sex-dependent differences in adolescent sensitivity to the social consequences of acute ethanol and social drinking. Paper presented at the 36th Annual Research Society on Alcoholism Meeting, Orlando, FL.

Shnitko, T. A., Eaton, C. D., Varlinskaya, E. I., Spear, L. P., & Robinson, D. L. (2014). Binge-like alcohol exposure in adolescence blunts mesolimbic response to alcohol challenge in adulthood. Paper presented at the 37th Annual Research Society on Alcoholism Meeting, Seattle, WA.

Truxell, E.M., Varlinskaya, E.I., Spear, L.P. (2014, June) Sex-Dependent Alterations in Social Behavior Following Early Adolescent Intermittent Alcohol Exposure. Paper presented at the 37th Annual Research Society on Alcoholism Meeting, Seattle, WA.

Varlinskaya, E.I., Ruffini, L., Truxell, E.M, Morales, M., Spear, L.P. (2014, June) Lasting Behavioral Consequences and Alterations in Ethanol Sensitivity: Impact of Juvenile Social Deprivation and Isoflurane Exposure. Paper presented at the 37th Annual Research Society on Alcoholism Meeting, Seattle, WA.

Doremus-Fitzwater, T.L, Truxell, E.M., Varlinskaya, E.I. (2014, November) Social anxiety and the dynorphin/kappa opioid system during withdrawal from repeated ethanol: Impact of age and sex. Society for Neuroscience, Washington, DC.

Truxell, E.M., Varlinskaya, E.I., Spear, L.P. (2014, November) Rapid tolerance to ethanol-associated conditione taste aversion under social circumstances: Impact of age and sex. Society for Neuroscience, Washington, DC.

Varlinskaya, E.I., Truxell, E.M., Spear, L.P. (2014, November) Intermittent ethanol exposure during adolescence: Effects on stress-induced social alterations in adulthood. Society for Neuroscience, Washington, DC.

Deak, T., Varlinskaya, E.I., Truxell, E., Lovelock, D., Gano, A., Bhattacharya, A. (2014, November) The impact of P2x7 antagonism on stress-induced alterations in social interaction. Society for Neuroscience, Washington, DC.

Saalfield, J. Varlinskaya, E.I., Spear, L.P. (2015, June). Conditioned tolerance to ethanol-induced social inhibition in rats: Impact of age and sex. Paper presented at the 38th Annual Research Society on Alcoholism Meeting, San Antonio, TX.

Doremus-Fitzwater, T.L, Varlinskaya, E.I. (2015, October) Ethanol-associated social avoidance in male Sprague-Dawley rats and the involvement of the

endogenous dynorphin/kappa opioid system. Society for Neuroscience, Chicago, IL.

Varlinskaya, E.I., Diaz, M.R, Cole, J.M. (2015, October). Acute prenatal exposure to ethanol elicits social deficits and anxiety-like alterations in Sprague-Dawley rats. Society for Neuroscience, Chicago, IL.

Perkins, A.E., Spencer, R.L., Varlinskaya, E.I., Woodruff, E.R., Chun, L.E., Interrant, J.E., Deak, T. (2015, October). Analysis of c-Fos expression following a social experience: Examination of sex differences in adult and aged Fischer 344 rats reveals that females, but not males, display enhanced neural activation after social interaction. Society for Neuroscience, Chicago, IL.

Mooney, S.M, Varlinskaya, E.I. (2016, June). Prenatal ethanol exposure enhances sensitivity to socially facilitating and anxiolytic effects of ethanol in adolescent Sprague-Dawley rats. Paper presented at the 39th Annual Research Society on Alcoholism Meeting, New Orleans, LA.

Dannenhoffer, C.A., Varlinskaya, E.I. Spear, L.P. (2016, November) Developmental effects of the AMPA receptor antagonist NBQX differ from adolescent-specific effects of ethanol on social interactions. Society for Neuroscience, San Diego, CA.

Dannenhoffer, C.A., Saalfield, J. Varlinskaya, E.I., Spear, L.P. (2016, November) The effects of the oxytocin agonist WAY 267464 on social behavior in adult male and female rats following adolescent intermittent ethanol exposure. Society for Neuroscience, San Diego, CA.

Kim E, Varlinskaya E, Spear L (2017, June) Adolescent intermittent ethanol exposure: Effects of the vasopressin V1A antagonist, SR49059, on social behavior/preference in male and female rats. 40th Annual Scientific Meeting of the Research Society on Alcoholism (RSA), Denver, CO.

Johnson J., Varlinskaya E. (2017, June). Ethanol intake under social circumstances or alone in male and female Sprague Dawley rats: Impact of prenatal ethanol, exposure and social anxiety. 40th Annual Scientific Meeting of the Research Society on Alcoholism (RSA), Denver, CO.

Dannenhoffer, C., Werner, D.F., Varlinskaya, E.I. & Spear, L.P. (2017, November). Adolescent ethanol exposure induces social anxiety and alters the balance between the oxytocin and vasopressin systems. Society for Neuroscience, Washington, D.C.

Diaz, M.R., Herman, J., Deak, T. & Varlinskaya, E.I. (2017, November). Adolescent stress induces long-lasting increases in social anxiety: A role for basolateral amygdala kappa opioid receptors. Presented at the annual meeting of the Society for Neuroscience, Washington, DC.

Perkins, A.E., Vore, A.S., Varlinskaya, E.I. & Deak, T. (2017, November). Late-aging alters behavioral sensitivity to ethanol in a sex specific manner in Fischer 344 rats. Presented at the annual meeting of the Society for Neuroscience, Washington, DC.

Dannenhoffer, C.A., Varlinskaya, E.I. & Spear, L.P. (2018, June). Adolescent ethanol exposure and alterations in sensitivity to the NMDA receptor antagonist ifenprodil in adult male and female Sprague-Dawley rats. 41st Annual Scientific Meeting of the Research Society on Alcoholism (RSA), San Diego, California.

Hosová, D, E.I. Varlinskaya, E.I. Werner, D. F. Spear, L. P. (2019, June). Social recognition and social discrimination in adult rats following AIE exposure: Impact of exposure timing and sex. 42nd Annual Scientific Meeting of the Research Society on Alcoholism (RSA), Minneapolis, Minnesota.

Mooney, S.M. , Ricketts, D Ho, E., Varlinskaya, E.I. (2019, June). Dendritic morphology of the prefrontal cortex neurons: Impact of age, sex, and acute ethanol exposure on gestational day 12. 42nd Annual Scientific Meeting of the Research Society on Alcoholism (RSA), Minneapolis, Minnesota.

Gore-Langton, J.K., Villarreal, S., Spear, L.P., Varlinskaya, E.I. & Werner, D.F. (2019). Ethanol-induced conditioned taste aversion in adolescent and adult rats: Age-related impact of general anesthetic exposure. 42nd Annual Scientific Meeting of the Research Society on Alcoholism (RSA), Minneapolis, Minnesota.

Toner, T., Varlinskaya, E.I., Werner, D.F., & Spear, L.P. (2019, June). Chronic intermittent ethanol exposure during early adolescence elicits social anxiety-like alterations and enhances social drinking in adulthood. 42nd Annual Scientific Meeting of the Research Society on Alcoholism (RSA), Minneapolis, Minnesota.