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Name: LINDA PATIA SPEAR

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Education:

B.S. degree, 1971, Western Illinois University (Macomb, Illinois)
Major: Psychology; Minors: Zoology and Mathematics
(State of Illinois Congressional Scholarship; Psi Chi
[Psychology Honorary])

M.S. degree, 1973, University of Florida (Gainesville, Florida)
Major: Psychology; Minor: Neuroscience

Ph.D. degree, 1975, University of Florida
Major: Psychology; Minor: Neuroscience
(Phi Beta Kappa, University of Florida Chapter)

Academic Appointments: (*current position in **bold***)

1998-present	SUNY Distinguished Professor, Department of Psychology Binghamton University, SUNY
2011 – present	Director, Developmental Exposure Alcohol Research Center (DEARC)
2009-present	Adjunct Professor, Dept. Psychiatry and Behavioral Sciences Medical University of South Carolina
2000-2003	Chairperson, Department of Psychology Binghamton University, SUNY
1995-2000	Director, Center for Developmental Psychobiology Binghamton University, SUNY
1988-1998	Professor, Department of Psychology Binghamton University, SUNY
1983-1988	Associate Professor, Department of Psychology Binghamton University, SUNY

1976-1983	Assistant Professor, Department of Psychology Binghamton University, SUNY
1975-1976	Post-doctoral work in Department of Neuroscience University of Florida, Gainesville, Florida
1971-1975	Graduate Student Fellow, Center for Neurobiological Sciences, University of Florida, Gainesville, Florida

Honors and Awards:

- Lois B. DeFleur Academic Prize for Academic Achievement, Binghamton University (2018)
- RSA Lifetime Achievement Award, Research Society on Alcoholism (2018)
- Huttenlocher Award, FLUX: The Society for Developmental Cognitive Neuroscience (2017)
- Elsevier Distinguished Lecturer Award, Neurobehavioral Teratology Society (2012)
- Henri Begleiter Excellence in Research Award, Research Society on Alcoholism (2012)
- Springfield High School Hall of Fame Award, Springfield, IL (2008)
- Bowles Lectureship Award, UNC-Chapel Hill, NC (2008)
- 10th Annual Mark Keller Honorary Lecture Award, National Institute on Alcohol Abuse and Alcoholism (NIAAA) (2005)
- Chancellor's Research Recognition Award, State University of New York (2002)
- R37 Merit Award, NIAAA (1999-2009)
- University Award for Excellence in Research, Binghamton University (1999)

Professional Activities:

National Services – NIH

- Member, NIAAA Extramural Advisory Board (EAB), (2004-2012)
- Member, National Advisory Council, NIAAA (2008-2012)
- Member, NIAAA Steering Committee for Underage Drinking Prevention (2004-2007)
- Co-Chairperson, Age 10-15 Task Group of the Underage Drinking Steering Committee
- Member, Expert Advisory Panel on Adolescence, NIAAA Underage Drinking Prevention Team (5/04)
- Study section member:
- NIH Center for Research Resources (1996-2000)
- NIAAA, Alcohol Biomedical Research Review Committee, Neuroscience and Behavior Subcommittee (1990-1994)
- Pharmacology Research Advisory Subcommittee, NIDA Biomedical Review Committee (1985-1989)
- Chairperson, MDCN-1 Special Emphasis Panel (4/00)
- Member, NIH Special Emphasis Panel (12/03)
- Member, NIDA Extramural Scientific Advisory Board (1994-1995)
- Member, Special Review Committee, NIMH (7/86), NIAAA (7/87, 10/87, 11/97, 4/00), NIDA (7/87, 7/88, 7/90, 8/04), ADAMHA Special Projects Review Branch (8/90)
- Member or Chairperson, site visit teams for R01 Applications, NIMH (11/81, 4/02), NIDA (12/86), NIAAA (9/88)
- Member, program project (center) review teams for NIAAA (5/87, 9/87, 3/92, 4/92, 4/95, 5/95, 6/95, 8/00, 5/02), NIDA (7/87), NICHD (10/87, 3/94, 12/95), NIMH (4/99)
- Ad Hoc reviewer:
 - NIDA Pathway to Independence (K99) Review panel (10/07)
 - Chair, NIAAA INIA (Integrative Neuroscience Initiative on Alcoholism) reviews, 5/06, 7/06
 - Chair, NIAAA Special Emphasis Panel to review R21 application (5/02)
 - Chair, NIAAA Special Emphasis Panel to review INIA applications (8/01)
 - NIDA Review Subcommittees (3/01, 7/01 [Chair])

- BDCN-5 Study Section, NICHD (6/98)
- Clinical Neuroscience & Biological Psychopathology Review Committee, NIMH (6/95)
- Mental Retardation Subcommittee, NICHD (3/94)
- National Research Council NSF Fellowship Program (2/89, 2/90)
- Neuroscience and Behavior Subcommittee, NIAAA (6/86, 10/88, 6/93, 10/93, 2/94, 6/94, 9/94)
- Consulting activities:
 - Consultant, Developmental Stress Component, Patient-Reported Outcome Measurement Project, NIH Roadmap, 2010
 - Part of NIAAA delegation to INSERM to explore possible France/US collaborative research interests and endeavors, Paris, France (1/07)
 - Invited participant – NIH Blueprint Neurodevelopment Workshop (11/06)
 - Invited participant – NIDA Workgroup Meeting on Frontal Lobe in Development (6/01)
 - Invited participant/consultant – NIAAA Protocol Review and Extramural Scientific Advisory Board for Neuroscience and Behavior (5/98)
 - Invited consultant for NIDA Planning Group Meeting on "New Animal Models of Drug Abuse" (1/98)
 - Participant, Office of Behavioral and Social Sciences Research (OBSSR) Advisory Meeting (1995) and Strategic Planning Retreat (1996)

Offices and Committee Responsibilities-Professional Organizations(*current appointment/activity in **bold***)

- Flux: The International Congress for Integrative Developmental Cognitive Neuroscience Advisory Committee (2013-14)
- Research Society on Alcoholism
- RSA Nominations Committee (2010)
- RSA Program Committee, Co-Chair (2008-2009)
- RSA Program Committee, (2012)
- College on Problems of Drug Dependence
- Member, Animals in Research Committee (1999-2002); Chairperson (2000-2001)
- American Psychological Association
- Board of Scientific Affairs (2014-)
- Member, Search Committee for Chief Executive Officer (2016)
- Member, Search Committee for Editor of Experimental and Clinical Psychopharmacology (2016)
- Co-Chair, Search committee for Editor of Journal of Experimental Psychology: Animal Behavior Processes (2012)
- Member, Publications & Communications (P&C) Board (2001-07); Chairperson (2005-2007)
- Ad Hoc Representative, APA Finance Committee (2004-2006)
- Member, P&C Book Advisory Sub-Committee (2003-2007)
- Member, P&C Journal Advisory Sub-Committee (2001-2002); Chairperson (2002)
- Editor Search Committee: Psychology of Addictive Behaviors (2007-2008)
- Editor Search Committee: Co-chair, Psychology of Addictive Behaviors (2006-2007)
- Editor Search Committees: Co-Chair, Behavioral Neuroscience (2005-2006);
- Co-Chair, Journal of Experimental Psychology: Learning, Memory, and Cognition (2004-2005)
- Chair, Experimental and Clinical Psychopharmacology (2003-2004);
- Co-Chair, Journal of Experimental Psychology: Animal Behavior Processes (2001-2002)
- P&C Representative to APA Council of Representatives (2004)
- P&C Representative to APA Council of Editors (2001-2002)

- APA Science Directorate Liaison to Society for Neuroscience (1998-2000)
- Committee on Animal Research and Ethics [CARE], Member (1997-1998); Chairperson (1999)
- Neurobehavioral Teratology Society
 - President (1991-1992)
 - Publications Committee (1991-1994; 1998-2002)
 - Nominating Committee (1987-1989); Chairperson (1988-1989)
 - Membership Advisory Committee (1987-1988)
 - Chairperson, Constitution Committee (1985-1986)
 - Finance Committee (1985-87); Chairperson (1986-1987)
 - Councilor (1984-1987)
- International Society for Developmental Psychobiology
 - President (1994-1995)
 - Board member (1988-1992)
 - Historian (1983-1984)
 - Secretary/Treasurer (1980-1983)
- Association of Neuroscience Departments and Programs
 - Councilor (1990-1992)
 - Chair, Survey Committee (1989-1991)
 - Membership Committee (1989)
 - Nominating Committee (1987)
- International Behavioral Neuroscience Society
 - Member, Program Committee (2000-2003)
 - Chair, Fellows/Honorific Awards Committee (1998-1999)
 - Co-chair, Fellows/Honorific Awards Committee (1997-1998)
 - Member of Council as Past-President (1997-1998)
 - President (1995-1996)
 - Secretary (1992-1994)
 - Finance Committee (1992-1994)
- American Society for Pharmacology and Experimental Therapeutics
 - Committee member, Developmental Pharmacology section (1991-1997)
- Winter Conference on Current Issues in Developmental Psychobiology
 - Co-founder (with Byron A. Campbell) in 1986
 - Co-organizer (1986-1988)
 - Steering Committee (1986-1991)
- Central New York Chapter of the Society for Neuroscience
 - President (1989-1991)

Advisory activities: (*current appointment/activity in **bold***)

- The Scripps Research Institute
 - Advisory Board Member, Alcohol Research Center (2006-)**
- Wake Forest University
 - **Program Advisory Committee Member, Translational Studies on Early Life Stress and Vulnerability to Alcoholism (2012-)**
- Medical University of South Carolina

- External Scientific Advisory Board Member, Alcohol Research Center (2011-18)
- University of North Carolina-Chapel Hill
 - External Scientific Advisory Board Member, CAMID (Cocaine affects mother-infant dyads) Program Project (2011-16)
- Oregon Health & Science University
 - External Advisory Group Member (2013-16)
- Yale University School of Medicine
 - External Advisory Board Member, Center for Translational Neuroscience of Alcoholism (2014-16)
- American Association for the Advancement of Science (AAAS)
 - Advisory Board Member, Science Inside Alcohol (2007-2010)

Editorial duties:

- Co-editor (with Marisa Silveri), Special Issue on “The Adolescent Brain” for Neuroscience and Biobehavioral Reviews (2015-16)
- Co-editor (with Edward Levin and Jane Adams), Special Issue on "Exposures during adolescent development: Are neurotoxic risks increased?" for Neurotoxicology and Teratology (2006)
- Co-editor (with Sandra File), Special Issue on "Neurobehavioral Teratology" for Pharmacology, Biochemistry and Behavior (1996)
- Editorial Board, Alcohol (1994-1997)
- Editorial Board, Behavioral Neuroscience (1996-present)**
- Editorial Board, Developmental Psychobiology (1981-1985; 1991-1999)
- Editorial Board, Infant Behavior & Development (1995-2012)
- Editorial Board, Neurotoxicology and Teratology (1991-1994; 1998-2001; 2005-2011)
- Editorial Board, Pharmacology, Biochemistry and Behavior (1994-2015)
- Editorial Board, State University of New York Press (1983-1986)
- Advisory Editor, Blackwell Dictionary of Psychology, Blackwell: Oxford, 1983
- Advisory Editor, The Dictionary of Physiological and Clinical Psychology, Oxford, 1983
- Editorial Board, Neurotoxicology & Teratology (2005-16)

Other miscellaneous professional activities:

- Invited panelist for ACNP 51st Annual Meeting, Hollywood, FL (12/12)
- Invited Keynote Speaker for Developmental Affective Neuroscience Symposium, University of Pittsburgh, PA (9/12)
- Invited speaker for NBTS Conference, Baltimore MD (6/12)
- Commissioned to write a paper on The Biology of Adolescence for the National Academy of Sciences. 2010-2011
- Member, Neuroscience & Public Health Initiative, Johns Hopkins School of Public Health, 2009 - 2013
- Discussant, Healthy Transitions to Adulthood: Moving to Integrated Mental Health Care at the Canada-US Workshop on Youth Mental Health, Washington, DC (11/08).
- Lecturer – The Second Annual “Robert L. Isaacson Lecture” 2007-2008 Dean’s Workshop Series for Psychobiology, Co-Sponsored by the Center for Development and Behavioral Neuroscience, Binghamton University, Binghamton, NY. (02/08).
- Invited symposium speaker at the 2007 ISSAP Conference - Topic: “The developing brain and adolescent-typical behavior patterns: An evolutionary approach”. Montreal, Canada (07/07)
- Co-organizer (with Regina Sullivan), NICHD Symposium, Alcohol and Development: Beyond Fetal Alcohol Syndrome to the International Society for Developmental Psychobiology, Atlanta, GA (10/06).
- Co-organizer (with Susan Barron), Satellite Symposium to the Research Society on Alcoholism annual meeting entitled “Is Adolescence Special? Possible Age-Related Vulnerabilities to Chronic Alcohol and Nicotine Exposure”, Vancouver, Canada (6/04).

- Program Review Committee, University of South Florida, doctoral program in Psychology (4/04).
- Co-organizer (with Ronald Dahl and Ann Kelley), National Academy of Sciences Conference, "Adolescent Brain Development: Vulnerabilities and Opportunities" (9/03).
- Invited keynote speaker at the Vanderbilt University's John F. Kennedy Center for Research on Human Development's Brain Awareness Event, co-sponsored by the Vanderbilt Brain Institute; topic: "Adolescence, Alcohol, and the Brain" (3/03).
- Member, Commission on Children at Risk, administered by Dartmouth Medical School and funded by the YMCA and the Institute for American Values (2002-2003).
- Member, Commission on Adolescent Anxiety Disorders, administered by the Annenberg Sunnylands Trust Foundation in conjunction with the University of Pennsylvania (2002-2004).
- Co-organizer (with Ellen Witt), Satellite Symposium to the Research Society on Alcoholism annual meeting entitled "Neurobiological Mechanisms of Adolescent Alcohol Abuse: New Findings, New Directions", San Francisco (6/02).
- Invited keynote speaker at the 17th Annual University of Scranton Psychology Conference, topic: "Adolescence: Brain, behavior, and vulnerabilities" (2/02).
- Invited organizer and Chair, "Development Influences on Substance Abuse" Symposium, FASEB Summer Research Conference on Substance Abuse, Tucson, Arizona (8/01).
- Invited participant, Satellite Symposium to the American Society of Addiction Medicine annual meeting entitled "Neurobehavioral Aspects of Adolescents: Factors Contributing to Developing Alcoholism", Los Angeles (4/01).
- Member, Biobehavioral Aspects of Adolescent Development (BAAD) Study Group, jointly co-sponsored by the RWJ Reynolds Tobacco Etiology Research Network (TERN) and the
 - (i) Adolescent Planning Group of the MacArthur Foundation Psychopathology and Development Research Network (1999-2004).
- Invited participant, Neurological/Behavioral Workshop Group, Critical Windows of Exposure for Children's Health, sponsored by the Environmental Protection Agency and the March of Dimes (1999).
- Co-organizer (with N.E. Spear), Binghamton Alumni Symposium on Alcohol, Development, Brain and Behavior (1996).
- Co-organizer (with M. Woodruff, N.E. Spear), Satellite Symposium to the International Behavioral Neuroscience Society annual meeting in honor of Robert L. Isaacson entitled "Neurobehavioral Plasticity: Learning, Development & Response to Brain Insults" (1993).
- Reviewer, Research Society on Alcoholism Program Committee (1991).
- Member, peer review evaluation panel, National Center for Toxicological Research (1989).
- Co-chair, Work group on "Comparability of endpoints across species for developmental neurotoxicity", Environmental Protection Agency (1989).
- Session Chair, Sixth International Neurotoxicology Conference (1988).
- Session Chair, International Society for Developmental Psychobiology meetings (1982-1985, 1990, 2000).
- Session Chair, Eastern Psychological Association meetings (1981, 1986).
- Eastern Psychological Association, Subcommittee for Program Selection (1980-1982, 1984, 1985, 1987).
- Selected participant, Soviet-American Conference on the Neurophysiological Mechanisms of Goal-Directed Behavior and Learning (1978).

Ad hoc Reviewer for:

Academic Press, Prentice-Hall, Elsevier Science, Houghton-Mifflin, Holt, Rinehart & Winston
 NSF, NIMH, NIDA, NIAAA, NICHD
 Alcohol
 Alcoholism: Clinical and Experimental Research
 Anatomy and Embryology

Animal Learning and Behavior
 Behavioral and Neural Biology
 Behavioral Brain Research
 Behavioral Neuroscience
 Behavioural Processes
 Biological Psychiatry
 Brain Research
 Brain Research Bulletin
 Czechoslovak Academy of Sciences
 CUNY Research Award Program, SUNY-Binghamton Summer Grant Program
 Current Directions in Psychological Science
 Developmental Brain Research
 Developmental Psychobiology
 Developmental Psychology
 Drug and Alcohol Dependence
 European Journal of Pharmacology
 Experimental and Clinical Psychopharmacology
 Experimental Neurology
 Guggenheim Foundation
 Infant Behavior and Development
 Journal of Comparative Psychology
 Journal of Neuroscience
 Journal of Pharmacology and Experimental Therapeutics
 Journal of Psychobiology
 Learning & Memory
 Life Sciences
 March of Dimes, Fentress Memorial Trust, Whitehall Foundation, State of Louisiana
 Board of Regents Grants, Thomas F. and Kate Miller Jeffress Memorial Trust, etc.
 Mental Retardation and Developmental Disabilities Research Reviews
 National Center for Toxicological Research
 Neurobehavioral Toxicology and Teratology (now Neurotoxicology and Teratology)
 Neuroparmacology
 Neuropsychopharmacology
 Neuroscience and Biobehavioral Reviews
 Neurotoxicology
 New York Academy of Sciences
 Pediatric Research
 Pharmacology, Biochemistry and Behavior
 Physiology and Behavior
 Progress in Neuro-Psychopharmacology & Biological Psychiatry
 Psychological Reports
 Psychoneuroendocrinology
 Psychopharmacology
 Research Council of Canada
 Science
 Teratology
 Toxicology In Vitro
 Veterans Administration

Member:

International:

International Behavioral Neuroscience Society (**Fellow**)
International Society for Developmental Psychobiology
International Brain Research Organization/World Federation of Neuroscientists
International Dose-Response Society

National:

American Association for the Advancement of Science (AAAS) (**Fellow**)
Society for Neuroscience
Neurobehavioral Teratology Society
American Psychological Association (**Fellow, Divisions 3, 6, 28, 47**)
College on Problems of Drug Dependence (CPDD) (elected membership)
Research Society on Alcoholism
American Psychological Society (**Fellow**)
Organization for the Study of Sex Differences
Flux Society: The International Congress for Integrative Developmental Cognitive Neuroscience

Research Grants - National:

Current Funding:

NIAAA-Grant U01 AA019972. Neurobiology of Adolescent Drinking in Adulthood (NADIA). Impact of adolescent intermittent ethanol on adult social reward and anxiety. P.I. \$1,358,235 (total overall direct), 09/05/10-08/31/2020.
NIAAA-Grant 2P50 AA017823. Developmental Exposure Alcohol Research Center, Scientific Director; Co-I, Administrative Core; PI, Project IV, \$1,650,586 (total overall direct), 09/01/2014-08/31/2019. (Total Project Period 9/1/2009-8/31/2019).
NIAAA – Grant 1T32AA025606-01 Development and Neuroadaptations in Alcohol and Addiction. Co-Director, \$1,626,475 (total overall direct), 06/01/17-05/31/2022.

Past Funding:

-Grant R01 AA018026. Acute and Chronic Tolerance to Ethanol in Adolescence: Impact on Consumption, P.I., \$1,125,000 (direct), 9/30/08-8/31/2015
-Grant R01 AA017355, Adolescence, Puberty and Sex Differences: Ethanol Intake, Sensitivity and Stress, P.I., \$1,125,000(direct), 9/29/07-05/31/14
-Grant P30 AA019367. Faculty recruitment for alcohol researcher, Binghamton University. P.I., \$597,312 (direct), 9/30/2009-8/31/2013
-Grant R31AA021042. Age differences in ethanol discrimination: role of GABA-A and NMDA receptors. Predoctoral NRSA to Rachel I. Anderson (faculty sponsor: L.Spear), \$61,130 (direct), 09/01/11-02/28/13
-Grant R01 AA016887. Ethanol-Induced Social Facilitation in Adolescence: Social and Ethanol Reward, P.I., \$1,254,935 (direct), 2/15/07-1/31/13.
-Grant R01 AA12453. Ethanol and Social Interactions in Adolescent Rats, Co-I., \$750,000 (direct), 04/1/07-3/31/2013.
-Grant R37 AA12525. (MERIT AWARD). Adolescent Alcohol Adaptation: Tolerance & Stress, P.I., \$1,001,914 (direct), 9/30/99-8/31/10.
-Grant R01 DA019071. Adolescence: Natural Incentives, Motivation and Affect, P.I., \$1,025,000 (direct), 9/30/04-8/31/10.
- Grant F31 AA16048. NRSA for Robert Ristuccia, P.I., 1/1/06-12/31/07.
-Grant R01 AA12150. Alcohol and Stress in Adolescence, P.I., \$733,643 (direct), 9/30/99-8/31/05.
-Grant R01 DA04478. Neurobehavioral Teratogenic Investigations of Cocaine, P.I., \$575,546 (direct), 3/15/95-1/31/01.

- Grant R01 AA10228. Ontogeny of Ethanol Responsivity, P. I., \$583,416 (direct), 12/01/94-11/30/00.
- Grant K02 DA00140. (Research Scientist Development Award). Neurobehavioral Teratogenic Studies of Cocaine, approx. \$495,000 (direct), 3/15/95-2/29/00.
- Grant F31 DA05621. (Predoctoral fellowship for Robin Wood). Prenatal Cocaine and Social Behaviors Over Ontogeny, sponsor, \$19,512 (direct), 8/29/94-1/28/96.
- Grant 1 S15 DK49174. NIH Small Instrumentation Program, co-P.I. with N.E. Spear and D.W. McGee, \$14,292 (direct), 8/1/94-7/31/95.
- Grant R01 DA04478. Neurobehavioral Teratogenic Investigations of Cocaine, P.I., \$456,965 (direct), 9/1/89-3/14/95.
- Grant R01 AA06634. Consequences of Acute Ethanol Exposure During Ontogeny, co-P.I. with N.E.Spear, \$281,212 (direct), 2/1/92-1/31/95.
- Grant K02 DA00140. (Research Career Development Award, level 2). Neurobehavioral Teratogenic Studies of Cocaine, approx. \$378,644 (direct), 9/1/89-8/31/94.
- Grant F31 DA05548. (Predoctoral fellowship for Gregory Goodwin). Prenatal Cocaine and Learning Dependent Neural Changes, sponsor, \$11,800 (direct), 7/12/93-7/11/94.
- Grant F31 DA05511. (Predoctoral fellowship for Charles Heyser). Effects of Prenatal Cocaine on Adult Offspring Behavior, sponsor, \$23,600 (direct), 10/1/91-9/30/93.
- Grant 1 S15 MH50826. ADAMHA Small Instrumentation Program, co-P.I. with N.E. Spear and R.R. Miller, \$23,309 (direct), 9/30/92-8/31/93.
- Grant R01 AA06634. Consequences of Acute Ethanol Exposure During Ontogeny, co-P.I. with N.E. Spear, \$186,170 (direct), 4/1/88-3/31/92.
- Grant R13 HD26304. 23rd Annual meeting of the Society for Developmental Psychobiology (conference grant). Co-P.I. with W.P. Smotherman, \$21,850 (direct), 12/1/89-11/20/90.
- Grant R01 DA0447801. Neurobehavioral Teratogenic Investigations of Cocaine, P.I., \$129,222 (direct), 9/1/87-8/31/89.
- Grant R01 MH35701. Psychopharmacological Analysis of Behavioral Ontogeny, P.I., \$86,520 (direct), 9/28/82-5/31/86.
- Grant R01 MH33215-01. Periadolescent Psychopharmacological Responsiveness, P.I., \$29,360 (direct), 9/1/79-2/28/82.
- Grant R03 MH29834-01. Developmental Effects of Chronic Haloperidol, P.I., \$7,144 (direct), 11/30/76-11/30/77.

Research Grants - Local:

SUNY Research Foundation:

- Ontogenetic Variation in Psychopharmacological Responsiveness, P.I. \$3,400, 1/1/79-12/31/80.
- Chronic Administration of Haloperidol During Development, P.I., \$1,700, 1/1/77-2/31/77.

Biomedical Research Support Grants:

- Serotonergic Mechanisms in Suckling and Its Decline, P.I., \$5,100, 6/1/86-7/31/87.
- Psychopharmacological and Neurochemical Studies of Suckling Behavior and Other Age-Specific Behaviors of Infancy, P.I., \$2,710, 5/1/82-4/30/83.
- Purchase of a Microcomputer to Aid in Studies of Early Behavioral Responses to Psychoactive Drugs, P.I., \$2,825, 1980-1981.
- Receptor Binding as an Approach to Examine Receptor Sensitivity, P.I., \$1,950, 12/15/77-3/15/80.

SUNY-Binghamton Faculty Summer Research Support Grants:

- Cannulation of Drugs into Specific Brain Regions in Neonatal Rats Using Stereotaxic Placement Techniques, P.I., \$2,775, 5/1/82-9/30/82.

University and Departmental Services - Partial Listing Only (current activity in **bold**)

Central Administration (Albany):

- Member, Empire Innovation Program Advisory Committee (2007)
- Recipient, Chancellor's Research Recognition Award (2002)
- SUNY-wide Chancellor's Committee on Animal Use and Welfare (1989-1992)
- Sponsored Programs Advisory Council of the SUNY Research Foundation (1984-1991)

University:

- Member, Search Committee for Dean of Harpur College (2016-17)
- Member, Search Committee for Chair of the Department of Pharmaceutical Sciences (2015)
- Member, Search Committee for Psych Mental Health Tenure Track Position (2015)
- Member, Distinguished Professor Advisory Committee (2014-)**
- Member, Harpur Distinguished Leadership Council (2013-15)
- Member, Health Sciences Steering Committee (2013-2017)
- Member, Institutional Animal Care and Use Committee (IACUC) (7/2009-)**
- Member, Senior Initiating Personnel Committee (2015)
- Member, Radiation Safety Committee (2013-15)
- Member, Search Committee for Associate Director for Alcohol and Other Drug (AOD) Programs and Services (2012-2013)
- President's Honorary Degree Advisory Committee (1999-2007)
- Member, University Emergency Power Review Team (2005)
- Chairperson, Search Committee for attending veterinarian (2005)
- Chairperson, Institutional Animal Care and Use Committee (IACUC) (2004-2005)
- Search and Screening Committee, Vice-President of Research (2003-04)
- Member, University Building Access Team (2003-2004)
- Symposium Panelist, "Destination Discovery: Unleashing Your Research Potential" (2003)
- Council/Foundation Award Committee (1999)
- Recipient, University Award for Excellence in Research (1999)
- Dean's Lecture Series Committee (1997-1998)
- Dean's Committee on Establishing Honors College for Arts and Sciences (1997)
- Chairperson, Committee for Scholarship and Research, Graduate Council (1995-1996)
- Chairperson, Advisory Committee for Scholarship and Research (ACSR) (1995-1996)
- Committee for Scholarship and Research, Graduate Council (1994-1996)
- Chairperson, Search Committee for Provost and Vice-President for Academic Affairs (1992-1993)
- Faculty Co-Chair, President's Task Force on Institutional Strategic Planning (1991-1992)
- Chairperson, Nominating Committee, Graduate Council (1990)
- Vice Chairperson, Graduate Council (Spring, 1990)
- Graduate Council (1988-1990; 1994-1997)
- Procedures Committee, Graduate Council (1988-1990); Chairperson (1990)
- Committee on Committees, Graduate Council (1988-1990)
- University Commencement Committee (1988)
- Moderator, 1988 Presidential Retreat on Diversity
- Curriculum Development Grant Review Committee (1988)
- Faculty Fellow, College-in-the-Woods (1987-1990)
- Chairperson, IACUC (1987-1993)
- Associate Director, Center for Developmental Psychobiology (1986-1994); Director (1995-2000)
- Search Committee, Vice-Provost for Graduate Studies and Research (1986-1987)
- Science & Math panel, Distinguished Dissertation Award Committee (1985)
- Selection Committee, Chancellor's Awards for Excellence in Teaching (1985-1986)

- Chairperson, EPPC (1985-1986)
- Educational Policies and Priorities Committee (EPPC) (1984-1986)
- Coordinator, Freshman Integrated Semester Program in the Sciences (1984-1987)
- Faculty Master, College-in-the-Woods (1984-1987) (this half-time position involved serving as administrative head of a Residential College of approximately 1100 students, 45 staff members and 16 faculty fellows)
- Committee on Organized and Sponsored Research (1982-1983)
- Chairperson, Science & Math panel of Research Semester Competition Review Committee (1982)
- Biomedical Research Support Grant Review Committee (1978-1983)
- Radioactivity Safety Control Committee (1978-1980)
- Institutional Committee on Laboratory Animal Care (IACUC) (1978-2000)

Department:

- **Chair, Department Resource Committee (2016 – present)**
- Undergraduate Committee (1976-1983; 1990-2016)
- Review Committee for Psychology Department JPC; SPC (2007-present)**
- Co-Chair, Behavioral Neuroscience Faculty Search Committee (2004-2005)
- Graduate Committee (2000-2003)
- Chairperson, Department of Psychology (2000-2003)
- Coordinator, Graduate Program in Behavioral Neuroscience (1998-2000)
- Faculty Advisor, Psi Chi [Psychology National Honor Society] (1996-1997)
- Director, Center for Developmental Psychobiology [CDP] (1995-2000)
- Clinical Faculty Search Committee (1983-1984, 1986-1987)
- Executive Committee (1980-1983, 2000-2003)
- Future Directions Committee (1980-1983)
- Director, Undergraduate Program (1980-1983)
- Psychobiology Faculty Search Committee (1978-1979, 1981-1982, 1982-1983, 1984-85, 1987-88; 1989-1990)
- Chairman, Non-tenured Faculty Caucus (1978-1979, 1982-1983)
- Faculty Advisor, Undergraduate Psychology Club (1978-1980)

Publications: (work completed prior to June, 1977 was published under the name of L. Lanier)

* indicates graduate student co-author; ** indicates undergraduate student co-author.

1. Lanier, L. P., Petit, T. L., & Isaacson, R. L. (1974). Protection against effects of brain damage by catecholamine depletion is test dependent. *Brain Research*, 82: 374-377.
2. Lanier, L. P. & Isaacson, R. L. (1975). Activity changes related to the location of lesions in the hippocampus. *Behavioral Biology*, 13: 56-69.
3. Lanier, L. P., Petit, T. L., & Zornetzer, S. F. (1975). Discrete anterior medial thalamic lesions in the mouse: The production of acute postoperative hyperactivity and death. *Brain Research*, 91: 133-139.
4. Lanier, L. P., Van Hartesveldt, C., Weis, B. J., & Isaacson, R. L. (1975). Effects of differential hippocampal damage upon rhythmic and stress-induced corticosterone secretion in the rat. *Neuroendocrinology*, 18: 154-160.
5. Lanier, L. P., Dunn, A. J., & Van Hartesveldt, C. (1976). Development of neurotransmitters and their function in brain. In S. Ehrenpreis & I. J. Kopin (Eds.), *Reviews of Neuroscience*, Vol. 2, (pp. 95-256). New York: Raven Press.

6. Lanier, L. P. & Isaacson, R. L. (1977). Early developmental changes in the locomotor response to amphetamine and their relation to hippocampal function. *Brain Research*, 126: 567-575.
7. Isaacson, R. L., Fish, B. S., Lanier, L. P., & Dunn, A. J. (1977). Serotonin reduction early in life and its effects on behavior. *Life Sciences*, 21: 213-222.
8. Spear, L. P. (1979). The use of psychopharmacological procedures to analyze the ontogeny of learning and retention: Issues and concerns. In N. E. Spear & B. A. Campbell (Eds.), *Ontogeny of Learning and Memory* (pp. 135-156). Hillsdale, NJ: Lawrence Erlbaum Associates.
9. Spear, L. P. & Brick*, J. (1979). Cocaine-induced behavior in the developing rat. *Behavioral and Neural Biology*, 26: 401-415.
10. Smith*, G. J., Spear, L. P., & Spear, N. E. (1979). Ontogeny of cholinergic mediation of behaviors in the rat. *Journal of Comparative and Physiological Psychology*, 93: 636-647. PMID: 479401
11. Infurna*, R. N. & Spear, L. P. (1979). Developmental changes in amphetamine-induced taste aversions. *Pharmacology, Biochemistry and Behavior*, 11: 31-35. PMID: 493297
12. Spear, L. P., Shalaby*, I. A., & Brick*, J. (1980). Chronic administration of haloperidol during development: Behavioral and psychopharmacological effects. *Psychopharmacology*, 70: 47-58. PMID: 6775334
13. Spear, L. P. (1980). A psychopharmacological approach to memory processing. In R. F. Thompson, L. H. Hicks, & V. B. Shyrkov (Eds.), *Neural Mechanisms of Goal-Directed Behavior and Learning* (pp. 425-435). New York: Academic Press. (Also published in Russian under Editorship of V.B. Shyrkov.)
14. Caza*, P. A. & Spear, L. P. (1980). Ontogenesis of morphine-induced behavior in the rat. *Pharmacology, Biochemistry and Behavior*, 13: 45-50. PMID: 7190709
15. Shalaby*, I. A. & Spear, L. P. (1980). Psychopharmacological effects of low and high doses of apomorphine during ontogeny. *European Journal of Pharmacology*, 67: 451-459. PMID: 7192634
16. Shalaby*, I. A. & Spear, L. P. (1980). Chronic administration of haloperidol during development: Later psychopharmacological responses to apomorphine and arecoline. *Pharmacology, Biochemistry and Behavior*, 13: 685-690. PMID: 7192405
17. Shalaby*, I. A., Dendel, P. S., & Spear, L. P. (1981). Differential functional ontogeny of dopamine presynaptic receptor regulation. *Developmental Brain Research*, 1: 434-439. PMID: 7260651
18. Spear, L. P. & Ristine*, L. A. (1981). Quipazine-induced behavior in neonatal rat pups. *Pharmacology, Biochemistry and Behavior*, 14: 831-834. PMID: 7255519
19. Spear, L. P., Horowitz, G. P., & Lipovsky**, J. (1982). Altered behavioral responsivity to morphine during the periadolescent period in rats. *Behavioural Brain Research*, 4: 279-288. doi: 10.1016/0166-4328(82)90005-5. PMID: 6277348
20. Spear, L. P. & Ristine*, L. A. (1982). Suckling behavior in neonatal rats: Psychopharmacological investigations. *Journal of Comparative and Physiological Psychology*, 96: 244-255. PMID:

21. Smith*, G. J., Spear, L. P., & Spear, N.E. (1982). Detection of cholinergic mediation of behavior in 7-, 9-, and 12-day old rat pups. *Pharmacology, Biochemistry and Behavior*, 16: 805-809. doi: 10.1016/0091-3057(82)90239-8. PMID: 7089037
22. Caza*, P. A. & Spear, L. P. (1982). Pharmacological manipulation of milk-induced behaviors in three-day old rat pups. *Pharmacology, Biochemistry and Behavior*, 16: 481-486. PMID: 6123119
23. Barrett*, B. A., Caza*, P., Spear, N. E., & Spear, L. P. (1982). Wall climbing, odors from the home nest and catecholaminergic activity in rat pups. *Physiology and Behavior*, 29: 501-507. PMID: 6891075
24. Spear, L. P. & Brake, S. C. (1983). Periadolescence: Age-dependent behavior and psychopharmacological responsivity in rats. *Developmental Psychobiology*, 16: 83-109. PMID: 6339302 PMID: 6891075
25. Spear, L. P. (1983). Invited comment on: W. Bray & C. Dollery, Coca chewing and high-altitude stress: A spurious correlation. *Current Anthropology*, 24, 278-279.
26. Spear, L. P. (1984). Age at the time of testing reconsidered in neurobehavioral teratological research. In J. Yanai (Ed.), *Neurobehavioral Teratology* (pp. 315-328). Amsterdam: Elsevier Biomedical Press.
27. Isaacson, R. L. & Spear, L. P. (1984). A new perspective for the interpretation of early brain damage. In C. R. Almli & S. Finger (Eds.), *Early Brain Damage, Vol. 2: Neurobiology and Behavior* (pp. 73-98). New York: Academic Press.
28. Barrett*, B. A., Rizzo*, T., Spear, N. E., & Spear, L. P. (1984). Stimulus selection in passive avoidance learning and retention: Weanling, periadolescent, and young adult rats. *Behavioral and Neural Biology*, 42: 23-32. PMID: 6508690
29. Ristine*, L. A. & Spear, L. P. (1984). Effects of serotonergic and cholinergic antagonists on suckling behavior of neonatal, infant and weanling rat pups. *Behavioral and Neural Biology*, 41: 99-126. PMID: 6487222
30. Molina, J. C., Moyano, H. F., Spear, L. P., & Spear, N. E. (1984). Acute alcohol exposure during gestational day 8 in the rat: Effects upon physical and behavioral parameters. *Alcohol*, 1: 459-464. PMID: 6543578
31. Spear, L. P. & Scalzo*, F. M. (1985). Ontogenetic alterations in the effects of food and/or maternal deprivation on 5-HT, 5-HIAA and 5-HIAA/5-HT ratios. *Developmental Brain Research*, 18: 143-157. PMID: 2580603
32. Ristine*, L. A. & Spear, L. P. (1985). Is there a "serotonergic syndrome" in neonatal rat pups? *Pharmacology, Biochemistry and Behavior*, 22: 265-269. doi: 10.1016/0091-3057(85)90389-2. PMID: 2858868
33. Emerich*, D. F., Scalzo*, F. M., Enters*, E. K., Spear, N. E., & Spear, L. P. (1985). Effects of 6-hydroxydopamine-induced catecholamine depletion on shock-precipitated wall climbing of infant rat pups. *Developmental Psychobiology*, 18: 215-227. PMID: 3921418

34. Scalzo*, F. M. & Spear, L. P. (1985). Chronic haloperidol during development attenuates dopamine autoreceptor function in striatal and mesolimbic brain regions of young and older adult rats. *Psychopharmacology*, 85: 271-276. PMID: 3923514
35. Spear, L. P., Enters*, E. K., Aswad**, M. A. & Louzan**, M. (1985). Drug and environmentally-induced manipulations of the opiate and serotonergic systems alter nociception in neonatal rat pups. *Behavioral and Neural Biology*, 44: 1-22. PMID: 3841749
36. Molina, J. C., Serwatka*, J., Spear, L. P., & Spear, N. E. (1985). Differential ethanol olfactory experiences affect ethanol ingestion in preweanlings but not in older rats. *Behavioral and Neural Biology*, 44: 90-100. PMID: 3834925
37. Spear, L. P., Enters*, E. K., & Linville*, D. G. (1985). Age-specific behaviors as tools for examining teratogen-induced neural alterations. *Neurobehavioral Toxicology and Teratology*, 7: 691-695. PMID: 3835468
38. Spear, L. P. & Scalzo*, F. M. (1986). Behavioral, psychopharmacological, and neurochemical effects of chronic neuroleptic treatment during development. In E. P. Riley & C. V. Vorhees (Eds.), *Handbook of Behavioral Teratology* (pp. 173-184). New York: Plenum.
39. Spear, L. P., Penson**, J., & Linville*, D. G. (1986). GABA and behavioral inhibition in the neonatal rat pup. *Psychopharmacology*, 90: 106-111. PMID: 3094052
40. Molina, J. C., Hoffmann*, H., Spear, L. P., & Spear, N. E. (1987). Sensorimotor maturation and alcohol responsiveness in rats prenatally exposed to alcohol during gestational Day 8. *Neurotoxicology and Teratology*, 9: 121-128. PMID: 3657747
41. Molina, J. C., Serwatka*, J., Enters*, E. K., Spear, L. P., & Spear, N. E. (1987). Acute alcohol intoxication disrupts brightness but not olfactory conditioning in pre-weanling rats. *Behavioral Neuroscience*, 101: 846-854. doi: 10.1037/0735-7044.101.6.846
42. Spear, L. P. (1987). Drug-vulnerable events in neuronal development: Implications for the selection of test methodologies. In D. P. Friedman & D. H. Clouet (Eds.), *NIDA Research Monograph 78: Neural Adaptation in Response to Intrinsic and Extrinsic Factors: Role in Drug Abuse* (pp. 30-44).
43. Linville*, D. G. & Spear, L. P. (1988). Cholinergic influences on wall climbing and its ontogenetic decline. *Psychopharmacology*, 95: 200-207. PMID: 3137598
44. Enters*, E. K. & Spear, L. P. (1988). Serotonergic and opiate interactions in the modulation of drug- and environmental-induced analgesia in the neonatal rat pup. *Behavioral and Neural Biology*, 50: 80-97. PMID: 2840888
45. Kirstein*, C. L. & Spear, L. P. (1988). 5-HT_{1a}, 5-HT_{1b} and 5-HT₂ receptor agonists induce differential behavioral responses in neonatal rat pups. *European Journal of Pharmacology*, 150: 339-345. PMID: 2970973
46. Enters*, E. K. & Spear, L. P. (1988). Ontogenetic transitions in the psychopharmacological response to serotonergic manipulations. *Psychopharmacology*, 96: 161-168. PMID: 3148141
47. Spear, L. P., Kirstein*, C. L., & Frambes*, N. A. (1989). Cocaine effects on the developing central nervous system: Behavioral, psychopharmacological, and neurochemical studies. *Annals of the*

48. Specht*, S. M. & Spear, L. P. (1989). Histamine-elicited drinking in weanling and adult rats. *Physiology and Behavior*, 45: 63-70. PMID: 2727143
49. Spear, L. P., Kirstein*, C. L., Bell**, J., Yoottanasumpun**, V., Greenbaum**, R., O'Shea**, J., Hoffmann*, H., & Spear, N. E. (1989). Effects of prenatal cocaine exposure on behavior during the early postnatal period. *Neurotoxicology and Teratology*, 11: 57-63. Doi: 10.1016/0892-0362(89)90086-X. PMID: 2725442
50. Spear, L. P., Frambes*, N. A., & Kirstein*, C. L. (1989). Fetal and maternal brain and plasma levels of cocaine and benzoylecgonine following chronic subcutaneous administration of cocaine during gestation in rats. *Psychopharmacology*, 97: 427-431. PMID: 2498938
51. Spear, L. P., Specht*, S. M., Kirstein*, C. L., & Kuhn, C. M. (1989). Anterior and posterior, but not cheek, intraoral cannulation procedures elevate serum corticosterone levels in neonatal rat pups. *Developmental Psychobiology*, 22: 401-411. PMID: 2721821
52. Kirstein*, C. L., Traber, J., Gispen, W. H., & Spear, L. P. (1990). ACTH-induced behaviors and their modulation by serotonergic agonists differ in neonatal and weanling rat pups. *Psychopharmacology*, 100: 151-158. PMID: 2154832
53. Enters*, E. K., Specht*, S. M., & Spear, L. P. (1990). Injection of 5, 7-Dihydroxytryptamine into the B3 raphe region of neonatal rat pups induces hyperalgesia but only slight alterations in ingestion-related behaviors. *Behavioral and Neural Biology*, 53: 244-257. PMID: 1691912
54. Spear, L. P., Kirstein*, C. L., Frambes*, N. A., & Moody*, C.A. (1990). Neurobehavioral teratogenicity of gestational cocaine exposure. NIDA Research Monograph 95: Problems of Drug Dependence, 1989 (pp. 232-238).
55. Stanton, M. E. & Spear, L. P. (1990). Workshop on the qualitative and quantitative comparability of human and animal developmental neurotoxicity, Work Group I report: Comparability of measures of developmental neurotoxicity in humans and laboratory animals. *Neurotoxicology and Teratology*, 12: 261-267. doi: 10.1016/0892-0362(90)90097-V. PMID: 2115099
56. Spear, L. P. (1990). Neurobehavioral assessment during the early postnatal period. *Neurotoxicology and Teratology*, 12: 489-495. PMID: 2247037
57. Frambes*, N. A., Kirstein*, C. L., Moody*, C. A., & Spear, L. P. (1990). 5-HT_{1a}, 5-HT_{1b} and 5-HT₂ receptor agonists induce differential behavioral responses in preweanling rat pups. *European Journal of Pharmacology*, 182: 9-17. doi: 10.1016/0014-2999(90)90488-R. PMID: 2144825
58. Heyser*, C. J., Chen*, W. J., Miller, J., Spear, N. E., & Spear, L. P. (1990). Prenatal cocaine exposure induces deficits in Pavlovian conditioning and sensory preconditioning among infant rat pups. *Behavioral Neuroscience*, 104: 955-963. doi: 10.1037/0735-7044.104.6.955. PMID: 2285493
59. Scalzo, F. M., Ali, S. F., Frambes*, N. A., & Spear, L. P. (1990). Weanling rats exposed prenatally to cocaine exhibit an increase in striatal D2 dopamine binding associated with an increase in ligand affinity. *Pharmacology, Biochemistry and Behavior*, 37: 371-373. doi: 10.1016/0091-3057(90)90350-Q. PMID: 2150444

60. Hunt*, P. S., Molina, J. C., Spear, L. P., & Spear, N. E. (1990). Ethanol-mediated taste aversions and state dependency in preweanling (16-day-old) rats. *Behavioral and Neural Biology*, 54: 300-322. PMID: 2078162
61. Clow, D. W., Hammer Jr., R. P., Kirstein*, C. L., & Spear L. P. (1991). Gestational cocaine exposure increases opiate receptor binding in weanling offspring. *Developmental Brain Research*, 59: 179-185. PMID: 1655306
62. Spear, L. P., Frambes*, N. A., & Goodwin*, G. (1991). Low doses of the 5-HT_{1a} receptor agonist 8-OH-DPAT increase ingestive behavior in late preweanling and postweanling, but not neonatal rat pups. *European Journal of Pharmacology*, 203: 9-15. doi: 10.1016/0014-2999(91)90784-N. PMID: 1839148
63. Rajachandran*, L., Goodwin*, G. A., & Spear, L. P. (1991). Psychopharmacological effects of MK-801 in infant and preweanling rat pups. *Pharmacology, Biochemistry and Behavior*, 40: 291-295. doi: 10.1016/0091-3057(91)90555-G. PMID: 1805233
64. Hammer Jr., R. P., Clow, D. W., & Spear, L. P. (1991). Opioid involvement in the rewarding effects of chronic cocaine. NIDA Research Monograph 105: Problems of Drug Dependence, 1990, (pp. 182-188).
65. Hunt*, P. S., Spear, L. P., & Spear, N. E. (1991). An ontogenetic comparison of ethanol-mediated taste aversion learning and ethanol-induced hypothermia in preweanling rats. *Behavioral Neuroscience*, 105: 971-983. doi: 10.1037/0735-7044.105.6.971 PMID: 1777109
66. Chen*, W. J., Lariviere*, N. A., Heyser*, C. J., Spear, L. P., & Spear, N. E. (1991). Age-related differences in sensory conditioning in rats. *Developmental Psychobiology*, 24: 307-325. PMID: 1752352
67. Akbari*, H. M., Kramer*, H. K., Whitaker-Azmitia, P. M., Spear, L. P., & Azmitia, E. C. (1992). Prenatal cocaine exposure disrupts the development of the serotonergic system. *Brain Research*, 572: 57-63. doi: 10.1016/0006-8993(92)90450-N. PMID: 1535274
68. Moody*, C. A. & Spear, L. P. (1992). Ontogenetic differences in the psychopharmacological responses to separate and combined stimulation of D1 and D2 dopamine receptors during the neonatal to weanling age period. *Psychopharmacology*, 106: 161-168. PMID: 1347951
69. Moody*, C. A. & Spear, L. P. (1992). Effects of acute dopamine depletion on responsiveness to D₁ and D₂ receptor agonists in infant and weanling rat pups. *Psychopharmacology*, 107: 39-49. PMID: 1350350
70. Spear, L. P. & Heyser*, C. J. (1992). Cocaine and the developing nervous system: Laboratory findings. In T. A. Slotkin & I. S. Zagon (Eds.), *Maternal Substance Abuse and the Developing Nervous System* (pp. 155-175). Orlando, Florida: Academic Press.
71. Heyser*, C. J., Miller, J. S., Spear, N. E., & Spear, L. P. (1992). Prenatal exposure to cocaine disrupts cocaine-induced conditioned place preference in rats. *Neurotoxicology and Teratology*, 14: 57- 64. PMID: 1593980
72. Chen*, W. J., Spear, L. P., & Spear, N. E. (1992). Enhancement of sensory preconditioning by a moderate dose of ethanol in infant and juvenile rats. *Behavioral and Neural Biology*, 57: 44-57. PMID: 1567333

73. Heyser*, C. J., Goodwin*, G. A., Moody*, C. A., & Spear, L. P. (1992). Prenatal cocaine exposure attenuates cocaine-induced odor preference in infant rats. *Pharmacology, Biochemistry and Behavior*, 42: 169-173. PMID: 1593980
74. Minabe, Y., Ashby Jr., C. R., Heyser*, C., Spear, L. P., & Wang, R. Y. (1992). The effects of prenatal cocaine exposure on spontaneously active midbrain dopamine neurons in adult male offspring: An electrophysiological study. *Brain Research*, 586: 152-156. doi: 10.1016/0006-8993(92)91387-T. PMID: 1511345
75. Eilam, D., Szechtman, H., & Spear, L. P. (1992). Quinpirole alters quadruped activity in rats from the second postnatal week. *Developmental Psychobiology*, 25: 275-289. PMID: 1352505
76. Moody*, C. A., Frambes*, N. A., & Spear, L. P. (1992). Psychopharmacological responsiveness to the dopamine agonist quinpirole in normal weanlings and in weanling offspring exposed gestationally to cocaine. *Psychopharmacology*, 108: 256-262. PMID: 1355920
77. Heyser*, C. J., Spear, N. E., & Spear, L. P. (1992). Effects of prenatal exposure to cocaine on conditional discrimination learning in adult rats. *Behavioral Neuroscience*, 106: 837-845. doi: 10.1037/0735-7044.106.5.837. PMID: 1445659
78. Zigmond, M. J. & Spear, L. P. (1992). Neuroscience training in the USA and Canada: Observations and suggestions. *Trends in Neuroscience*, 15: 379-383. doi: 10.1016/0166-2236(92)90183-9. PMID: 1279858
79. Heyser*, C. J., Molina, V. A., & Spear, L. P. (1992). A fostering study of the effects of prenatal cocaine exposure: I. Maternal behaviors. *Neurotoxicology and Teratology*, 14: 415-421. PMID: 1488036
80. Goodwin*, G. A., Heyser*, C. J., Moody*, C. A., Rajachandran*, L., Molina, V. A., Arnold*, H. M., McKinzie*, D. L., Spear, N. E., & Spear, L. P. (1992). A fostering study of the effects of prenatal cocaine exposure: II. Offspring behavioral measures. *Neurotoxicology and Teratology*, 14: 423-432. PMID: 1488037
81. Smotherman, W. P., Moody*, C. A., Spear, L. P., & Robinson, S. R. (1993). Fetal behavior and the endogenous opioid system: D1 dopamine receptor interactions with the kappa opioid system. *Physiology and Behavior*, 53: 191-197. PMID: 8381974
82. Robinson, S. R., Moody*, C. A., Spear, L. P., & Smotherman, W. P. (1993). Effects of dopamine and kappa opioid receptors on fetal responsiveness to perioral stimuli. *Developmental Psychobiology*, 26: 37-50. PMID: 8382637
83. Hunt*, P. S., Molina, J. C., Rajachandran*, L., Spear, L. P., & Spear, N. E. (1993). Chronic administration of alcohol in the developing rat: Expression of functional tolerance and alcohol olfactory aversions. *Behavioral and Neural Biology*, 59: 87-99. PMID: 8476387
84. Spear, L. P. & Heyser*, C. J. (1993). Is use of a cellulose-diluted diet a viable alternative to pair-feeding? *Neurotoxicology and Teratology*, 15: 85-89. doi: 10.1016/0892-0362(93)90066-W. PMID: 8510611
85. Moody*, C. A., Robinson, S. R., Spear, L. P., & Smotherman, W. P. (1993). Fetal behavior and the

dopamine system: Activity effects of D₁ and D₂ receptor manipulations. *Pharmacology, Biochemistry and Behavior*, 44: 843-850. PMID: 8097042

86. Hunt*, P. S., Kraebel*, K. S., Rabine**, H., Spear, L. P., & Spear, N. E. (1993). Enhanced ethanol intake in preweanling rats following exposure to ethanol in a nursing context. *Developmental Psychobiology*, 26: 133-153. PMID: 8314435
87. Chen*, W. J., Spear, L. P., & Spear, N. E. (1993). Disruptive influence of norepinephrine depletion on sensory preconditioning, but not first-order conditioning, in preweanling rats. *Behavioral and Neural Biology*, 60: 110-117. PMID: 7509594
88. Spear, L. P. (1993). Missing pieces of the puzzle complicate conclusions about cocaine's neurobehavioral toxicity in clinical populations: Importance of animal models. (Commentary on article by Donald E. Hutchings entitled "The Puzzle of Cocaine's Effects Following Maternal Use During Pregnancy: Are There Reconcilable Differences?") *Neurotoxicology and Teratology*, 15, 307-309. PMID: 8277924
89. Rajachandran*, L., Spear, N. E., & Spear, L. P. (1993). Effects of the combined administration of the 5HT₃ antagonist MDL 72222 and ethanol on conditioning in the periadolescent and adult rat. *Pharmacology, Biochemistry and Behavior*, 46: 535-542. Doi: 10.1016/0091-3057(93)90541-Z. PMID: 827843
90. Goodwin*, G. A., Moody*, C. A., & Spear, L. P. (1993). Prenatal cocaine exposure increases the behavioral sensitivity of neonatal rat pups to ligands active at opiate receptors. *Neurotoxicology and Teratology*, 15: 425-431. PMID: 8302244
91. Spear, L. P., Frambes*, N. A., Goodwin*, G. A., & Moody*, C. A. (1994). The 5HT_{1A} agonist 8-OH-DPAT increases attachment maintenance but decreases suckling-related intake in 17-18 day old rat pups. *Pharmacology, Biochemistry and Behavior*, 47: 133-139. doi: 10.1016/0091-3057(94)90122-8. PMID: 8115414
92. Leskawa, K. C., Jackson, G. H., Moody*, C. A., & Spear, L. P. (1994). Cocaine exposure during pregnancy affects rat neonate and maternal brain glycosphingolipids. *Brain Research Bulletin*, 33: 195-198. PMID: 8275339
93. Goodwin*, G. A., Molina, V. A., & Spear, L. P. (1994). Repeated exposure of rat pups to isolation attenuates isolation-induced ultrasonic vocalization rates: Reversal with naltrexone. *Developmental Psychobiology*, 27: 53-64. PMID: 8112488
94. Molina, V. A., Wagner*, J. M., & Spear, L. P. (1994). The behavioral response to stress is altered in adult rats exposed prenatally to cocaine. *Physiology and Behavior*, 55: 941-945. doi: 10.1016/0031-9384(94)90083-3. PMID: 8022916
95. de Bartolomeis, A., Austin, M. C., Goodwin*, G. A., Spear, L. P., Pickar, D., & Crawley, J. N. (1994). Dopaminergic and peptidergic mRNA levels in juvenile rat brain after prenatal cocaine treatment. *Molecular Brain Research*, 21: 321-332. PMID: 7909578
96. Molina, V. A., Heyser*, C. J., & Spear, L. P. (1994). Chronic variable stress or chronic morphine facilitates immobility in a forced swim test: Reversal by naloxone. *Psychopharmacology*, 114: 433-440. PMID: 7855201
97. Spear, L. P. (1994). Issues in developmental toxicology. In B. Weiss & J. O'Donoghue (Eds.),

98. Heyser*, C. J., McKinzie*, D. L., Athalie*, F., Spear, N. E., & Spear, L. P. (1994). Effects of prenatal exposure to cocaine on heart rate and nonassociative learning and retention in infant rats. *Teratology*, 49: 470-478. PMID: 7747268
99. Molina, V. A., Heyser*, C. J., & Spear, L. P. (1994). Chronic variable stress enhances the stimulatory action of a low dose of morphine: Reversal by desipramine. *European Journal of Pharmacology*, 260: 57-64. doi: 10.1016/0014-2999(94)90009-4. PMID: 7957627
100. Heyser*, C. J., Rajachandran*, L., Spear, N. E., & Spear, L. P. (1994). Responsiveness to cocaine challenge in adult rats following prenatal exposure to cocaine. *Psychopharmacology*, 116: 45-55. PMID: 7862930
101. McKinzie*, D. L., Lee*, J., Bronfen, J. H., Spear, L. P., & Spear, N. E. (1994). Context and tone conditioning are selectively impaired by ethanol in the preweanling rat: Effects of dose and time of administration. *Behavioral and Neural Biology*, 62: 201-209. PMID: 7857242
102. Spear, L.P. (1995). Neurobehavioral consequences of gestational cocaine exposure: A comparative analysis. In C. Rovee-Collier & L. P. Lipsitt (Eds.), *Advances in Infancy Research, Volume 9*, (pp. 55-105). Norwood, NJ: Ablex Publishing Company.
103. Spear, N. E., Spear, L. P., & Woodruff, M. (Eds.) (1995). *Neurobehavioral Plasticity: Learning, Development, and Response to Brain Insults*. Hillsdale, NJ: Lawrence Erlbaum Associates.
104. Spear, L.P. (1995). Alterations in cognitive function following prenatal cocaine exposure: Studies in an animal model. In M. Lewis & M. Bendersky (Eds.), *Mothers, Babies and Cocaine: The Role of toxins in Development* (pp. 207-227). Hillsdale, NJ: Lawrence Erlbaum Associates.
105. Goodwin*, G. A., Rajachandran*, L., Moody*, C. A., Francis, R., Kuhn, C. M., & Spear, L. P. (1995). Effects of prenatal cocaine exposure on haloperidol-induced increases in prolactin release and dopamine turnover in weanling, periadolescent, and adult offspring. *Neurotoxicology and Teratology*, 7: 507-514. doi: 10.1016/0892-0362(95)00010-0. PMID: 7565497
106. Heyser*, C. J., Spear, N. E., & Spear, L. P. (1995). The effects of prenatal exposure to cocaine on Morris water maze performance in adult rats. *Behavioral Neuroscience*, 109: 734-743. doi: 10.1037/0735-7044.109.4.734. PMID: 7576217
107. Wood*, R. D., Molina, V. A., Wagner*, J. M., & Spear, L. P. (1995). Play behavior and stress responsivity in periadolescent offspring exposed prenatally to cocaine. *Pharmacology, Biochemistry and Behavior*, 52: 367-374. doi: 10.1016/0091-3057(95)00120-L. PMID: 8577803
108. Laviola, G., Wood*, R. D., Kuhn, C., Francis, R., & Spear, L. P. (1995). Cocaine sensitization in periadolescent and adult rats. *Journal of Pharmacology and Experimental Therapeutics*, 275: 345-357. PMID: 7562570
109. Specht, S. M., Burright, R. G., & Spear, L. P. (1996). Behavioral components of milk-induced activation in neonatal rat pups. *Perceptual and Motor Skills*, 82: 903-911. doi: 10.2466/pms.1996.82.3.903. PMID: 8774030

110. Spear, L. P. (1996). Neurobehavioral consequences of gestational cocaine exposure: Studies using a rodent model. In R. J. Konkol & G. D. Olsen (Eds.), *Prenatal Cocaine Exposure* (pp. 169-181). Boca Raton, Florida: CRC Press Inc.
111. Spear, L. P. (1996). Assessment of the effects of developmental toxicants: Pharmacological and stress vulnerability of offspring. In C. L. Wetherington, V. L. Smeriglio, & L. P. Finnegan (Eds.), *NIDA Research Monograph 164: Behavioral Studies of Drug-Exposed Offspring: Methodological Issues in Human and Animal Research* (NIH Publication No. 96-4105), pp. 125-145.
112. McKinzie*, D. L., Lee*, J. S., McKinzie, J. H., Spear, L. P., & Spear, N. E. (1996). Ontogenetic differences in ethanol-induced impairment of context and CS learning. *Psychobiology*, 24: 306-313.
113. Spear, L. P. & File, S. E. (Eds.) (1996). Special Issue: Neurobehavioral Teratology. *Pharmacology, Biochemistry and Behavior*, 55.
114. Spear, L. P. & File, S. E. (1996). Methodological considerations in neurobehavioral teratology. *Pharmacology, Biochemistry and Behavior*, 55: 455-457. doi: 10.1016/S0091-3057(96)00272-9. PMID: 8981575
115. Spear, L. P. (1997). Neurobehavioral abnormalities following exposure to drugs of abuse during development. In B. A. Johnson & J. D. Roache (Eds.), *Drug Addiction and its Treatment: Nexus of Neuroscience and Behavior* (pp. 233-255). Philadelphia: Lippincott-Raven Publishers.
116. Goodwin*, G. A., Bliven*, T., Kuhn, C., Francis, R., & Spear, L. P. (1997). Immediate early gene expression to examine neuronal activity following acute and chronic stressors in rat pups: Examination of neurophysiological alterations underlying behavioral consequences of prenatal cocaine exposure. *Physiology and Behavior*, 61: 895-902. doi: 10.1016/S0031-9384(96)00615-4. PMID: 9177564
117. Bannoura*, M. D., Kraebel*, K. S., Spear, L. P., & Spear, N.E. (1998). Effects of preweanling ethanol odor exposure on ethanol preference. *Alcohol*, 15: 213-217. doi: 10.1016/S0741-8329(97)00122-5. PMID: 9539378
118. Hecht*, G. S., Spear, N. E., & Spear, L. P. (1998). Alterations in the reinforcing efficacy of cocaine in adult rats following prenatal exposure to cocaine. *Behavioral Neuroscience*, 112: 410-418. doi: 10.1037/0735-7044.112.2.410. PMID: 9588487
119. Wood*, R. D. & Spear, L. P. (1998). Prenatal cocaine alters social competition of infant, adolescent, and adult rats. *Behavioral Neuroscience*, 112: 419-431. doi: 10.1037/0735-7044.112.2.419. PMID: 9588488
120. Silveri*, M. M. & Spear, L. P. (1998). Decreased sensitivity to the hypnotic effects of ethanol early in ontogeny. *Alcoholism: Clinical and Experimental Research*, 22: 670-676. doi: 10.1111/j.1530-0277.1998.tb04310.x. PMID: 9622449
121. Spear, L. P., Campbell*, J., Snyder*, K., Silveri*, M., & Katovic*, N. (1998). Animal behavior models: Increased sensitivity to stressors and other environmental experiences after prenatal cocaine exposure. In J. Harvey & B. Kosofsky (Vol. Eds.), *Cocaine: Effects on the Developing Brain, Annals of the New York Academy of Sciences*, 846: 76-88. doi: 10.1111/j.1749-1998.tb09728.x. PMID: 9668399

122. Snyder*, K. J., Katovic*, N. M., & Spear, L. P. (1998). Longevity of the expression of behavioral sensitization to cocaine in preweanlings. *Pharmacology, Biochemistry and Behavior*, 60: 909-914. doi: 10.1016/S0091-3057(98)00078-1. PMID: 9700975
123. Wood*, R. D., Tirelli, E., Snyder*, K. J., Heyser*, C. J., LaRocca**, T. M., & Spear, L. P. (1998). Evidence for behavioral sensitization to cocaine in preweanling rat pups. *Psychopharmacology*, 138: 114-123. PMID: 9718280
124. Hannigan, J. H., Spear, L. P., Spear, N. E., & Goodlett, C. R. (Eds.) (1999). *Alcohol and Alcoholism: Effects on Brain and Development*. Mahwah, NJ: Lawrence Erlbaum Associates.
125. Campbell*, J. O., Fogarty**, J. A., & Spear, L. P. (1999). Inhibition of nitric oxide synthesis with L-NAME suppresses isolation-induced ultrasounds in rat pups. *Pharmacology, Biochemistry and Behavior*, 63, 45-53. doi: 10.1016/S0091-3057(98)00233-0. PMID: 10340523
126. Campbell*, J. & Spear, L. P. (1999). Effects of early handling on amphetamine-induced locomotor activation and conditioned place preference in the adult rat. *Psychopharmacology*, 143: 183-189. PMID: 10326781
127. Silveri*, M. M. & Spear, L. P. (1999). Ontogeny of rapid tolerance to the hypnotic effects of ethanol. *Alcoholism: Clinical and Experimental Research*, 23: 1180-1184. doi: 10.1111/j.1530-0277.1999.tb04275.x. PMID: 10443983
128. Dow-Edwards, D., Mayes, L., Spear, L., & Hurd, Y. (1999). Cocaine and development: Clinical, behavioral and neurobiological perspectives (a Symposium within the Neurobehavioral Teratology Society Annual Meeting). *Neurotoxicology and Teratology*, 21: 481-490. Doi: 10.1016/S0892-0362(99)00008-2. PMID: 10492383
129. Hecht*, G. S., Spear, N. E., & Spear, L. P. (1999). Changes in progressive ratio responding for intravenous cocaine throughout the reproductive process in female rats. *Developmental Psychobiology*, 35: 136-145. Doi: 10.1002/(SICI)1098-2302(199909)35:2<136::AID-DEV6>3.0.CO;2-K. PMID: 10461127
130. 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. *Physiology and Behavior*, 67: 475-482. doi: 10.1016/S0031-9384(98)00285-6. PMID: 10549884
131. Katovic*, N. M., Gresack**, J. E., & Spear, L. P. (1999). Schedule-induced polydipsia: Gender-specific effects and consequences of prenatal cocaine and postnatal handling. *Pharmacology, Biochemistry and Behavior (Special Issue: Gender Differences in Brain and Behavior)*, 64: 695-704. doi: 10.1016/S0091-3057(99)00152-5. PMID: 10593192
132. Silveri*, M. M. & Spear, L. P. (2000). Ontogeny of ethanol elimination and ethanol-induced hypothermia. *Alcohol*, 20: 45-53. doi: 10.1016/S0741-8329(99)00055-5. PMID: 10680716
133. Campbell*, J. O., Wood, R. D., & Spear, L. P. (2000). Cocaine and morphine-induced place conditioning in adolescent and adult rats. *Physiology and Behavior*, 68(4), 487-493. Doi: 10.1016/S0031-9384(99)00225-5. PMID: 10713288
134. Spear, L. P. (2000). The adolescent brain and age-related behavioral manifestations. *Neuroscience*

- and Biobehavioral Reviews*, 24: 417-463. doi: 10.1016/S0149-7634(00)00014-2. PMID: 10817843
135. Adams, J., Barone Jr., S., LaMantia, A., Philen, R., Rice, D. C., Spear, L., & Susser, E. (2000). Workshop to identify critical windows of exposure for children's health: Neurobehavioral work group summary. *Environmental Health Perspectives*, 108: 535-544. PMID: 10852852 PMCID: PMC1637822
136. 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. *Alcoholism: Clinical and Experimental Research*, 24(7): 996-1002. doi: 10.1111/j.1530-0277.2000.tb04642.x. PMID: 10924002
137. Spear, L.P. (2000). Neurobehavioral changes in adolescence. *Current Directions in Psychological Science*, 9, 111-114. (Reprinted in J. Lerner & A. E. Alberts (Eds.) *Developmental Psychology*, 2004.)
138. Spear, L. P. (2000). Adolescent period: Biological basis of vulnerability to develop alcoholism and other ethanol-mediated behaviors. In A. Noronha, M. Eckardt, & K. Warren (Eds.), *NIAAA Research Monograph 34: Review of NIAAA's Neuroscience and Behavioral Research Portfolio (NIH Publication No. 00-4520)*, pp. 315-333.
139. Campbell*, J. O., Bliven*, T. D., Silveri*, M. M., Snyder*, K. J., & Spear, L. P. (2000). Effects of prenatal cocaine on behavioral adaptation to chronic stress in adult rats. *Neurotoxicology and Teratology*, 22(6): 845-850. doi: 10.1016/S0892-0362(00)00104-5. PMID: 11120390
140. Spear, L. P. (2000). Modeling adolescent development and alcohol use in animals. *Alcohol Research & Health*, 24(2): 115-123. PMID: 11199278
141. Varlinskaya, E. I., Spear, L. P., & Spear, N. E. (2001). Acute effects of ethanol on behavior of adolescent rats: Role of social context. *Alcoholism: Clinical and Experimental Research*, 25(3): 377-385. doi: 10.1111/j.1530-0277.2001.tb02224.x. PMID: 11290848
142. 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. *Alcoholism: Clinical and Experimental Research*, 25(3): 391-402. doi: 10.1111/j.1530-0277.2001.tb02226.x. PMID: 11290850
143. Silveri*, M. M. & Spear, L. P. (2001). Acute, rapid and chronic tolerance during ontogeny: Observations when equating ethanol perturbation across age. *Alcoholism: Clinical and Experimental Research*, 25(9): 1301-1308. doi: 10.1111/j.1530-0277.2001.tb02351.x. PMID: 11584149
144. Kraebel*, K. S., Brasser*, S. M., Campbell*, J. O., Spear, L. P., & Spear, N.E. (2002). Developmental differences in temporal patterns and potentiation of isolation-induced ultrasonic vocalizations: Influence of temperature variables. *Developmental Psychobiology*, 40(2): 147-159. doi: 10.1002/dev.10022. PMID: 11857329
145. Silveri*, M. M. & Spear, L. P. (2002). The effects of NMDA and GABA_A pharmacological manipulations on ethanol sensitivity in immature and mature animals. *Alcoholism: Clinical and Experimental Research*, 26(4): 449-456. doi: 10.1111/j.1530-0277.2002.tb02560.x. PMID: 11981119

146. Spear, L. P. (2002). The adolescent brain and the college drinker: Biological basis of propensity to use and misuse alcohol. *Journal of Studies on Alcohol, Supplement, 14*: 71-81. doi: 10.15288/jsas.2002.s14.71. PMID: 12022731
147. Spear, L. P., Silveri*, M. M., Casale*, M., Katovic*, N. M., Campbell*, J. O., & Douglas*, L. A. (2002). Cocaine and development: A retrospective perspective. *Neurotoxicology and Teratology, 24*(3): 321-327. doi: 10.1016/S0892-0362(02)00194-0. PMID: 12009487
148. Vastola**, B. J., Douglas*, L. A., Varlinskaya, E. I., & Spear, L. P. (2002). Nicotine-induced conditioned place preference in adolescent and adult rats. *Physiology and Behavior, 77*: 107-114. doi: 10.1016/S0031-9384(02)00818-1. PMID: 12213508
149. Varlinskaya, E. I. & Spear, L. P. (2002). Acute effects of ethanol on social behavior of adolescent and adult rats: Role of familiarity of the test situation. *Alcoholism: Clinical and Experimental Research, 26*(10): 1502-1511. doi: 10.1111/j.1530-0277.2002.tb02449.x. PMID: 12394283
150. Spear, L., Snyder*, K., Krantova**, Y. & Campbell*, J. (2003). Effects of prenatal cocaine exposure and maternal separation on heart rate, orienting response habituation, and retention. *Developmental Psychobiology, 42*(2): 160-170. doi: 10.1002/dev.10084. PMID: 12555280
151. Spear, L. P. (2003). Alcohol's effects on adolescents. *Alcohol Research & Health, 26*(4), 287-291.
152. Doremus*, T. L., Brunell*, S. C., Varlinskaya, E. I., & Spear, L. P. (2003). Anxiogenic effects during withdrawal from acute ethanol in adolescent and adult rats. *Pharmacology, Biochemistry and Behavior, 75*(2): 411-418. doi: 10.1016/S0091-3057(03)00134-5. PMID: 12873633
153. Spear, L. P. (2003). Neurodevelopment during adolescence. In D. Cicchetti & E. F. Walker (Eds.), *Neurodevelopmental Mechanisms in Psychopathology* (pp. 62-83). Cambridge, UK: Cambridge University Press.
154. Douglas*, L. A., Varlinskaya, E. I., & Spear, L. P. (2003). Novel object place conditioning in adolescent and adult male and female rats: Effects of social isolation. *Physiology and Behavior, 80*(2-3): 317-325. doi: 10.1016/j.physbeh.2003.08.003. PMID: 14637231
155. Varlinskaya, E. I. & Spear, L. P. (2004). Acute ethanol withdrawal (hangover) and social behavior in adolescent and adult male and female Sprague Dawley rats. *Alcoholism: Clinical and Experimental Research, 28*(1): 40-50. doi: 10.1097/01.ALC.0000108655.51087.D. PMID: 14745301
156. Spear, L. P. (2004). Biomedical aspects of underage drinking. In *What Drives Underage Drinking? An International Analysis (Report commissioned by the International Center for Alcohol Policies [ICAP], Washington, D. C.)*, pp. 25-38.
157. Silveri*, M. M. & Spear, L. P. (2004). Characterizing the ontogeny of ethanol-associated increases in corticosterone. *Alcohol, 32*(2): 145-155. doi: 10.1016/j.alcohol.2003.12.004. PMID: 15163565
158. Silveri*, M. M. & Spear, L. P. (2004). The effects of NMDA and GABA_A pharmacological manipulations on acute and rapid tolerance to ethanol during ontogeny. *Alcoholism: Clinical and Experimental Research, 28*(6): 884-894. doi: 10.1097/01.ALC.0000128221.68382.B. PMID: 15201631

159. Dahl, R. E. & Spear, L. P. (Eds.) (2004). Adolescent Brain Development: Vulnerabilities and Opportunities. *Annals of the New York Academy of Sciences*, 1021.
160. Spear, L. P. (2004). Adolescent brain development and animal models. *Annals of the New York Academy of Sciences*, 1021: 23-26. doi: 10.1196/annals.1308.002. PMID: 15251870
161. Spear, L. P. (2004). Adolescence and the trajectory of alcohol use: introduction to part VI. *Annals of the New York Academy of Sciences*, 1021: 202-205. doi: 10.1196/annals.1308.025. PMID: 15251890
162. Doremus*, T. L., Varlinskaya, E. I., & Spear, L. P. (2004). Age-related differences in elevated plus maze behavior between adolescent and adult rats. *Annals of the New York Academy of Sciences*, 1021: 427-430. doi: 10.1196/annals.1308.057. PMID: 15251922
163. Rajendran*, P. & Spear, L. P. (2004). The effects of ethanol on spatial and nonspatial memory in adolescent and adult rats studied using an appetitive paradigm. *Annals of the New York Academy of Sciences*, 1021: 441-444. doi: 10.1196/annals.1308.060. PMID: 15251925
164. Ristuccia*, R. C. & Spear, L. P. (2004). Adolescent ethanol sensitivity: hypothermia and acute tolerance. *Annals of the New York Academy of Sciences*, 1021: 445-447. doi: 10.1196/1308.061. PMID: 15251926
165. Varlinskaya, E. I. & Spear, L. P. (2004). Changes in sensitivity to ethanol-induced social facilitation and social inhibition from early to late adolescence. *Annals of the New York Academy of Sciences*, 1021: 459-461. doi: 10.1196/annals.1308.064. PMID: 15251929
166. Wilmouth*, C. E. & Spear, L. P. (2004). Adolescent and adult rats' aversion to flavors previously paired with nicotine. *Annals of the New York Academy of Sciences*, 1021: 462-464. doi: 10.1196/annals.1308.06. PMID: 15251930
167. 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 vs. isolate housing of subjects and partners. *Developmental Psychobiology*, 45(3): 153-162. doi: 10.1002/dev.20025 PMID: 1550579
168. Spear, L. P. & Varlinskaya, E. I. (2005). Adolescence: Alcohol sensitivity, tolerance, and intake. In M. Galanter (Ed.), *Recent Developments in Alcoholism, Volume 17: Alcohol Problems in Adolescents and Young Adults* (pp. 143-159). Hingham, MA: Kluwer Academic Publishers.
169. Foa, E. B., Costello, E. J., Franklin, M., Kagan, J., Kendall, P., Klein, R., Leonard, H., Liebowitz, M., March, J., McNally, R., Ollendick, T., Pine, D., Pynoos, R., Silverman, W., & Spear, L. P. (2005). Anxiety disorders (Report of the Annenberg Adolescent Anxiety Disorders Commission. In D. L. Evans, E. B. Foa, R. E. Gur, H. Hendin, C. P. O'Brien, M. E. P. Seligman, & B. T. Walsh (Eds.), *Treating and Preventing Adolescent Mental Health Disorders* (pp. 159-253), New York: Oxford University Press, Inc.
170. Spear, L. P. & Varlinskaya, E. I. (2005). Low dose effects in psychopharmacology: ontogenetic considerations. *Nonlinearity in Biology, Toxicology and Medicine*, 3: 97-111. doi: 10.2201/nonlin.003.01.006 PMID: 19330157

171. Brunell*, S. C. & Spear, L. P. (2005). Effect of stress on the voluntary intake of a sweetened ethanol solution in pair-housed adolescent and adult rats. *Alcoholism: Clinical and Experimental Research*, 29(9): 1641-1653. doi: 10.1097/01.alc.0000179382.64752.12. PMID: 16205364.
172. Barron, S., White, A., Swartzwelder, S., Bell, R. L., Rodd, Z. A., Slawecki, C. J., Ehlers, C. L., Levin, E. D., Rezvani, A. H., & Spear, L. P. (2005). Adolescent vulnerabilities to chronic alcohol or nicotine. *Alcoholism: Clinical and Experimental Research*, 29(9): 1720-1725. doi: 10.1097/01.alc.0000179220.79356.e5. PMID: 16205372
173. Ristuccia*, R. C. & Spear, L. P. (2005). Sensitivity and tolerance to autonomic effects of ethanol in adolescent and adult rats during repeated vapor inhalation. *Alcoholism: Clinical and Experimental Research*, 29(10): 1809-1820. doi: 10.1079/01.alc.0000183010.72764.cd. PMID: 16269910
174. Doremus*, T. L., Brunell*, S. C., Pottayil*, R., & Spear, L. P. (2005). Factors influencing elevated ethanol consumption in adolescent relative to adult rats. *Alcoholism: Clinical and Experimental Research*, 29(10): 1796-1808. doi: 10.1097/01.alc.0000183007.65998.aa. PMID: 16269909
175. Doremus*, T. L., Varlinskaya, E. I., & Spear, L. P. (2006). Factor analysis of elevated plus-maze behavior in adolescent and adult rats. *Pharmacology, Biochemistry, and Behavior*, 83(4): 570-577. doi: 10.1016/j.pbb.2006.03.019. PMID: 16678892
176. 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. *Developmental Psychobiology*, 48(2): 146-161. doi: 10.1002/dev.20124. PMID: 16489593
177. Miller, M. W. & Spear, L. P. (2006). The alcoholism generator. *Alcoholism: Clinical and Experimental Research*, 30(9): 1466-1469. doi: 10.1111/j.1530-0277.2006.00177.x.
178. Brunell*, S. C. & Spear, L. P. (2006). Effects of acute ethanol or amphetamine administration on the acoustic startle response and prepulse inhibition in adolescent and adult rats. *Psychopharmacology*, 186(4): 579-586. doi: 10.1007/s00213-006-0380-9. PMCID: PMC2678754
179. Varlinskaya, E. I. & Spear, L. P. (2006). Ontogeny of acute tolerance to ethanol-induced social inhibition in Sprague-Dawley rats. *Alcoholism: Clinical and Experimental Research*, 30(11): 1833-1844. PMCID: PMC1939685
180. Wilmoth*, C. E. & Spear, L. P. (2006). Withdrawal from chronic nicotine in adolescent and adult rats. *Pharmacology, Biochemistry and Behavior*, 85(3), 648-657. PMCID: PMC1855282
181. Spear, L. (2006) Adolescent brain development. In Special Issue: Criminal Juvenile Symposium. *The Thomas M. Cooley Journal of Practical and Clinical Law*, 8: 11-45.
182. Spear, L. P. (Ed.) (2007). Special Issue: "Exposures during adolescent development: Are neurotoxic risks increased?" *Neurotoxicology and Teratology*. Volume 29, Issue 1.
183. Spear, L. P. (2007). Assessment of adolescent neurotoxicity: rationale and methodological considerations. *Neurotoxicology and Teratology*, 29(1): 1-9. doi: 10.1016/j.ntt.2006.11.006. PMCID: PMC1919405

- 184 Ristuccia*, R. C., Hernandez**, M., Wilmouth*, C. E., & Spear, L. P. (2007). Differential expression of ethanol-induced hypothermia in adolescent and adult rats induced by pre-test familiarization to the handling/injection procedure. *Alcohol: Clinical and Experimental Research*, 31(4): 575-581. doi: 10.1111/j.1530-0277.2007.00341.x. PMID: PMC1976663
185. Varlinskaya, E. I. & Spear, L. P. (2007). Chronic tolerance to the social consequences of ethanol in adolescent and adult Sprague-Dawley rats. *Neurotoxicology and Teratology*, 29(1): 23-30. doi: 10.1016/j.ntt.2006.08.009. PMID: PMC1850930
186. Spear, L. P. (2007). The developing brain and adolescent-typical behavior patterns: An evolutionary approach. In E. Walker & D. Romer (Eds.), *Adolescent Psychopathology and the Developing Brain: Integrating Brain and Prevention Science* (pp. 9-30). New York: Oxford University Press.
187. Molina, J. C., Spear, N. E., Spear, L. P., Mennella, J. A., & Lewis, M. J. (2007). Alcohol and development: beyond Fetal Alcohol Syndrome. *Developmental Psychobiology*, 49(3): 227-242. doi: 10.1002/dev.20224. PMID: PMC1976664
188. Spear, L. P. (2007). Brain development and adolescent behavior. In Coch, D., Fischer, K., & Dawson, G. (Eds.), *Human Behavior, Learning, and the Developing Brain; Typical Development* (pp. 362-396). New York: Guilford Press.
189. Vetter*, C. S., Doremus-Fitzwater*, T. L., & Spear, L. P. (2007). Time-course of elevated ethanol intake in adolescent relative to adult rats under continuous, voluntary-access conditions. *Alcoholism: Clinical and Experimental Research*, 31(7): 1159-1168. doi: 10.1111/j.1530-0277.2007.00417.x. PMID: PMC2094127
190. Doremus-Fitzwater*, T. L., & Spear, L. P. (2007). Developmental differences in acute ethanol withdrawal in adolescent and adult rats. *Alcoholism: Clinical and Experimental Research*, 31(9): 1516-1527. doi: 10.1111/j.1530-0277.2007.00457.x. PMID: PMC2644064
191. Calabrese, Edward J. et al (2007). Biological stress response terminology: Integrating the concepts of adaptive response and preconditioning stress within a hormetic dose-response framework. *Toxicology and Applied Pharmacology*, 222, 122-128. PMID: 17459441
192. Spear, L.P. (2007). The psychobiology of adolescence. In K. Kline (Ed.), *Authoritative communities: The scientific case for nurturing the whole child (the search institute series on developmentally attentive community and society)*. (pp. 263-280). New York, NY: Springer Publishing.
193. Masten, A. S., Faden, V. B., Zucker, R. A., & Spear, L. P. (2008). Underage drinking: A developmental framework. *Pediatrics*, 121: S235-S251. doi: 10.1542/peds.2007-2243A. PMID: 18381492
194. Windle, M., Spear, L. P., Fuligni, A. J., Angold, A., Brown, J. D., Pine, D., et al. (2008). Transitions into underage and problem drinking: Developmental processes and mechanisms between 10 and 15 years of age. *Pediatrics*, 121: S273-S289. doi: 10.1542/peds.2007-2243C. PMID: PMC2892675
195. McCulloch, M., Zhou, X., Xu, Y., Brunell*, S., & Spear, L. (2008). Determination of endocannabinoid receptor antagonist SR141716 plasma by liquid chromatograph tandem mass spectrometry. *Journal of Chromatography*, 863(2): 258-265. doi: 10.1016/j.chromb.2008.01.020. PMID: PMC2765253

196. Varlinskaya, E. I., & Spear, L. P. (2008). Social interactions in adolescent and adult Sprague-Dawley rats: Impact of social deprivation and test context familiarity. *Behavioural Brain Research*, 188: 398-405. doi: 10.1016/j.bbr.2007.11.024. PMCID: PMC3057041
197. Pautassi, R. M., Myers, M., Spear, L. P., Molina, J. C., & Spear, N. E. (2008). Adolescent, but not adult, rats exhibit ethanol-mediated appetitive second-order conditioning. *Alcoholism: Clinical and Experimental Research*, 32 (11): 1-12. doi: 10.1111/j.1530-0277.2008.00789.x. PMCID: PMC2588482
198. Ristuccia*, R. C., & Spear, L. P. (2008). Adolescent and adult heart rate responses to self-administered ethanol. *Alcoholism: Clinical and Experimental Research*, 32(10): 1-9. doi: 10.1111/j.1530-0277.2008.00752.x. PMCID: PMC2562596
199. Spear, L. (2008). Le développement du cerveau et les patterns de conduites typiques pendant l'adolescence (1re partie). *PSN Psychiatrie-Sciences Humaines-Neurosciences*, 6(3):149-154.
200. Spear, L. (2008). Le développement du cerveau et les patterns de conduites typiques pendant l'adolescence (2e partie). *PSN Psychiatrie-Sciences Humaines-Neurosciences*, 6(4): 197-204.
201. Ristuccia*, R. C., & Spear, L. P. (2008). Autonomic responses to ethanol in adolescent and adult rats: A dose-response analysis. *Alcohol*, 42: 623-629. doi: 10.1016/j.alcohol.2008.002. PMCID: PMC3020571
202. Ernst, M., & Spear, L. P. (2008). Reward Systems. In M. de Hann & M. R. Gunner (Eds.), *Handbook of Developmental Social Neuroscience* (pp. 324-341). New York, NY: Gilford Press.
203. Spear, L.P. (2009) Heightened stress responsivity and emotional reactivity during pubertal maturation: implications for psychopathology. *Development and Psychopathology*, 21(1): 87-97. doi: 10.1017/S0954579409000066. PMCID: PMC3036838
204. Doremus-Fitzwater*, T. L., Varlinskaya, E. I., & Spear, L. P. (2009). Effects of pre-test manipulation on elevated plus-maze behavior in adolescent and adult male and female Sprague-Dawley rats. *Pharmacology Biochemistry and Behavior*, 92: 413-423. doi: 10.1016/j.pbb.2009.01.006. PMCID: PMC3064078
205. Wilmouth*, C. E., & Spear, L. P. (2009). Hedonic sensitivity in adolescent and adult rats: Taste reactivity and voluntary sucrose consumption. *Pharmacology, Biochemistry and Behavior*, 92: 566-573. doi: 10.1016/j.pbb.2009.02.009. PMCID: PMC3385517
206. Doremus-Fitzwater*, T. L., Varlinskaya, E. I., & Spear, L. P. (2009). Social and non-social anxiety in adolescent and adult rats after repeated restraint. *Physiology and Behavior*, 97: 484-494. doi: 10.1016/j.bbr.2009.03.025. PMCID: PMC2693722
207. Willey*, A. R., Varlinskaya, E. I., & Spear, L. P. (2009). Social interactions and 50 kHz ultrasonic vocalizations in adolescent and adult rats. *Behavioural Brain Research*, 202: 122-129. doi: 10.1016/j.bbr.2009.03.025. PMCID:PMC2684866
208. Varlinskaya, E. I., & Spear, L. P. (2009). Ethanol-induced social facilitation in adolescent rats: role of endogenous activity at mu opioid receptors. *Alcoholism: Clinical and Experimental Research*, 33(6): 991-1000. doi: 10.1111/j.1530-0277.2009.00920.x. PMCID: PMC3045078

209. Windle, M., Spear, L. P., Fuligni, A. J., Angold, A., Brown, J. D., Pine, D., et al. (2009). Transitions into underage and problem drinking: summary of developmental processes and mechanisms: ages 10-15. *Alcohol Research & Health*, 32(1): 30-40. PMID: PMC3860495
210. Vetter-O'Hagen*, C., Varlinskaya, E. I., & Spear, L. (2009). Sex differences in ethanol intake and sensitivity to aversive effects during adolescence and adulthood. *Alcohol and Alcoholism*, 44(6): 547-554. doi: 10.1093/alcalc/agg048. PMID: PMC2765243
211. Masten, A.S., Faden, V.B., Zucker, R.A., & Spear, L.P. (2009). A developmental perspective on underage alcohol use. *Alcohol Research Current Reviews*, 32(1): 3-15. PMID: PMC3860500
212. Spear, L. P. (2009). Perinatal exposure to drugs. *Encyclopedia of Psychopharmacology*, 2nd edition (2014)
213. Spear, L. (2010). *The behavioral neuroscience of adolescence*. New York: Norton.
214. Doremus-Fitzwater, T. L., Varlinskaya, E. I., & Spear, L. P. (2010). Motivational systems in adolescence: possible implications for age differences in substance abuse and other risk-taking behaviors. *Brain and Cognition*, 72: 114-123. doi: 10.1016/j.bandc.2009.08.008. PMID: PMC2814912
215. Varlinskaya, E. I., & Spear, L. P. (2010). Sensitization to social anxiolytic effects of ethanol in adolescent and adult Sprague-Dawley rats following repeated ethanol exposure. *Alcohol*, 44: 99-110. doi: 10.1016/j.alcohol.2009.09.036. PMID: PMC2900816
216. Ramirez*, R. L., & Spear, L. P. (2010). Ontogeny of ethanol induced motor impairment following acute ethanol: assessment via the negative geotaxis reflex in adolescent and adult rats. *Pharmacology, Biochemistry and Behavior*, 95(2): 242-248. doi: 10.1016/j.pbb.2010.01.013. PMID: PMC2877632
217. Spear, L. P., & Varlinskaya, E. I. (2010). Sensitivity to ethanol and other hedonic stimuli in an animal model of adolescence: Implications for prevention science? *Developmental Psychobiology*, 52(3): 236-243. doi: 10.1002/dev.20457. PMID: PMC3045082
218. Doremus-Fitzwater, T. L., & Spear, L. P. (2010). Age-related differences in amphetamine sensitization: effects of prior drug or stress history on stimulant sensitization in juvenile and adult rats. *Pharmacology, Biochemistry and Behavior*, 96(2): 198-205. doi: 10.1016/j.pbb.2010.05.005. PMID: PMC2902238
219. 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. *Pharmacology, Biochemistry and Behavior*, 96: 228-235. doi: 10.1016/j.pbb.2010.05.011. PMID: PMC2911121
220. 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. *Alcoholism: Clinical and Experimental Research*, 34: 2106-2115. doi: 10.1111/j.1530-0277.2010.01307.x. PMID: PMC2988942
221. Pautassi, R. M., Myers, M., Spear, L. P., Molina, J. C., & Spear, N. E. (2011). Ethanol induces second-order aversive conditioning in adolescent and adult rats. *Alcohol*, 45(1): 45-55. doi: 10.1016/j.alcohol.2010.10.004. PMID: PMC3045077

222. Anderson*, R. I., & Spear, L. P. (2011). Autoshaping in adolescence enhances sign-tracking behavior in adulthood: impact on ethanol consumption. *Pharmacology, Biochemistry and Behavior*, 98: 250-260. doi: 10.1016/j.pbb.2011.01.004. PMID: PMC3056113
223. Robinson, D. L., Zitzman, D. L., Smith, K. J., & Spear, L. P. (2011). Fast dopamine release events in the nucleus accumbens of early adolescent rats. *Neuroscience*, 176: 296-307. doi: 10.1016/j.neuroscience.2010.12.016. PMID: PMC3061289
224. Doremus-Fitzwater, T. L., & Spear, L. P. (2011). Amphetamine-induced incentive sensitization of sign-tracking behavior in adolescent and adult female rats. *Behavioral Neuroscience*, 125(4): 661-667. doi: 10.1016/j.drugalcdep.2011.05.035. PMID: PMC3144296
225. Celio, M.A., Vetter-O'Hagen*, C.S., Lisman, S.A., Johansen, G.E., & Spear, L.P. (2011). Integrating field methodology and web-based data collection to assess the reliability of the alcohol use disorders identification test (AUDIT). *Drug and Alcohol Dependence*, 119(1-2): 142-144. doi: 10.1016/j.drugalcdep.2011.05.035. PMID: 21724340
226. Spear, L. P. (2011). Adolescent neurobehavioral characteristics, alcohol sensitivities and intake: Setting the stage for alcohol use disorder? *Child Development Perspectives*, 5(4): 231-238. PMID: PMC3274749
227. Spear, L. P. (2011). Brain Development. In B. B. Brown & M. Prinstein (Eds.), *Encyclopedia of Adolescence* (pp. 87-95): Elsevier Ltd. Oxford.
228. 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. *Alcoholism: Clinical and Experimental Research*, 35(6): 1149-1159. doi: 10.1111/j.1530-0277.2011.01448.x. PMID: PMC3097280
229. Vetter-O'Hagen*, C., & Spear, L. P. (2011). The effects of gonadectomy on age- and sex- typical patterns of ethanol consumption in Sprague-Dawley rats. *Alcoholism Clinical & Experimental Research*, 35(11): 2039-2049. doi: 10.1111/j.1530-0277.2011.01555.x. PMID: PMC3170671
230. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2011). Different chronic ethanol exposure regimens in adolescent and adult male rats: Effects on tolerance to ethanol-induced motor impairment. *Behavioural Brain Research*. 225: 358-362. doi: 10.1016/j.bbr.2011.07.013. PMID: PMC3170501
231. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2011). Chronic intermittent ethanol exposure in early adolescent and adult male rats: effects on tolerance, social behavior and ethanol intake. *Alcoholism: Clinical and Experimental Research*, 35(8): 1392-1403. doi: 10.1111/j.1530-0277.01474.x. PMID: PMC3135755
232. Vetter-O'Hagen*, C. S., Sanders**, K. W., & Spear, L. P. (2011). Evidence for suppressant effects of testosterone on sex-typical ethanol intake in male Sprague-Dawley rats. *Behavioural Brain Research*, 224 (2): 403-407. doi: 10.1016/j.bbr.2011.06.020. PMID: PMC3159851
233. Spear, L. P. (2011). Alcohol and the Developing Brain. In J. B. Saunders & J. Rey (Eds.), *Young People and Alcohol: Impact, Policy, Prevention, Treatment* (pp. 66-82). New York, NY: Wiley-Blackwell.

234. Spear, L. P. (2011). Rewards, aversions and affect in adolescence: Emerging convergences across laboratory animal and human data. *Developmental Cognitive Neuroscience*, 1: 390-403. doi: 10.1016/j.dcn.2011.08.001. PMID: PMC3170768
235. 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. *Alcoholism: Clinical and Experimental Research*, 35(9): 1614-1624. doi: 10.1111/j.1530-0277.2011.01508.x. PMID: PMC3161126
236. Vetter-O'Hagen*, C.S., & Spear, L.P. (2012). Hormonal and physical markers of puberty and their relationship to adolescent-typical novelty-directed behavior. *Developmental Psychobiology*, 54(5): 523-535. doi: 10.1002/dev.20610. PMID: PMC3288810
237. Willey*, A. R., Anderson*, R. I., Morales*, M., Ramirez*, R. L., & Spear, L. P. (2012). Effects of ethanol administration on corticosterone levels in adolescent and adult rats. *Alcohol*, 46: 29-36. doi: 10.1016/j.alcohol.2011.08.055. PMID: PMC3257363
238. Varlinskaya, E. I., & Spear, L. P. (2012). Increases in anxiety-like behavior induced by acute stress are reversed by ethanol in adolescent but not adult rats. *Pharmacology, Biochemistry and Behavior*, 100, 440-450. doi: 10.1016/j.pbb.2011.10.010. PMID: PMC3256739
239. Willey*, A. R., & Spear, L. P. (2012). Development of anticipatory 50 kHz USV production to a social stimuli in adolescent and adult male Sprague-Dawley rats. *Behavioural Brain Research*, 226: 613-618. doi: 10.1016/j.bbr.2011.10.001. PMID: PMC3221872
240. Vetter-O'Hagen*, C. S., & Spear, L. P. (2012). The effects of gonadectomy on sex- and age-typical responses to novelty and ethanol-induced social inhibition in adult male and female Sprague-Dawley rats. *Behavioural Brain Research*, 227: 224-232. doi: 10.1016/j.bbr.2011.10.023. PMID: PMC3242866
241. Morales*, M., Varlinskaya, EI, & Spear, L.P. (2012). Evidence for conditioned place preference to a moderate dose of ethanol in adult male Sprague-Dawley rats. *Alcohol*, 46(7): 643-648. doi: 10.1016/j.alcohol.2012.06.001. PMID: PMC3455131
242. Doremus-Fitzwater*, T.L., Barreto, M**, & Spear, L.P. (2012). Age-related differences in impulsivity among adolescent and adult Sprague-Dawley rats. *Behavioral Neuroscience*, 126(5): 735-741. doi: 10.1037/a0029697. PMID: PMC3583377
243. Anderson*, R.I., Agoglia, A.E., Morales, M., Varlinskaya, EI, & Spear, L.P. (2012). Stress, kappa manipulations, and aversion effects of ethanol in adolescent and adult male rats. *Neuroscience*, 249: 214-22. doi: 10.1016/j.neuroscience.2012.12.028. PMID: PMC3670973
244. Spear, L.P. (2013). Adolescent Neurodevelopment. *Journal of Adolescent Health*, 52(2S2), S2-S13.
245. Morales*, M., & Spear, L.P. (2013). Differences in sensitivity to ethanol-induced conditioned taste aversions emerge after pre- or post-pubertal gonadectomy in male and female rats. *Behavioral Brain Research*, 240, 69-75. doi: 10.1016/j.bbr.2012.11.020. PMID: PMC3538918
246. Varlinskaya, E. I., Vogt, B., & Spear, L. P. (2013). Social context induces two unique patterns of c-Fos expression in adolescent and adult rats. *Developmental Psychobiology*, 55 (7): 684-697.. doi: 10.1002/dev.21064. PMID: PMC3488116

247. Spear, L.P. (2013). The Teenage Brain: Adolescents and Alcohol. *Current Directions in Psychological Science*, 22(2): 152-157. doi: 10.1177/0963721412472192. PMID: PMC4192652
248. Spear, L.P. (2013). The role of brain development in drug effect and drug response. In Miller (Ed.), *Biological Research on Addiction* (First ed., Vol. 2, pp. 271-280). San Diego: Elsevier Inc.
249. Anderson*, R.I., Morales*, M., Spear, L.P., & Varlinskaya, E.I. (2013). Pharmacological activation of kappa opioid receptors: aversive effects in adolescent and adult male rats. *Psychopharmacology*, 231(8): 1687-93. doi: 10.1007/s00213-013-3095-8 PMID: 23604334 PMID: PMC3760984
250. Varlinskaya, E.I., Vetter-O'Hagen*, C.S., & Spear, L.P. (2013). Puberty and gonadal hormones: role in adolescent-typical behavioral alterations. *Hormones and Behavior*, 64: 343-49. doi: 10.1016/j.yhbeh.2012.11.012 PMID: PMC3761212
251. Willey*, A.R., & Spear, L.P. (2013). The effects of pre-test social deprivation on a natural reward incentive test and concomitant 50 kHz ultrasonic vocalization production in adolescent and adult male Sprague-Dawley rats. *Behavioural Brain Research*, 245: 107-112. doi: 10.1016/j.bbr.2013.02.020. PMID: PMC3615038
252. Broadwater*, M.A., Varlinskaya, E.I., & Spear, L.P. (2013). Effects of voluntary access to sweetened ethanol during adolescence on intake in adulthood. *Alcoholism Clinical & Experimental Research*, 37(6): 1048-1055. doi: 10.1111/acer.12049. PMID: PMC3657579
253. Willey*, A.R., & Spear, L.P. (2013). Effects of acute ethanol administration and chronic stress exposure on social investigation and 50 khz ultrasonic vocalizations in adolescent and adult male Sprague-Dawley rats. *Pharmacology, Biochemistry and Behavior*, 105C: 17-25. doi: 10.1016/j.pbb.2013.01.012. PMID: PMC3736587
254. Day, A., Celio, M.A., Lisman, S.A., Johansen, G.E., & Spear, L.P. (2013). Acute and chronic effects of alcohol on trail making test performance among underage drinkers in a field setting. *Journal of Studies on Alcohol and Drugs*, 74(4): 635-641. PMID: PMC3711354
255. Acevedo, M., Pautassi, R.M., Spear, N.E., & Spear, L.P. (2013). Age-dependent effects of stress on ethanol-induced motor activity in rats. *Psychopharmacology*, 230: 389-98. doi:10.1007/s00213-013-3163-0. PMID: PMC3859917
256. Morales*, M., Anderson*, R. I., Spear, L. P., & Varlinskaya, E. I. (2013). Effects of the kappa opioid receptor antagonist, nor-binaltorphimine, on ethanol intake: impact of age and sex. *Developmental Psychobiology*, 56(4): 700-12. doi:10.1002/dev.21137. PMID: 23754134 PMID: PMC4074415
257. Morales*, M., Varlinskaya, E.I., & Spear, L.P. (2013). Anxiolytic effects of the GABA_A receptor partial agonist, L-838,417: Impact of age, test context familiarity, and stress. *Pharmacology, Biochemistry and Behavior*, 109: 31-37. doi: 10.1016/j.pbb.2013.05.004 PMID: 23664899 PMID: PMC3765038
258. Morales*, M., Varlinskaya, E.I., & Spear, L.P. (2013). Low doses of the NMDA receptor antagonists, MK-801, PEAQX, and ifenprodil, induces social facilitation in adolescent male rats. *Behavioural Brain Research*, 250:18-22. doi: 10.1016/j.bbr.2013.04.050 PMID: 23651880 PMID: PMC3700340

259. Broadwater*, M.A., & Spear, L.P. (2013). Age differences in fear retention and extinction: effects of ethanol exposure during conditioning. *Behavioural Brain Research*, 252: 377-87. doi: 10.1016/j.bbr.2013.06.029. PMID: 23810415 PMCID: PMC3763748
260. Broadwater*, M.A., & Spear, L.P. (2013). Consequences of ethanol exposure on cued and contextual fear conditioning and extinction differ depending on timing of exposure during adolescence or adulthood. *Behavioural Brain Research*, 256: 10-19. doi: 10.1016/j.bbr.2013.08.013. PMCID: PMC3816365
261. Anderson*, R.I., & Spear, L.P. (2013). Age differences in ethanol discrimination: acquisition and ethanol dose generalization curves following multiple training conditions in adolescent and adult rats. *Alcoholism: Clinical and Experimental Research*, 38(1): 186-94. doi: 10.1111/acer.12255. PMID: 23952249 PMCID: 3859845
262. Morales*, M., & Spear, L.P. (2013). The effects of an acute challenge with the NMDA receptor antagonists, MK-801, PEAQX, and ifenprodil, on social inhibition in adolescent and adult male rats. *Psychopharmacology*, 231(8): 1797-807. doi: 10.1007/s00213-01303278-3. PMID: 24043344 PMCID: PMC3956710
263. Anderson*, R.I., Bush, P.C., & Spear, L.P. (2013). Environmental manipulations alter age differences in attribution of incentive salience to reward-paired cues. *Behavioural Brain Research*, 257: 83-89. doi:10.1111/acer/12049. PMCID: PMC3845669
264. Celio, M.A., Usala*, J.M., Lisman, S.A., Johansen, G.E., Vetter-O'Hagen, C.S., & Spear, L.P. (2013). Are we drunk yet? Motor versus cognitive cues of subjective intoxication. *Alcoholism: Clinical and Experimental Research*, 38(2): 538-44. doi:10.1111/acer12276. PMID: 24117655 PMCID: PMC4314937
265. Varlinskaya, E.I., Truxell, E.M. & Spear, L.P. (2013). Repeated restraint stress alters to the social consequences of ethanol differentially in early and adolescent rats. *Pharmacology, Biochemistry and Behavior*, 113:38-45. doi:10.1016/j.pbb.2013.10.016. PMCID: PMC3889217
266. Spear, L.P. (2013). Adolescents and alcohol: Acute sensitivities, enhanced intake, and later consequences. *Neurotoxicology and Teratology*, 41: 51-59. doi: 10.1016/j.ntt.2013.11.006. PMID: 24291291 PMCID: PMC3943972
267. Broadwater*, Margaret A. & Spear, L.P. (2013). Tone conditioning potentiates rather than overshadows context fear in adult animals following adolescent ethanol exposure. *Developmental Psychobiology*, 56(5): 1150-55. doi:10.1002/dev.21186 PMID: 24339140
268. Day, A.M., Celio, M.A., Lisman, S.A. & Spear, L.P. (2014). Gender, history of alcohol use and number of drinks consumed predict craving among drinkers in a field setting. *Addictive Behaviors*, 39(1):354-57. doi:10.1016/j.addbeh.2013.10.014. PMID: 24148138 PMCID: PMC3858474
269. Morales*, M., Schatz**, K.C., Anderson, R.I., Spear, L.P. & Varlinskaya, E.I. (2014). Conditioned taste aversion to ethanol in a social context: Impact of age and sex. *Behavioural Brain Research*, 261: 323-27. doi: 10.1016/j.bbr.2013.12.048 PMID: 24406726 PMCID: PMC3955706
270. Broadwater*, M.A. & Spear, L.P. (2014). Consequences of adolescent or adult ethanol exposure on tone and context fear retention: Effects of an acute ethanol challenge during conditioning.

Alcoholism: Clinical and Experimental Research., 38(5): 1454-60. doi: 10.1111/acer.12382.
PMID: 24588350

271. Willey*, A.R. & Spear, L.P. (2014). Effects of ethanol on social approach and 50kHz ultrasonic vocalization production in adolescent male Sprague-Dawley rats. *Developmental Psychobiology*, 56(4): 857-63. doi: 10.1002/dev.21143. PMID: 24122618
272. Spear, L.P. & Swartzwelder, H.S. (2014). Adolescent alcohol exposure and persistence of adolescent-typical phenotypes into adulthood: a mini-review. *Neuroscience and Biobehavioral Reviews*, 45: 1-8. doi: 10.1016/j.neubiorev.2014.04.012. PMID: 24813805 PMCID: PMC4134704
273. Morales*, M., Varlinskaya, E.I. & Spear, L.P. (2014). Pre-pubertal gonadectomy and the social consequences of acute ethanol in adolescent males and female rats. *Hormones and Behavior*. doi: 10.1016/j.yhbeh.2014.04.015. PMID: 24816080 PMCID: PMC4127139
274. Varlinskaya, E.I., Truxell, E.M. & Spear, L.P. (2014). Chronic intermittent ethanol during adolescence: effects on social behavior and ethanol sensitivity in adulthood. *Alcohol*, 48(5): 433-44. doi: 10.1016/j.alcohol.2014.01.012. PMID: 24928792 PMCID: PMC4096834
275. Saalfeld*, J. & Spear, L.P. (2014). Developmental differences in the effects of alcohol and stress on heart rate variability. *Physiology & Behavior*. 135: 72-80. doi: 10.1016/j.physbeh.2014.05.037. PMID: 24907690 [PubMed – indexed for MEDLINE]
276. Broadwater*, M.A., Liu, W., Crews, F.T., & Spear, L.P. (2014). Persistent loss of hippocampal neurogenesis and increased cell death following adolescent, but not adult, chronic ethanol exposure. *Developmental Neuroscience*, 36(3-4): 297-305. doi: 10.1159/000362874. PMID: 24993092 PMCID: PMC4125431
277. McClory*, A.J. & Spear, L.P. (2014). Effects of ethanol exposure during adolescence or in adulthood on Pavlovian conditioned approach in Sprague-Dawley rats. *Alcohol*, 48(755-63). doi: 10.1016/j.alcohol.2014.05.006. PMID: 25449366 PMCID: PMC4254554
278. Vetreno, R.P., Broadwater, M.A., Liu, W., Spear, L.P. & Crews, F.T. (2014). Adolescent, but not adult, binge ethanol exposure leads to persistent global reductions of choline acetyltransferase expressing neurons in brain. *PLOS ONE*, 9(11):e113421. doi: 10.1371/journal.pone.0113421. PMID: 25405505 PMCID: PMC4236188
279. Usala*, J.M., Celio, M.A., Lisman, S.A., Day, A.M. & Spear, L.P. (2014). A field investigation of the effects of drinking consequences on young adults' readiness to change. *Addictive Behaviors*, 41(162-68). doi: 10.1016/j.addbeh.2014.10.016. PMID: 25452061 PMCID: PMC4314315
280. Varlinskaya, E.I. & Spear, L.P. (2014). Social consequences of ethanol: impact of age, stress and prior history of ethanol exposure. *Physiology & Behavior*, S0031-9384(14) 00595-2. doi: 10.1016/j.physbeh.2014.11.064 PMID: 25431835 PMCID: PMC4444396
281. Varlinskaya, E.I., Truxell, E.M. & Spear, L.P. (2015). Sex differences in sensitivity to the social consequences of acute ethanol and social drinking during adolescence. *Behavioural Brain Research*, 282C: 6-13. doi: 10.1016/j.bbr.2014.12.054. PMID: 25557799 PMCID: PMC4323930

282. Shnitko, T.A., Kennerly, L.C., Spear, L.P. & Robinson, D.L. (2014). Ethanol reduces evoked dopamine release and slows clearance in the rat medial prefrontal cortex. *Alcoholism: Clinical and Experimental Research*, 38(12): 2969-77. doi: 10.1111/acer.12587. PMID: 25581652 PMCID: PMC4293045
283. Varlinskaya, E.I., Truxell, E.M. & Spear, L.P. (2015). Ethanol intake under social circumstances or alone in Sprague-Dawley rats: Impact of age, sex, or social activity and social anxiety. *Alcoholism: Clinical and Experimental Research*, 39(1): 117-25. doi: 10.1111/acer.12604. PMID: 25623411 PMCID: PMC4308818
284. Spear, L.P. (2015). Adolescent alcohol exposure: Are there separable vulnerable periods within adolescence? *Physiology & Behavior*, 148: 122-30. doi: 10.1016/j.physbeh.2015.01.027. PMID: 25624108 PMCID: PMC4484315
285. Saalfeld*, J. & Spear, L.P. (2015). Consequences of repeated ethanol exposure during early or late adolescence on conditioned taste aversions in rats. *Developmental Cognitive Neuroscience*, S1878-9293(15)00018-3. doi: 10.1016/j.dcn.2015.01.004. PMID: 25698309 PMCID: PMC4512940
286. Kim*, Esther U. & Spear, L.P. (2015). Sex-dependent consequences of pre-pubertal gonadectomy: social behavior, stress and ethanol responsivity. *Behavioural Brain Research*, 296: 260-69. doi: 10.1016/j.bbr.2015.09.022. PMID: 26386303 PMCID: PMC4659761
287. Shnitko, T.A., Spear, L.P. & Robinson, D.L. (2015). Adolescent binge-like alcohol alters sensitivity to acute alcohol effects on dopamine release in the nucleus accumbens of adult rats. *Psychopharmacology (Berl)*, 233(3): 361-71. doi: 10.1007/s00213-0015-4106-8. PMID: 26487039 PMCID: PMC4840100
288. Fernandez, M., Fabio, M.C., Miranda-Morales, R.S., Virgolini, M.B., DeGiovanni, L.N., Acevedo, M.B., Hansen, C., de Olmos, S., Willie-Bille, A., Nizhnikov, M.E., Spear, L.P. & Pautassi, R.M. (2016). Age-related effects of chronic restraint stress on ethanol drinking, ethanol-induced sedation, and on basal and stress-induced anxiety response. *Alcohol*, 51: 89-100. doi: 10.1016/j.alcohol.2015.11.009. PMID: 26830848 PMCID: PMC5123306
289. Saalfeld*, J. & Spear, L.P. (2016). The ontogeny of ethanol aversion. *Physiology & Behavior*, 156: 164-70. doi: 10.1016/j.physbeh.2016.01.011. PMID: 26774181
290. Spear, L.P. (2016). Alcohol consumption in adolescence: A translational perspective. *Current Addiction Reports*, 3(1): 50-61. doi: 10.1007/s40429-016-0088-9.
291. Spear, L. P. (2016). A developmental biological perspective of adolescent substance abuse: animal models. In S. Brown & R. A. Zucker (Eds.), *The Oxford Handbook of Adolescence Substance Abuse*. New York, NY: Oxford University Press. doi: 10.1093/oxfordhob/9780199735662.001.0001
292. Varlinskaya, E.I., Kim*, E.U. & Spear, L.P. (2016). Chronic intermittent ethanol exposure during adolescence: effects on stress-induced social alterations and social drinking in adulthood. *Brain Research Special Issue: Adolescence as a Critical Period for Developmental Plasticity*, 1654 (Pt B): 145-56. doi: 10.1016/j.brainres.2016.03.050. PMID: 27048754 PMCID: PMC5047849

293. Dannenhoffer, C.A.* & Spear, L.P. (2016). Age differences in conditioned place preferences and taste aversions to nicotine. *Developmental Psychobiology*, 58(5): 660-66. doi: 10.1002/dev.21400. PMID: 27027859
294. Spear, L.P. & Silveri, M.M. (2016). Introduction: Special Issue on the Adolescent Brain. *Neuroscience Biobehavioral Reviews Special Issue: "The Adolescent Brain"*, 70: 1-3. doi: 10.1016/j.neubiorev.2016.08.004 PMID: 27497719 PMCID: PMC5605811
295. Spear, L.P. (2016). Consequences of adolescent use of alcohol and other drugs: Studies using rodent models. *Neuroscience and Biobehavioral Reviews Special Issue "The Adolescent Brain"*, 70: 228-43. doi: 10.1016/j.neubiorev.2016.07.026 PMID: 27484868 PMCID: PMC5074861
296. Doremus-Fitzwater, T.L. & Spear, L.P. (2016). Reward-centricity and attenuated aversions: An adolescent phenotype emerging from studies in laboratory animals. *Neuroscience and Biobehavioral Reviews Special Issue "The Adolescent Brain,"* 70: 121-34. doi: 10.1016/j.neubiorev.2016.08.015. PMID: 27524639 PMCID: PMC5612441
297. Treloar, H., Celio, M.A., Lisman, S.A., Miranda Jr., R. & Spear, L.P. (2016). Subjective alcohol responses in a cross-sectional field study of adolescents and young adults: Effects of age, drinking level, and dependence. *Drug and Alcohol Dependence*, 170: 156-63. doi: 10.1016/j.drugalcdep.2016.11.009. PMID: 27918951 PMCID: PMC5218599
298. Hosova, D. & Spear, L.P. (2017). Voluntary binge consumption of ethanol in a sweetened, chocolate-flavored solution by male and female adolescent Sprague-Dawley rats. *Alcoholism: Clinical and Experimental Research*, 41(3): 541-50. doi: 10.1111/acer.13315. PMID: 28195335 PMCID: PMC5499524
299. Hiller-Sturmhofel, S. & Spear, L.P. (2017). Binge drinking's effects on the developing brain – animal models. *Alcohol Research: Current Reviews*, 39 (1): e1-10.
300. Spear, L.P. (2018). Effects of adolescent alcohol consumption on the brain and behavior. *Nature Reviews Neuroscience*, 19: 197-214, doi: 10.1038/nrn.2018.10. PMID: 29467489
301. Dannenhoffer, C.A., Varlinskaya, E.I. & Spear, L.P. (2018). Effects of AMPA receptor antagonist, NBQX, and extrasynaptic GABA, agonist, THIP, on social behavior of adolescent and adult rats. *Physiology & Behavior*, 194: 212-217. doi: 10.1016/j.physbeh.2018.05.024. PMID: 29800836
302. Kim, E.U., Varlinskaya, E.I., Dannenhoffer, C.A. & Spear, L.P. (2018). Adolescent intermittent ethanol exposure: Effects on pubertal development, novelty seeking and social interaction in adulthood. *Alcohol*, doi: 10.1016/j.alcohol.2018.05.002
303. Dannenhoffer, C.A., Kim, E.U., Saalfeld, J., Werner, D.F., Varlinskaya, E.I. & Spear, L.P. (2018). Oxytocin and vasopressin modulation of social anxiety following adolescent intermittent ethanol exposure. *Psychopharmacology*, doi: 10.1007/s00213-018-5003-8.
304. Varlinskaya, E.I., Spear, L.P. & Diaz, M.R. (preprint 8/18). Stress alters social behavior and sensitivity to pharmacological activation of kappa opioid receptors in an age-specific manner in Sprague-Dawley rats. *Neurobiology of Stress*, doi: 10.1101/399758

- *. Dannenhoffer, C. & Spear, L.P. (submitted 7/18). Excitatory/inhibitory balance across ontogeny contribute to age-specific behavioral outcomes of ethanol-like challenge in conditioned taste aversion. *Physiology & Behavior*.
- *. Dannenhoffer, C.A., Hosova, D., Dang, S., Dang, U. & Spear, L.P. (submitted 7/18). Critical variables to be considered when attempting to estimate blood ethanol concentrations in rats from g/kg exposure data. *Alcoholism: Clinical and Experimental Research*.
- *. Towner, T.T., Fager, M. & Spear, L.P. (submitted 9/18). Adolescent but not adult Sprague-Dawley rats display goal-directed responding after reward devaluation. *Developmental Psychobiology*.
- *. Hosova, D. & Spear, L.P. (submitted 9/18). Voluntary binge-like ethanol consumption in adolescent Sprague-Dawley rats: procedural contributors to age-specificity. *Alcohol*.

Oral Presentations and Posters:

* indicates graduate student co-author; ** indicates undergraduate student co-author

1. Lanier, L.P. & Isaacson, R.L. (1974). *The effects of early hippocampal damage on open field activity, responsiveness to amphetamine and passive avoidance behavior*. International Society for Developmental Psychobiology, St. Louis, Missouri.
2. Weis, B.J., Lanier, L.P., Van Hartesveldt, C. & Isaacson, R. (1975). *Effects of differential hippocampal damage upon rhythmic and stress-induced corticosterone secretion in the rat*. Southeastern Psychological Association, Atlanta, Georgia.
3. Lanier, L.P. & Isaacson, R.L. (1975, November). *Developmental changes in the locomotor stimulant effects of D-1 amphetamine*. Society for Neuroscience, New York, New York.
4. Lanier, L.P. & Isaacson, R.L. (1976, November). *Altered responsiveness to receptor-stimulating drugs alter hippocampal damage*. Society for Neuroscience, Toronto, Ontario.
5. Spear, L.P. (1977). *Ontogenetic patterns of the behavioral response to drugs*. Ontogeny of Learning and Memory Symposium, Binghamton, New York (invited presentation).
6. Spear, L.P. (1978). *Chronic administration of haloperidol during development: Psychopharmacological investigations. Workshop entitled, "Biochemical correlates of neural and behavioral development."* Winter Conference on Brain Research, Keystone, Colorado (invited presentation).
7. Brick*, J. & Spear, L.P. (1978). *Cocaine-induced behavior in the developing rat*. Eastern Psychological Association, Washington, D.C.
8. Spear, L.P. (1978). *Chronic administration of drugs during the retention interval: Influence on retention scores*. Soviet-American Symposium on the Neurophysiological Mechanisms of Goal-Directed Behavior and Learning, Irvine, California (invited presentation).
9. Shalaby*, I.A., Spear, L.P. & Brick*, J. (1978, November). *Long-term effects of haloperidol administration during development*. Society for Neuroscience, St. Louis, Missouri.
10. Infurna*, R.N. & Spear, L.P. (1978, November). *Developmental changes in amphetamine-induced taste aversions*. International Society for Development Psychobiology, St. Louis, Missouri.

11. Shalaby*, I.A. & Spear, L.P. (1979, November). *Psychopharmacological effects of apomorphine during ontogeny*. Society for Neuroscience, Atlanta, Georgia.
12. Caza*, P.A. & Spear, L.P. (1980, April). *Ontogenesis of morphine-induced behavior in the rat*. Eastern Psychological Association, Hartford, Connecticut.
13. Ristine*, L.A. & Spear, L.P. (1980, November). *Early ontogenetic responses to the serotonergic agonist, quipazine*. International Society for Developmental Psychobiology, Cincinnati, Ohio.
14. Spear, L.P. & Ristine*, L.A. (1980, November). *Methysergide inhibition of suckling behavior in neonatal rat pups*. International Society for Developmental Psychobiology, Cincinnati, Ohio.
15. Shalaby*, I.A., Dendel, P.S. & Spear, L.P. (1980, November). *Functional ontogeny of dopamine presynaptic receptor regulation*. Society for Neuroscience, Cincinnati, Ohio.
16. Ristine*, L.A. & Spear, L.P. (1980, November). *Early ontogenetic responses to the serotonergic agonist, quipazine*. Society for Neuroscience, Cincinnati, Ohio.
17. Barrett*, B.A., Caza*, P., Spear, L.P. & Spear, N.E. (1981, April). *Psychopharmacological effects of D1-amphetamine in the presence of odors from the home nest*. Eastern Psychological Association, New York, New York.
18. Caza*, P., Miller**, A., Kozinn**, S. & Spear, L.P. (1981, April). *Pharmacological manipulation of milk-induced behavioral activation in three-day old rats*. Eastern Psychological Association, New York, New York.
19. Hardy*, C.A. & Spear, L.P. (1981, October). *The effects of gonadectomy on haloperidol-induced catalepsy in the rat*. Society for Neuroscience, Los Angeles, California.
20. Ristine*, L.A. & Spear, L.P. (1981, November). *Effects of serotonergic and cholinergic antagonists on suckling behavior of neonatal, infant and weanling rat pups*. International Society for Developmental Psychobiology, New Orleans, Louisiana.
21. Barrett*, B.A., Spear, N.E. & Spear, L.P. (1981, November). *Catecholaminergic antagonists and home nest odors attenuate shock-induced wall climbing in 10-day old rat pups*. International Society for Developmental Psychobiology, New Orleans, Louisiana.
22. Spear, L.P. (1981, November). *Psychopharmacology and the neonatal rat pup. Symposium entitled "Drugs as tools to investigate developing brain-behavioral relationships."* International Society for Developmental Psychobiology, New Orleans, Louisiana (invited presentation).
23. Barrett*, B., Rizzo*, T., Spear, N.E. & Spear, L.P. (1982, April). *Stimulus selection in passive avoidance learning and retention of weanling, periadolescent and young adult rats*. Eastern Psychological Association, Baltimore, Maryland.
24. Scalzo*, F.M. & Spear, L.P. (1982, October). *Food and/or maternal deprivation differentially affect serotonin and 5-hydroxyindoleacetic acid in neonatal and weanling rat pups*. International Society for Developmental Psychobiology, Minneapolis, Minnesota.
25. Ristine*, L.A. & Spear, L.P. (1982, October). *Parity of the maternal female influences suckling of weanling age offspring*. International Society for Developmental Psychobiology, Minneapolis, Minnesota.

26. Scalzo*, F. & Spear, L.P. (1982, October). *The functional ontogeny of dopamine autoreceptors in the nucleus accumbens, olfactory tubercles and striatum in the rat.* Society for Neuroscience, Minneapolis, Minnesota.
27. Barrett*, B.A., Spear, N.E. & Spear, L.P. (1983, April). *The effect of home nest odors on clonidine-induced wall climbing in 10-day old rat pups.* Eastern Psychological Association, Philadelphia, Pennsylvania.
28. Spear, L.P., Ristine*, L.A. & Scalzo*, F.M. (1983, November). *Nascent neurotransmitter systems and the modulation of ontogenetic adaptations: Suckling behavior.* International Society for Developmental Neuroscience, Salt Lake City, Utah.
29. Meehan*, S., Spear, L.P. & Spear, N.E. (1983, November). *Ontogenetic alterations in preference for home and adult shavings and conditioning in the 25-, 35-, and 45-day old rat.* International Society for Developmental Psychobiology, Hyannis, Massachusetts.
30. Ristine*, L.A. & Spear, L.P. (1983, November). *Serotonin and mouthing in neonatal rat pups.* International Society for Developmental Psychobiology, Hyannis, Massachusetts.
31. Scalzo*, F.M. & Spear, L.P. (1983, November). *Effects of chronic haloperidol administration during development on dopamine autoreceptors.* International Society for Developmental Psychobiology, Hyannis, Massachusetts.
32. Scalzo*, F.M. & Spear, L.P. (1983, November). *Food deprivation increases 5HT and 5HIAA in neonates but not older rat pups.* Society for Neuroscience, Boston, Massachusetts.
33. Spear, L.P. (1983, November). *Deprivation, serotonin and an independent-ingestion associated behavior pattern. Symposium entitled, "Neural mechanisms underlying the development of independent ingestion."* International Society for Developmental Psychobiology, Hyannis, Massachusetts (invited presentation).
34. Spear, L.P. (1984). *The neural mediation of age-specific behaviors. Session entitled, "Developmental Plasticity."* Winter Conference on the Neurobiology of Learning and Memory, Park City, Utah (invited presentation).
35. Emerich**, D.F. & Spear, L.P. (1984, April). *The effects of 6-hydroxydopamine on shock precipitated wall climbing in infant rat pups.* Eastern Psychological Association, Baltimore, Maryland.
36. Scalzo*, F.M. & Spear, L.P. (1984, October). *Effect of chronic haloperidol administration during development on dopamine autoreceptors in young and older adult rats.* Society for Neuroscience, Anaheim, California.
37. Linville*, D.G., Emerich**, D.F. & Spear, L.P. (1984, October). *Cholinergic inhibition of clonidine-induced wall climbing in infant and preweanling rat pups.* International Society for Developmental Psychobiology, Baltimore, Maryland.
38. Enters*, E.K., Scalzo*, F.M. & Spear, L.P. (1984, October). *Drug- and environmental-induced manipulations of the opiate and serotonergic systems influence pain sensitivity in neonatal rat*

- pups. International Society for Developmental Psychobiology, Baltimore, Maryland.
39. Molina, J., Serwatka*, J., Spear, L.P. & Spear, N.E. (1984, October). *Ethanol odor experiences affect ethanol intake in preweanling but not adult rats.* International Society for Developmental Psychobiology, Baltimore, Maryland.
 40. Linville*, D.G., Specht*, S.M., Emerich**, D.F. & Spear, L.P. (1985, March). *Neurotransmitter modulation of behavioral activation induced by intraoral milk infusions in neonatal rat pups: A psychopharmacological investigation.* Eastern Psychological Association, Boston, Massachusetts.
 41. Spear, L.P. & Scalzo*, F.M. (1985). *Chronic haloperidol during ontogeny attenuates dopamine autoreceptor function in striatal and mesolimbic brain regions of young and older adult rats.* Behavioral Teratology Society, Pine Mountain, Georgia.
 42. Spear, L.P., Enters*, E.K. & Linville*, D.G. (1985). *Age-specific behaviors as tools for examining teratogen-induced neural alterations.* Collaborative Behavioral Teratology Study Symposium and Workshop, Cincinnati, Ohio (invited presentation).
 43. Enters*, E.K. & Spear, L.P. (1985, October). *Serotonergic agonist and antagonist effects on mouthing and ingestion independent of the dam in 3-4 and 10-11 day old rat pups.* Society for Neuroscience, Dallas, Texas.
 44. Hoffmann*, H., Molina, J.C., Spear, L.P. & Spear, N.E. (1985, October). *Prenatal alcohol exposure during gestational Day 8 affects sensory-motor maturation and alcohol responsiveness in rats.* International Society for Developmental Psychobiology, Dallas, Texas.
 45. Ristine-Noonan*, L. & Spear, L.P. (1985, October). *Mouthing and milk intake of neonatal rats decrease following administration of a serotonergic antagonist.* International Society for Developmental Psychobiology, Dallas Texas.
 46. Scalzo*, F.M. & Spear, L.P. (1985, October). *Locus coeruleus lesions in 3-day-old rat pups: Effects on age-specific behaviors and associative ability.* International Society for Developmental Psychobiology, Dallas, Texas.
 47. Linville*, D.G., Penson**, J. & Spear, L.P. (1986, April). *GABA and behavioral inhibition in the neonatal rat pup.* Eastern Psychological Association, New York, New York.
 48. Spear, L.P. (1986). *The neonate is not merely an incomplete adult: Ontogenetic transitions in the influence of serotonin on suckling.* Midwestern Psychological Association, Chicago, Illinois (invited presentation).
 49. Spear, L.P., Enters*, E.K. & Linville*, D.G. (1986, July). *Use of age-specific behaviors as functional indices of possible neural alterations induced by behavioral teratogens.* Behavioral Teratology Society, Boston, Massachusetts.
 50. Spear, L.P. (1986). *Drug-vulnerable events in neuronal development: Implications for the selection of test methodologies in neurobehavioral teratological research.* NIDA Technical Review Meeting on Neural Adaptation in Response to Intrinsic and Extrinsic Factors: Role in Drug Abuse (invited presentation).

51. Spear, L.P., Enters*, E.K. & Tousman*, S. (1986, November). *Apparent environmentally-induced alterations in the activity of the opiate and serotonergic systems alter nociception in neonatal rat pups. Symposium entitled, "The pharmac-ontogeny of opiate-induced analgesia."* International Society for Developmental Psychobiology, Annapolis, Maryland (invited presentation).
52. Specht*, S.M. & Spear, L.P. (1986, November). *Ontogeny of histamine-elicited drinking: Implications for the development of food-related drinking.* International Society for Developmental Psychobiology, Annapolis, Maryland.
53. Kirstein*, C.L., Spear, N.E., Riley, E.P. & Spear, L.P. (1986, November). *Effects of prenatal ethanol exposure on forebrain and hindbrain dopamine, serotonin and 5-hydroxyindole-acetic acid levels in 21 day-old rat pups.* International Society for Developmental Psychobiology, Annapolis, Maryland.
54. Specht*, S.M., Spear, L.P. (1986, November). *Histamine elicits drinking which can be inhibited by H₁ and H₂ antagonism in weanling rats.* Society for Neuroscience, Washington, D.C.
55. Specht*, S.M., Winne**, D.R., Yoottanasumpun**, V.U. & Spear, L.P. (1986, April). *Histamine may not play a role in spontaneous food-related drinking in weanling rats.* Eastern Psychological Association, Arlington, Virginia.
56. Enters*, E.K., Yoottanasumpun**, V.U., Bell**, J. & Spear, L.P. (1986, April). *Serotonergic and opiate antagonist effects on drug and environmentally-induced alterations in nociception.* Eastern Psychological Association, Annapolis, Maryland.
57. Spear, L.P., Kirstein*, C.L., Bell**, J., Greenbaum**, R., O'Shea**, J., Yoottanasumpun**, V., Hoffmann*, H. & Spear, N.E. (1987, June). *Effects of prenatal cocaine on behavior during the early postnatal period in rats.* Behavioral Teratology Society, Palm Springs, California.
58. Kirstein*, C.L. & Spear, L.P. (1987, November). *Pharmacological manipulations of 5HT_{1a}, 5HT_{1b} and 5HT₂ receptors differentially affect mouthing as well as other behaviors in neonatal rat pups.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
59. Enters*, E.K., Specht*, S.M. & Spear, L.P. (1987, November). *Selective 5,7-DHT neurotoxin lesions of B3 raphe nuclei induce hyperalgesia but only slight alterations in suckling in neonatal rat pups.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
60. Specht*, S.M. & Spear, L.P. (1987, November). *Does histamine elicit drinking in weanling rats via activation of the renin-angiotensin system?* International Society for Developmental Psychobiology, New Orleans, Louisiana.
61. Kirstein*, C.L., Greenbaum**, R., Hoffmann*, H., Spear, N.E. & Spear, L.P. (1987, November). *Effects of prenatal cocaine exposure: I. Initial observation and reflex development.* Society for Neuroscience, New Orleans, Louisiana.
62. Spear, L.P., Bell**, J., O'Shea**, J., Yoottanasumpun**, V., Hoffmann*, H., Spear, N.E. & Kirstein*, C. (1987, November). *Effects of prenatal cocaine exposure: II. Behavior, learning and retention of appetitive and aversive odor conditioning in infancy.* Society for Neuroscience, New Orleans, Louisiana.
63. Kirstein*, C.L., Leder**, R., Schwalb**, R.L., Heydayat**, B. & Spear, L.P. (1988, April).

Psychopharmacological manipulations of 5HT_{1a}, 5HT_{1b} and 5HT₂ receptor subtypes induce specific behaviors in neonatal rat pups. Eastern Psychological Association, Buffalo, New York.

64. Spear, L.P., Specht*, S.M., Frambes*, N.A. & Kirstein*, C.L. (1988). *Early functional roles of nascent neurotransmitter systems during development: Serotonin and ingestion-related behaviors.* NIMH Conference on Molecular Neurobiology, Santa Barbara, California.
65. Spear, L.P., Frambes*, N., Kirstein*, C.L., Bell**, J., Rogers**, L., Yootanasumpun**, V. & Spear, N.E. (1988, June). *Neurobehavioral teratogenic effects of prenatal exposure to cocaine.* Behavioral Teratology Society, Palm Springs, Florida.
66. Spear, L.P., Frambes*, N., Kirstein*, C.L., Bell*, J., Rogers**, L., Yootanasumpun**, V. & Spear, N.E. (1988, June). *Chronic cocaine exposure during gestation results in neurobehavioral deficits evident early in ontogeny.* College on Problems of Drug Dependence, North Falmouth, Massachusetts.
67. Spear, L.P. (1988). *Cocaine effects on the developing CNS: Behavioral, psychopharmacological and neurochemical studies.* New York Academy of Sciences, Washington, D.C. (invited presentation).
68. Spear, L.P. (1988, October). *Neurobehavioral teratogenic effects of prenatal cocaine exposure.* International Neurotoxicology Conference, Little Rock, Arkansas (invited presentation).
69. Kirstein*, C.L., Specht*, S.M., Spear, L.P. & Kuhn, C.M. (1988, November). *Anterior and posterior, but not cheek, intraoral cannulation procedures elevate serum corticosterone levels in neonatal rat pups.* International Society for Developmental Psychobiology, Toronto, Canada.
70. Frambes*, N., Kirstein*, C.L. & Spear, L.P. (1988, November). *Fetal and maternal levels of cocaine and benzoylecgonine in brain and plasma following chronic gestational cocaine administration.* International Society for Developmental Psychobiology, Toronto, Canada.
71. Specht*, S.M. & Spear, L.P. (1988, November). *The effects of 5,7-DHT lesions on serotonergic neurons in the dorsal raphe on suckling, and mouthing behavior in neonatal rat pups.* International Society for Developmental Psychobiology, Toronto, Canada.
72. Lariviere*, N., Hoffmann*, H., Riley, E., Spear, L.P. & Spear, N.E. (1988, November). *Effects of prenatal alcohol exposure on conditioning and retention of an odor preference and aversion.* International Society for Developmental Psychobiology, Toronto, Canada.
73. Specht*, S.M., Kirstein*, C.L., Kuhn, C.M. & Spear, L.P. (1988, November). *Corticosterone and growth hormone responses to various experimental procedures in neonatal rat pups.* Society for Neuroscience, Toronto, Canada.
74. Frambes*, N.A., Kirstein*, C.L. & Spear, L.P. (1988, November). *5HT_{1a}, 5HT_{1b} and 5HT₂ agonists produce varying behavioral responses in 17-18 day-old rat pups.* Society for Neuroscience, Toronto, Canada.
75. Kirstein*, C.L., Traber, J., Gispen, W.H. & Spear, L.P. (1989, March). *The effects of serotonergic agonists on ACTH-and novelty-induced behavior in the developing rat.* Eastern Psychological

Association, Boston, Massachusetts.

76. Frambes*, N.A., Moody*, C.A. & Spear, L.P. (1989, March). *The effects of cocaine administration upon the activity of rat pups exposed prenatally to cocaine*. Eastern Psychological Association, Boston, Massachusetts.
77. Spear, L.P. (1989, May). *Behavioral, psychopharmacological and neurochemical consequences of gestational cocaine exposure*. Midwestern Psychological Association, Chicago, Illinois.
78. Spear, L.P., Kirstein*, C.L., Frambes*, N.A. & Moody*, C.A. (1989, June). *Effects of exposure to dopamine agonists: Cocaine as a model agonist*. Behavioral Teratology Society, Richmond, Virginia (invited presentation).
79. Spear, L.P., Kirstein*, C.L., Frambes*, N.A., Moody*, C.A., Miller, J. & Spear, N.E. (1989, June). *Neurobehavioral teratogenic effects of gestational cocaine exposure*. American Psychological Society, Alexandria, Virginia.
80. Spear, L.P. (1989, June). *Neurobehavioral teratogenicity of gestational cocaine exposure*. College on Problems of Drug Dependence, Keystone, Colorado (invited presentation).
81. Kirstein*, C.L., Schrama, L., Glaser, T., Traber, J., Gispen, W.H. & Spear, L.P. (1989). *Effects of 5HT_{1a}, 5HT_{1b} and 5HT₂ agonists on inositol phosphate and cyclic-AMP production during ontogeny*. New York Academy of Sciences, New York, New York.
82. Spear, L.P. (1989). *Neurobehavioral assessment during the early postnatal period*. Methods in Behavioral Toxicology/Teratology, meeting sponsored by NCTR-Associated Universities, Little Rock, AR (invited presentation).
83. Moody*, C.A., Frambes*, N.A. & Spear, L.P. (1989). *Psychopharmacological studies of gestational cocaine exposure: Evidence for enhanced D2 dopamine receptor function*. Methods in Behavioral Toxicology/Teratology, meeting sponsored by NCTR-Associated Universities, Little Rock, Arkansas (student travel award presentation).
84. Leskawa, K.C., Jackson*, G.H., Moody*, C.A. & Spear, L.P. (1989). *Effect of prenatal cocaine exposure on neonatal and maternal brain glycosphingolipids*. Society for Complex Carbohydrates, Ann Arbor, Michigan.
85. Spear, L.P. & Frambes*, N.A. (1989, October). *The effects of the 5HT_{1a} agonist 8-OH-DPAT on ingestion in preweanling and postweanling rat pups*. International Society for Developmental Psychobiology, San Francisco, California.
86. Moody*, C., Frambes*, N.A. & Spear, L.P. (1989, October). *Psychopharmacological evidence for enhanced D2 dopamine receptor function following prenatal cocaine exposure*. International Society for Developmental Psychobiology, San Francisco, California.
87. Leskawa, K.C., Jackson*, G.H., Moody*, C.A. & Spear, L.P. (1989, October). *Prenatal cocaine exposure increases brain ganglioside and neutral glycolipid content of neonatal rats*. Society for Neuroscience, Phoenix, Arizona.
88. Moody*, C.A. & Spear, L.P. (1989, October). *The D2 agonist quinpirole induced non-directed and directed chewing in weanling rat pups*. Society for Neuroscience, Phoenix, Arizona.

89. Spear, L.P. (1990). *Approaches to the assessment of neurotransmitter function following early chemical insults in laboratory animals*. Winter Meeting on Chemicals and Abnormal Development, Lake Placid, New York (invited presentation).
90. Spear, L.P. (1990). *Cocaine: New research findings*. Winter Meeting on Chemicals and Abnormal Development, Lake Placid, New York (invited presentation).
91. Hammer Jr., R.P., Clow, D.W. & Spear, L.P. (1990). *Prenatal cocaine alters u-opiate receptor binding*. American Psychiatric Association, New York, New York.
92. Spear, L.P. (1990, April). *Neurobehavioral consequences of gestational cocaine exposure*. Federation of American Societies for Experimental Biology, Washington, D.C. (invited symposium presentation).
93. Heyser*, C.J. & Spear, L.P. (1990, June). *Effects of subcutaneous administration of cocaine during gestation on maternal and offspring body weights: Three years worth of data*. Neurobehavioral Teratology Society, Victoria, British Columbia (student travel award presentation).
94. Ali, S.F., Scalzo, F.M., Frambes*, N.A. & Spear, L.P. (1990, June). *Prenatal exposure to cocaine in rats produces significant alterations in striatal dopamine (D2) receptor binding in offspring*. Neurobehavioral Teratology Society, Victoria, British Columbia.
95. Hammer Jr., R.P., Clow, D.W. & Spear, L.P. (1990). *Opioid involvement in the rewarding effects of chronic cocaine*. Committee on Physical Dependence and Drug Abuse, Richmond, Virginia.
96. Jagielo, J.A., Miller, J.S., Hunt*, P.S., Spear, L.P. & Spear, N.E. (1990). *The effects of ethanol on conditioned brightness aversions in preweanling rats*. International Society for Biomedical Research on Alcoholism/Research Society on Alcoholism, Toronto, Canada.
97. Moody*, C.A. & Spear, L.P. (1990). *Psychopharmacological responses to combined D1 and D2 receptor stimulation in neonatal, infant and weanling rat pups*. International Society for Developmental Psychobiology, Cambridge, England (student travel award presentation).
98. Heyser*, C., Chen*, W.J., Miller, J., Spear, N.E. & Spear, L.P. (1990). *The effect of prenatal cocaine exposure on sensory preconditioning in infant, preweanling and weanling rat pups*. International Society for Developmental Psychobiology, Cambridge, England (student travel award presentation).
99. Spear, L.P. (1990). *Neurobehavioral consequences of gestational cocaine exposure*. Second Annual NICHD Aspen Conference on Maternal-Fetal-Neonatal Medicine, Aspen, Colorado (invited presentation).
100. Rajachandran*, L., Goodwin*, G. & Spear, L.P. (1990, October). *Behavioral effects of the non-competitive NMDA antagonist MK801 in infant and preweanling rat pups*. Society for Neuroscience, St. Louis, Missouri.
101. Heyser*, C.J., Chen*, W., Miller, J., Spear, N.E. & Spear, L.P. (1990, October). *Gestational exposure to cocaine induced deficits in sensory preconditioning in infant rat pups*. Society for Neuroscience, St. Louis, Missouri.
102. Moody*, C.A. & Spear, L.P. (1990, October). *Self-mutilation induced by combined D1 and D2*

receptor stimulation following substantial acute depletion of dopamine in weanling (but not infant) rat pups. Society for Neuroscience, St. Louis, Missouri.

103. Spear, L.P. (1991). *Neurobehavioral consequences of gestational cocaine exposure.* Winter Conference on Current Issues in Developmental Psychobiology, Cancun, Mexico (invited presentation).
104. Spear, L.P. (1991). *Neurobehavioral effects of gestational cocaine exposure.* NICHD Conference on Cocaine in Pregnancy: Is the fetus affected?, Washington, D.C. (invited presentation).
105. Spear, L.P., Goodwin*, G., Heyser*, C., Moody*, C.A. & Rajachandran*, L. (1991, June). *Neurobehavioral consequences of gestational cocaine exposure.* Committee on Physical Dependence and Drug Abuse, Palm Beach, Florida.
106. Heyser*, C.J., Miller, J.S., Spear, N.E. & Spear, L.P. (1991, June). *Prenatal exposure to cocaine disrupts cocaine-induced conditioned place preference.* Neurobehavioral Teratology Society, Boca Raton, Florida.
107. Moody*, C., Goodwin*, G., Heyser*, C. & Spear, L.P. (1991, June). *A novel nutritional control for transient drug-induced anorexia during pregnancy.* Neurobehavioral Teratology Society, Boca Raton, Florida.
108. Rajachandran*, L., Chen*, W.J., Goodwin*, G.A., Moody*, C.A., Spear, N.E. & Spear, L.P. (1991, June). *Prenatal cocaine exposure alters reactivity to tactile stimulation, but not other social cues.* Neurobehavioral Teratology Society, Boca Raton, Florida.
109. Spear, L.P. (1991, June). *Critical periods for offspring neurobehavioral assessment.* Neurobehavioral Teratology Society, Boca Raton, Florida.
110. Spear, L.P., Goodwin*, G., Heyser*, C., Moody*, C. & Rajachandran*, L. (1991, June). *Neurobehavioral alterations induced by gestational cocaine exposure: A rodent model.* Neurobehavioral Teratology Society, Boca Raton, Florida (invited presentation).
111. Spear, L.P., Goodwin*, G., Heyser*, C. Moody*, C. & Rajachandran*, L. (1991, August). *Gestational cocaine exposure alters neural and behavioral function in rat offspring.* Third IBRO World Congress of Neuroscience, Montreal, Canada.
112. Moody*, C.A., Spear, L.P., Robinson, S.R. & Smotherman, W.P. (1991, November). *Behavioral responses to D1 and D2 receptor manipulation in fetal rat pups.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
113. Goodwin*, G.A., Moody*, C.A. & Spear, L.P. (1991, November). *Prenatal exposure to cocaine increases sensitivity to morphine-induced decreases in ultrasound production of rat pups.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
114. Rajachandran*, L., Heyser*, C.J. & Spear, L.P. (1991, November). *The effects of gestational cocaine exposure on locomotor activity in adult rats.* Society for Neuroscience, New Orleans, Louisiana.
115. Heyser*, C.J., Goodwin*, G.A., Moody*, C.A. & Spear, L.P. (1991, November). *Gestational exposure to cocaine decreases sensitivity to the rewarding properties of cocaine in infant rat*

- pups.* Society for Neuroscience, New Orleans, Louisiana.
116. Moody*, C.A., Rabine**, H. & Spear, L.P. (1991, November). *Evidence for dopamine D2 autoreceptors in neonatal and infant rat pups.* Society for Neuroscience, New Orleans, Louisiana.
 117. Goodwin*, G.A., Heyser*, C.J. & Spear, L.P. (1991, November). *Evidence that somatodendritic 5-HT_{1a} autoreceptors in the dorsal/medial raphe are functional in preweanling rat pups.* Society for Neuroscience, New Orleans, Louisiana.
 118. Spear, L.P. (1992, April). *A rodent model of gestational cocaine exposure: Neurobehavioral effects.* Federation of American Societies for Experimental Biology, Anaheim, California (invited presentation).
 119. de Bartolomeis, A., Austin, M.C., Spear, L.P., Pickar, D. & Crawley, J.N. (1992). *Dopamine receptor mRNA in prenatal cocaine exposure.* American Psychiatric Association, Washington, D.C.
 120. Heyser*, C.J., Spear, N.E. & Spear, L.P. (1992). *Effects of prenatal exposure to cocaine on discrimination learning in adult rats.* College on Problems of Drug Dependence, Keystone, Colorado.
 121. Spear, L.P. (1992). *Issues in developmental neurotoxicology.* Toxicological I Interpretation of Neurobehavioral Data, 18th Rochester Conference on Environmental Toxicity, Rochester, New York (invited presentation).
 122. Heyser*, C.J., Molina, V.A. & Spear, L.P. (1992, June). *A fostering study of the effects of prenatal cocaine exposure: I. Maternal behaviors.* Neurobehavioral Teratology Society, Boca Raton, Florida.
 123. Goodwin*, G.A., Heyser*, C.J., Moody*, C.A., Rajachandran*, L., Molina, V.A., Arnold*, H.M., McKinzie*, D.L., Spear, N.E. & Spear, L.P. (1992, June). *A fostering study of the effects of prenatal cocaine exposure: II. Offspring behavioral measures.* Neurobehavioral Teratology Society, Boca Raton, Florida.
 124. Spear, L.P. (1992, August). *Prenatal cocaine exposure alters offspring's neurobehavioral function: animal model studies.* American Psychological Association, Washington, D.C. (invited presentation).
 125. Heyser* C.J., Goodwin*, G.A., Moody*, C.A., Rajachandran*, L., Miller*, J.S., Chen*, W.J., Arnold*, H., McKinzie*, D.L., Spear, N.E. & Spear, L.P. (1992, May). *The effects of prenatal exposure to cocaine on learning.* First International Behavioral Neuroscience Conference, San Antonio, Texas.
 126. Bannoura*, M.D., Spear, L.P. & Spear, N.E. (1992, October). *The effects of early ethanol self-administration on periadolescent and adult ethanol intake.* International Society for Developmental Psychobiology, Newport Beach, California.
 127. Goodwin*, G.A., Molina, V. & Spear, L.P. (1992, October). *Increasing the period of separation of a litter from its parents decreases ultrasonic vocalizations: Reversal by naloxone.* International Society for Developmental Psychobiology, Newport Beach, California.

128. Molina, V.A., Heyser*, C.J. & Spear, L.P. (1992, October). *Chronic variable stress enhances the stimulatory action of low doses of morphine: Reversal by desipramine.* Society for Neuroscience, Anaheim, California.
129. Heyser*, C.J., Rajachandran*, L., Spear, N.E. & Spear, L.P. (1992, October). *The effects of prenatal exposure to cocaine on the discriminative properties of cocaine in adult rats.* Society for Neuroscience, Anaheim, California.
130. de Bartolomeis, A., Austin, M.C., Spear, L.P., Pickar, D. & Crawley, J.N. (1992, October). *Concentrations of dopamine D-1 and D-2 receptor and enkephalin mRNA's in rat caudate and nucleus accumbens after prenatal cocaine treatment.* Society for Neuroscience, Anaheim, California.
131. Goodwin*, G.A., Athalie*, F. & Spear, L.P. (1992, October). *Evidence for an enhanced psychopharmacological response to mu receptor stimulation in animals prenatally exposed to cocaine.* Society for Neuroscience, Anaheim, California.
132. Moody*, C.A. & Spear, L.P. (1992, October). *Dopaminergic modulation of latent inhibition in preweanling rat pups.* Society for Neuroscience, Anaheim, California.
133. Rajachandran*, L., Spear, N.E. & Spear, L.P. (1992, October). *Acute ethanol disrupts pattern conditioning but not context conditioning in adolescent and adult animals.* Society for Neuroscience, Anaheim, California.
134. Brasser*, S.M., McKinzie*, D.L., Molina, J.C., Spear, L.P. & Spear, N.E. (1993, March). *Ethanol intoxication promotes odor and texture aversions in the infant rat.* Midwestern Psychological Association, Chicago, Illinois.
135. McKinzie*, D.L., Lee*, J., Spear, L.P. & Spear, N.E. (1993, March). *The effects of ethanol on conditioning to CS and context in the preweanling rat.* Midwestern Psychological Association, Chicago, Illinois.
136. Spear, L.P. (1993). *Alteration in cognitive functioning and stress responsivity following prenatal cocaine exposure in animals.* Third Annual Conference of the Center for Human Development and Developmental Disabilities: Developmental Outcomes and Toxins, New Brunswick, New Jersey (invited presentation).
137. Heyser*, C.J., Molina, V.A. & Spear, L.P. (1993, June). *Chronic variable stress or chronic morphine increases immobility in a forced swim test: Reversal by naloxone.* College on Problems of Drug Dependence, Toronto, Canada.
138. Bannoura*, M.D., Spear, L.P. & Spear, N.E. (1993, June). *The effects of early ethanol exposure on later ethanol preference.* Research Society on Alcoholism, San Antonio, Texas.
139. Spear, L.P., Rajachandran*, L. & Spear, N.E. (1993, June). *Effects of ethanol and the 5HT₃ antagonist MDL 72222 on visual pattern conditioning in periadolescent and adult rats.* Research Society on Alcoholism, San Antonio, Texas.
140. Wagner*, J.M., Molina, V.A. & Spear, L.P. (1993, June). *Prenatal cocaine exposure alters the behavioral response to stress.* Neurobehavioral Teratology Society, Tucson, Arizona.

141. Wood*, R.D. & Spear, L.P. (1993, June). *Observational learning in the periadolescent rat following prenatal exposure to cocaine.* Neurobehavioral Teratology Society, Tucson, Arizona.
142. Heyser*, C.J. & Spear, L.P. (1993, June). *A comparison of body weight gain and intake of food and water in pregnant and nonpregnant rats receiving cocaine.* Neurobehavioral Teratology Society, Tucson, Arizona.
143. Spear, L.P. (1993). *Pharmacological and stress vulnerability of offspring.* NIDA Technical Review: Behaviors of Drug-Exposed Offspring: Research Update, Washington, D.C. (invited presentation).
144. Heyser*, C.J., McKinzie*, D.L., Athalie*, F., Spear, N.E. & Spear, L.P. (1993, November). *The effects of prenatal exposure to cocaine on heart rate and nonassociative learning in infant rats.* Society for Neuroscience, Washington, D.C.
145. Molina, V.A., Heyser*, C.J. & Spear, L.P. (1993, November). *Repeated cocaine facilitates immobility during a novel stressful situation.* Society for Neuroscience, Washington, D.C.
146. Wagner*, J.M., Brasser*, S.M., Kaufman**, M.R., Roepe**, S.B., Spear, N.E. & Spear, L.P. (1993, November). *Greater negative transfer of passive to active avoidance learning in animals prenatally exposed to cocaine.* Society for Neuroscience, Washington, D.C.
147. Wood*, R.D., Molina, V.A., Wagner*, J.M. & Spear, L.P. (1993, November). *Prenatal exposure to cocaine alters later responsiveness to an uncontrollable stressor in periadolescent as well as adult rats.* Society for Neuroscience, Washington, D.C.
148. Goodwin*, G.A., Molina, V.A. & Spear, L.P. (1993, November). *Repeated exposure of rat pups to isolation decreases ultrasonic vocalization rates: Reversal with naltrexone.* Society for Neuroscience, Washington, D.C.
149. Goodwin*, G.A. & Spear, L.P. (1993, November). *Assessment of c-fos protein immunoreactivity during olfactory conditioning in neonatal rats.* International Society for Developmental Psychobiology, Alexandria, Virginia.
150. Wood*, R.D., Molina, V.A., Wagner*, J.M. & Spear, L.P. (1993, November). *Play behavior in the juvenile rat following prenatal exposure to cocaine and postnatal stress.* International Society for Developmental Psychobiology, Alexandria, Virginia.
151. Lonstein*, J.S., Chen*, W.J., Spear, L.P. & Spear, N.E. (1993, November). *Ethanol antagonist, RO15-4513, failed to disrupt latent inhibition in preweanling and periadolescent rats.* International Society for Developmental Psychobiology, Alexandria, Virginia.
152. Spear, L.P. (1994). *Neurobehavioral consequences of developmental cocaine exposure.* Behavioral Toxicology Society, Cambridge, Massachusetts (invited presentation).
153. Laviola, G., Wood*, R.D. & Spear, L.P. (1994, May). *Behavioral response to cocaine in periadolescence: Attenuated sensitivity to acute exposure but adult-like behavioral sensitization.* International Behavioral Neuroscience Society, Clearwater, Florida.
154. Wood*, R.D., Tirelli, E., Heyser*, C.J. & Spear, L.P. (1994, May). *Behavioral sensitization to cocaine in preweaning rat pups.* International Behavioral Neuroscience Society, Clearwater,

Florida.

155. Goodwin*, G.A. & Spear, L.P. (1994, May). *Behavioral and neurohormonal responses to both repeated and acute stressor exposure in weanling animals prenatally exposed to cocaine.* International Behavioral Neuroscience Society, Clearwater, Florida.
156. Heyser*, C.J., Spear, N.E. & Spear, L.P. (1994). *Effects of prenatal exposure to cocaine on spatial learning in adult rats.* College on Problems of Drug Dependence, Palm Beach, Florida.
157. Spear, L.P. (1994, September). *Age-dependent behaviors and developmental psychopharmacology in the context of neurobehavioral teratology.* Fifth Meeting of the European Behavioural Pharmacology Society, Berlin, Germany (invited presentation).
158. Spear, L.P. (1994). *Long-term developmental outcome after prenatal cocaine exposure.* Joint International Child Neurology Association/Child Neurology Society Satellite Symposium, Portland, Oregon (invited presentation).
159. Wagner*, J.M., Bliven*, T.D., Athalie*, F. & Spear, L.P. (1994, October). *Behavioral response to chronic stress: An investigation of behavior during and after a stressful experience.* First World Congress on Stress, Bethesda, Maryland.
160. Wood*, R.D. & Spear, L.P. (1994, November). *Responsiveness to acute and chronic cocaine challenges in adult rats exposed prenatally to cocaine.* International Society for Developmental Psychobiology, Islamorada, Florida.
161. Spear, L.P. (1994, November). *Behavioral consequences of prenatal cocaine exposure.* Society for Neuroscience 11th Annual Satellite Symposium, Miami Beach, Florida (invited presentation).
162. Laviola, G., Wood*, R.D., Kuhn, C., Francis, R. & Spear, L.P. (1994, November). *Repeated cocaine administration in periadolescent and adult rats: Behavioral but not hormonal evidence for sensitization.* Society for Neuroscience, Miami Beach, Florida.
163. Wood*, R.D. & Spear, L.P. (1994, November). *Prenatal exposure to cocaine does not affect social dominance in a water competition task.* Society for Neuroscience, Miami Beach, Florida.
164. Hecht*, G.S., Athalie*, F., Spear, N.E. & Spear, L.P. (1994, November). *The effects of prenatal exposure to cocaine and maternal separation on heart rate and nonassociative learning in infant rats.* Society for Neuroscience, Miami Beach, Florida.
165. Spear, L.P. (1995, January). *Behavioral teratology.* Workshop on Risk Assessment of Neurobehavioral Toxicity, Committee on Toxicology, National Research Council, Irvine, California (invited presentation).
166. Wood*, R.D. & Spear, L.P. (1995, June). *Altered sensitization to cocaine following prenatal cocaine exposure.* College on Problems of Drug Dependence, Scottsdale, Arizona.
167. Bannoura*, M.D., Varlinskaya, E.I., Petrov, E.S., Spear, L.P. & Spear, N.E. (1995, June). *Early social experience, alcohol intake and aggression.* Research Society on Alcoholism, Steamboat Springs, Colorado.
168. Spear, L.P. (1995, November). *Vulnerability versus resiliency: Neurobehavioral consequences of*

- prenatal cocaine exposure. International Society for Developmental Psychobiology, San Diego, California (Presidential Address).*
169. Campbell*, J. & Spear, L.P. (1995, November). *Prenatal cocaine exposure and stress responsivity: Tail pinch-induced eating behavior. International Society for Developmental Psychobiology, San Diego, California.*
 170. Wood*, R.D., Bliven*, T.D., Laviola, G. & Spear, L.P. (1995, November). *Surgical implantation of a chronic indwelling cannula for use in assessing central effects of oxytocin on play behavior of adolescent rats. International Society for Developmental Psychobiology, San Diego, California.*
 171. Hecht*, G.S., Riccio**, L.J., Spear, N.E. & Spear, L.P. (1995, November). *Intravenous self-administration of cocaine in pregnant and lactating rats. International Society for Developmental Psychobiology, San Diego, California.*
 172. Hecht*, G.S., Riccio**, L., Spear, L.P. & Spear, N.E. (1995, November). *Effects of prenatal cocaine exposure on reward sensitivity in adult rats. Society for Neuroscience, San Diego, California.*
 173. Bliven*, T.D. & Spear, L.P. (1995, November). *Effects of prenatal cocaine on stress-induced grooming. Society for Neuroscience, San Diego, California.*
 174. Campbell*, J. & Spear, L.P. (1995, November). *Nitric oxide synthase inhibition suppresses ultrasonic vocalizations in 10-11 day old rat pups. Society for Neuroscience, San Diego, California.*
 175. Spear, L.P. (1996, May). *Compensations, adaptations and vulnerabilities: Neurobehavioral consequences of prenatal cocaine exposure. International Behavioral Neuroscience Society, Cancun, Mexico (Presidential Address).*
 176. Campbell*, J., Bliven*, T., Silveri*, M., Snyder*, K. & Spear, L.P. (1996, May). *Effects of prenatal cocaine on later behavioral adaptations to chronic stressors. International Behavioral Neuroscience Society, Cancun, Mexico.*
 177. Silveri*, M.M. & Spear, L.P. (1996, June). *Ontogeny of ethanol sleep-time. Research Society for Alcoholism, Washington, D.C.*
 178. Wood*, R.D. & Spear, L.P. (1996, November). *Prenatal cocaine alters social competition of infant, adolescent and adult rats. International Society for Developmental Psychobiology, Washington, D.C.*
 179. Salzberg**, H., Campbell*, J. & Spear, L.P. (1996, November). *Effects of ethanol-induced hypothermia on ultrasonic vocalizations in rat pups. International Society for Developmental Psychobiology, Washington, D.C.*
 180. Silveri*, M.M. & Spear, L.P. (1996, November). *Age-related differences in blood and brain ethanol concentrations. International Society for Developmental Psychobiology, Washington, D.C.*
 181. Snyder*, K.J., Hecht*, G.S. & Spear, L.P. (1996, November). *The effects of maternal separation on basal heart rates and habituation in preweanling rat pups. International Society for Developmental Psychobiology, Washington, D.C.*
 182. Bannoura*, M.D., Spear, L.P. & Spear, N.E. (1996, November). *Ontogenetic differences in the*

development of ethanol tolerance in the rat. International Society for Developmental Psychobiology, Washington, D.C.

183. Silveri*, M.M. & Spear, L.P. (1996, November). *Ontogeny of ethanol sleep time: Age-related alterations in ethanol sensitivity and acute tolerance.* Society for Neuroscience, Washington, D.C.
184. Campbell*, J.O., Riccio**, L.R. & Spear, L.P. (1997, April). *Sensitization and learning in the development of cocaine-induced conditioned place preference.* International Behavioral Neuroscience Society, San Diego, California.
185. Campbell*, J., Snyder*, K., Silveri*, M., Katovic*, N. & Spear, L.P. (1997, June). *Increased sensitivity to long-term consequences of early experience following gestational cocaine exposure.* College on Problems of Drug Dependence, Nashville, Tennessee.
186. Spear, L.P. (1997, June). *Periadolescence: Age-dependent neural and psychopharmacological alterations.* Neurobehavioral Teratology Society, Palm Beach, Florida (adolescent symposium).
187. Silveri*, M.M., Katovic*, N.M. & Spear, L.P. (1997, July). *Age-related differences in the rate of ethanol metabolism in relation to the ontogeny of ethanol sensitivity.* Research Society on Alcoholism, San Francisco, California.
188. Spear, L.P. (1997, September). *Animal behavioral models.* New York Academy of Sciences Conference - Cocaine: Effects on the Developing Brain, Washington, D.C. (invited presentation).
189. LaRocca**, T., Campbell*, J., Snyder*, K. & Spear, L. (1997, October). *Comparison of methods for measuring heart rates in preweanling rat pups: Subcutaneous electrodes vs. implanted transmitters.* Society for Neuroscience, New Orleans, Louisiana.
190. Spear, L.P. (1997, October). *Behavioral and psychopharmacological characteristics of adolescence in rats.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
191. Silveri*, M.M. & Spear, L.P. (1997, October). *Ontogenetic differences in the development of rapid tolerance to ethanol.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
192. Bannoura*, M.D., Spear, L.P. & Spear, N.E. (1997, October). *Effects of stress on ontogenetic differences in the expression of ethanol tolerance.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
193. Brasser*, S.M., Kraebel*, K.S., Campbell*, J.O., Spear, L.P. & Spear, N.E. (1997, October). *Developmental differences in temporal patterns and potentiation of isolation-induced ultrasonic vocalizations.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
194. Katovic*, N., Snyder*, K., Casale*, M. & Spear, L.P. (1998, June). *Longevity of the behavioral sensitization to cocaine after preweanling cocaine exposure.* International Behavioral Neuroscience Society, Richmond, Virginia.
195. Hecht*, G.S., Spear, N.E. & Spear, L.P. (1998, June). *Effects of reproductive cycle on operant responding for cocaine and sucrose.* International Study Group Investigating Drugs as Reinforcers, Scottsdale, Arizona.

196. Silveri*, M.M. & Spear, L.P. (1998, June). *Evidence for rapid tolerance to ethanol in adolescent rats*. Research Society on Alcoholism, Hilton Head, South Carolina.
197. Silveri*, M.M. & Spear, L.P. (1998, June). *Ontogenetic dissociations in the development of tolerances to ethanol: Acute versus rapid tolerance and implications for adolescent alcohol consumption*. *Symposium entitled "Alcohol Tolerance and Sensitization"*. Research Society on Alcoholism, Hilton Head, South Carolina.
198. Spear, L.P. (1998, June). *Prenatal cocaine exposure, early experience and later vulnerabilities*. Neurobehavioral Teratology Society, San Diego, California (invited presentation).
199. Katovic*, N.M., Campbell*, J., Casale*, M.P. & Spear, L.P. (1998, November). *Early postnatal handling effects on later stress responsivity following gestational cocaine exposure*. Society for Neuroscience, Los Angeles, California.
200. Spear, L.P. (1999, June). *Neurobehavioral changes in adolescence*. NIAAA Symposium at the Annual American Psychological Society Convention, Denver, Colorado (invited presentation).
201. Heyser, C.J., Molina, V.A. & Spear, L.P. (1999, June). *The effects of chronic exposure to cocaine on the behavioral response to novel stressful situations*. College on Problems of Drug Dependence, Acapulco, Mexico.
202. Spear, L.P. (1999, June). *Influences of age and gender on drug and stress responsivity*. *Symposium entitled "Gender differences in brain and behavior"*, International Behavioral Neuroscience Society, Nancy, France (invited presentation).
203. Silveri*, M.M. & Spear, L.P. (1999, June/July). *Corticosterone levels following low versus hypnotic doses of ethanol during ontogeny*. Research Society on Alcoholism, Santa Barbara, California.
204. Cheslock*, S.J., Varlinskaya, E.I., Silveri*, M.M., Petrov, E.S., Spear, L.P. & Spear, N.E. (1999, June/July). *Alcohol exposure and the first suckling episode in the neonatal rat*. Research Society on Alcoholism, Santa Barbara, California.
205. Spear, L.P. (1999, August). *Developmental influences on drug responsivity: Early drug exposure and age at initiation of use, with a focus on adolescence*. Federation of American Societies for Experimental Biology, Copper Mountain, Colorado (invited presentation).
206. Douglas*, L.A., Varlinskaya, E.I., Spear, N.E. & Spear, L.P. (1999, October). *Variations in periadolescent social play behavior due to housing conditions and partner activity*. International Society for Developmental Psychobiology, Coral Gables, Florida.
207. Campbell*, J.O., Molina, J.C., Spear, N.E. & Spear, L.P. (1999, October). *A comparison of ethanol-induced hypothermia and tachycardia in peri-adolescent and adult male Sprague-Dawley rats*. International Society for Developmental Psychobiology, Coral Gables, Florida.
208. Silveri*, M.M., Gresack**, J., Simm**, H. & Spear, L.P. (1999, October). *Ontogeny of oral self-administration of corticosterone*. International Society for Developmental Psychobiology, Coral Gables, Florida.

209. Katovic*, N.M., Gresack**, J.E. & Spear, L.P. (1999, October). *Schedule-induced polydipsia: Gender-specific effects and consequences of prenatal cocaine and postnatal handling.* Society for Neuroscience, Miami Beach, Florida.
210. Spear, L.P. (1999, November). *Adolescent period: Biological basis of vulnerability to develop alcoholism and other alcohol-mediated behaviors.* American Society of Addiction Medicine (ASAM) State of the Art Conference: Neuroscience, Clinical Practice and Services Research, Washington, DC. (invited presentation).
211. Silveri*, M.M. & Spear, L.P. (2000, June). *Ontogeny and the roles of acute, rapid & chronic tolerance in the responsivity to ethanol.* Research Society on Alcoholism, Denver, Colorado.
212. Varlinskaya, E.I., Spear, L.P. & Spear, N.E. (2000, November). *Acute effects of ethanol on behavior of adolescent rats: Role of social context.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
213. Silveri*, M.M. & Spear, L.P. (2000, November). *NMDA & GABA_A receptors: Their role in the responsivity and tolerance to ethanol during ontogeny.* International Society for Developmental Psychobiology, New Orleans, Louisiana.
214. Spear, L.P. (2001, April). *Neurobehavioral characteristics of adolescence.* American Society of Addiction Medicine (ASAM): NIAAA Symposium: Neurobehavioral Aspects of Adolescents: Factors Contributing to Developing Alcoholism, Los Angeles, California (invited presentation).
215. Silveri*, M.M. & Spear, L.P. (2001, June). *Gender differences in alcohol sedation: Pharmacological manipulations of glutamate and GABA systems.* College on Problems of Drug Dependence, Scottsdale, Arizona.
216. Silveri*, M.M. & Spear, L.P. (2001, June). *A pharmacological approach to examine the relationship between ethanol sensitivity & acute and rapid tolerance to the sedative effects of ethanol during ontogeny.* Research Society on Alcoholism, Montreal, Quebec, Canada.
217. Varlinskaya, E.I. & Spear, L.P. (2001, June). *Anxiolytic effects of ethanol in adolescent and adult rats.* Research Society on Alcoholism, Montreal, Quebec, Canada.
218. 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.
219. Brunell*, S.C., Rajendran*, P. & Spear, L.P. (2001, November). *Ethanol intake and stress adaptation in adolescent and adult rats.* Society for Neuroscience, San Diego, California.
220. Wilmouth*, C. & Spear, L.P. (2002, June). *Oral nicotine-self-administration in rats during adolescence.* College on Problems of Drug Dependence, Quebec City, Quebec, Canada.
221. Doremus*, T.L., Brunell*, S.C., Varlinskaya, E.I. & Spear, L.P. (2002, June). *Anxiogenic effects of acute ethanol withdrawal in adolescent and adult rats.* Research Society on Alcoholism, San Francisco, California.
222. Varlinskaya, E.I. & Spear, L.P. (2002, June). *Acute effects of ethanol on social behavior of*

- adolescent and adult rats: role of familiarity of the test situation.* Research Society on Alcoholism, San Francisco, California.
223. Spear, L.P. (2002, June). *Adolescence: Alcohol sensitivity, tolerance, and intake. Symposium entitled "Neurobiological Mechanisms of Adolescent Alcohol Abuse: New Findings, New Directions"*. Research Society on Alcoholism, San Francisco, California (co-organizer).
224. Ristuccia*, R.C. & Spear, L.P. (2002, October). *Tolerance to ethanol-induced motor impairment following chronic ethanol exposure in rats.* International Society for Developmental Psychobiology, Orlando, Florida.
225. Brunell*, S. & Spear, L.P. (2002, October). *Effect of stress on voluntary ethanol intake in pair-housed adolescent and adult rats.* International Society for Developmental Psychobiology, Orlando, Florida.
226. 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.
227. Varlinskaya, E.I. & Spear, L.P. (2003, June). *Age- and time-dependent effects of ethanol on social interactions: Implications for the ontogeny of acute tolerance.* Research Society on Alcoholism, Fort Lauderdale, Florida.
228. Doremus*, T.L., Brunell*, S.C., Pottayil*, R. & Spear, L.P. (2003, June). *Elevated ethanol consumption in adolescent relative to adult rats: Impact of ball-bearing sipper tubes.* Research Society on Alcoholism, Fort Lauderdale, Florida.
229. Ristuccia*, R.C. & Spear, L.P. (2003, September). *Adolescent ethanol sensitivity: Hypothermia and acute tolerance.* New York Academy of Sciences Conference, New York, New York.
230. Wilmouth*, C.E. & Spear, L.P. (2003, September). *Do adolescent rats show a preference for flavors previously paired with nicotine?* New York Academy of Sciences Conference, New York, New York.
231. Pottayil*, R. & Spear, L.P. (2003, September). *The effects of ethanol on spatial and non-spatial memory in adolescent and adult rats using an appetitive paradigm.* New York Academy of Sciences Conference, New York, New York.
232. Doremus*, T.L., Katovic*, N.M., 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 Conference, New York, New York.
233. Brunell*, S.C. & Spear, L.P. (2003, September). *Effects of ethanol on dopamine turnover in the adolescent and adult rat brain.* New York Academy of Sciences Conference, New York, New York.
234. 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 Conference, New York, New York.
235. Spear, L. P. (2003, October). *Developmental factors in adolescents.* American Society of Addiction Medicine (ASAM) State of the Art Conference: An Update on the Unifying Concepts of Addiction – Drug Development, Emerging Therapies, and Individual Treatment, Washington,

D. C. (invited presentation).

236. Spear, L. P. (2003, November). *Adolescent neural alterations and the propensity to use/misuse alcohol*. National Institute on Alcohol Abuse and Alcoholism (NIAAA) Workshop: Binge Drinking, Washington, D. C. (invited presentation).
237. Hernandez **, M. & Spear, L.P. (2003, November). *Ethanol-induced analgesia in adolescent and adult rats*. International Society for Developmental Psychobiology, New Orleans, Louisiana.
238. Ristuccia *, R.C., Lukowski, F. & Spear, L.P. (2003, November). *The effect of ethanol on behavioral and physiological responses to cat odor in adolescent and adult rats*. International Society for Developmental Psychobiology, New Orleans, Louisiana.
239. Doremus *, T.L. & Spear, L.P. (2003, November). *Anxiety, activity and pain sensation during acute ethanol withdrawal in adolescent and adult female rats*. International Society for Developmental Psychobiology, New Orleans, Louisiana.
240. 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, Louisiana.
241. Doremus *, T.L. & Spear, L.P. (2003, November). *Self-administration of ethanol in both adolescent and adult rats: Adaptation of the sucrose fading procedure*. Society for Neuroscience, New Orleans, Louisiana.
242. Spear, L. P. (2004, June). *Low dose effects in psychopharmacology: Ontogenetic considerations*. University of Massachusetts, School of Public Health Conference: Non-Linear Dose-Response Relationships in Biology, Toxicology and Medicine, Amherst, Massachusetts (invited presentation).
243. Spear, L.P. (2004, June). *Is adolescence special? Possible age-related vulnerabilities to chronic alcohol and nicotine exposure*. Joint Satellite Symposium, Research Society on Alcoholism (co-organizer with Susan Barron) and the Neurobehavioral Teratology Society, Vancouver, Canada (discussant).
244. Doremus *, T.L. & Spear, L.P. (2004, June). *Effect of acute ethanol withdrawal on anxiety and exploration in adolescent and adult male and female rats*. Research Society on Alcoholism, Vancouver, Canada.
245. 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.
246. Ristuccia *, R.C. & Spear, L.P. (2004, October). *Age differences in sensitivity, tolerance, and withdrawal from ethanol's autonomic effects*. Society for Neuroscience, San Diego, California.
247. Brunell *, S.C. & Spear, L.P. (2004, October). *Effects of amphetamine and ethanol on the acoustic startle response and prepulse inhibition in adolescent and adult rats*. Society for Neuroscience, San Diego, California.
248. Spear, L.P. (2005, April). *Overview of concepts and issues in the study of the adolescent brain and*

drugs of abuse. American Society for Pharmacology and Experimental Therapeutics (ASPET), San Diego, California.

249. Spear, L.P. (2005, May). *Developmental changes in social behavior, novelty-seeking reward attribution during the peripubescent period in a rodent model*. Society of Biological Psychiatry, Atlanta, Georgia.
250. Spear, L.P. (2005, June). *The developing brain and adolescent-typical behavior patterns: An evolutionary approach*. Adolescent Brain and Psychopathology Conference, University of Pennsylvania, Philadelphia, Pennsylvania.
251. Vetter*, C.S., Doremus*, T.L., & Spear, L.P. (2005, June). *Time-course of the elevated ethanol consumption in adolescent relative to adult rats in a continuous-access situation*. Research Society on Alcoholism, Santa Barbara, California.
252. Brunell*, S.C. & Spear, L.P. (2005, June). *Effects of serotonergic manipulations on voluntary ethanol consumption in adolescent and adult rats*. Research Society on Alcoholism, Santa Barbara, California.
253. Doremus*, T.L. & Spear, L.P. (2005, June). *Influence of stress on operant self-administration of EtOH in adolescent and adult rats*. Research Society on Alcoholism, Santa Barbara, California.
254. Barreto**, M.C., Hernandez*, M., Doremus*, T.L., & Spear, L.P. (2005, June). *Adolescence, impulsivity and voluntary alcohol consumption: Studies in an animal model*. Research Society on Alcoholism, Santa Barbara, California.
255. Spear, L.P. (2005, July). *Developmental and evolutionary approaches to alcohol/drug use and abuse*. Kentucky School of Alcohol and Other Drug Studies Research Panel, Frankfurt, Kentucky.
256. Spear, L. (2005, August). *Symposium: Adolescence - integrating research on development and addiction*. 113th Annual APA Convention. Washington, D.C.
257. Spear, L.P. (2005, November). *Adolescence: Neurobehavioral characteristics, differential alcohol insensitivities and intake*. Mark Keller Honorary Lecture Series, Washington, D.C.
258. Ristuccia, R.C., Hernandez, M., Wilmouth, C.E. & Spear, L.P. (2005, November). *Effects of handling and ethanol exposure in adolescent and adult rats*. Society for Neuroscience, Washington, D.C.
259. 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.
260. Wilmouth*, C.E. & Spear, L.P. (2005, November). *Withdrawal from chronic nicotine in adolescent and adult rats*. Society for Neuroscience, Washington, D.C.
261. Deak, T., Barnum, C.J., Blandino Jr., P., Bordner*, K.A., Doremus*, T.L., & Spear, L.P. (2005, November). *Preliminary evidence for increased utilization of IL-1 in the hypothalamus of rats during acute ethanol withdrawal*. Society for Neuroscience, Washington, D.C.
262. Ristuccia*, R.C., Brunell*, S.C., & Spear, L.P. (2005, November). *Limited access ethanol*

- consumption in adolescent and adult rats.* International Society for Developmental Psychobiology, Washington, D.C.
263. Vetter*, C.S., Wilmouth*, C.E., & Spear, L.P. (2005, November). *Schedule-induced polydipsia in adolescent rats – responding for water and ethanol.* International Society for Developmental Psychobiology, Washington, D.C.
264. Spear, L.P. (2005, November). *Adolescent brain and behavior: Age-related sensitivities to natural rewards and drugs.* National Institute on Drug Abuse (NIDA) Frontiers in Addiction Research, Washington, D.C.
265. 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.
266. Wilmouth*, C.E. & Spear, L.P. (2005, November). *Withdrawal from chronic nicotine in adolescent and adult rats.* National Institute on Drug Abuse (NIDA) Frontiers in Addiction Research, Washington, D.C.
267. Spear, L. P. (2006, January). *Neurobiology and neuropharmacology of reward: Evolutionary and developmental perspectives.* NIH-Reward Neurocircuitry in Adolescent Development and Decision making, Bethesda, Maryland.
268. Spear, L.P. (2006, March). *The adolescent brain and alcohol: Developmental studies of alcohol sensitivity in an animal model.* 2006 Joint Meeting on Adolescent Treatment Effectiveness, Baltimore, Maryland.
269. Spear, L.P. (2006, May). *The Adolescent Brain and Age-Related Behavioral Manifestations.* Cooley Law School Symposium, Lansing, Michigan.
270. Spear, L.P. (2006, June). *Adolescent vulnerabilities to alcohol misuse: Lessons learned from animal studies.* Research Society on Alcoholism, Baltimore, Maryland.
271. Spear, L.P. (2006, June). *Adolescent alcohol sensitivity, tolerance, and intake.* Research Society on Alcoholism, Baltimore, Maryland.
272. Vetter*, C.S. & Spear, L.P. (2006, June). *Schedule-induced polydipsia in adolescent rats – responding for water or ethanol.* Research Society on Alcoholism, Baltimore, Maryland.
273. Ristuccia*, R.C., Hernandez, M., Wilmouth, C.E., & Spear, L.P. (2006, June). *Ontogenetic differences in ethanol-induced hypothermia: Differential effects of pretest handling in adolescent and adult rats.* Research Society on Alcoholism, Baltimore, Maryland.
274. 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.
275. 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.
276. Doremus-Fitzwater*, T. L., Varlinskaya, E. I., & Spear, L. P. (2006, September). *Use of the*

elevated plus-maze and social interaction tests as rodent models of anxiety: Ontogeny, pitfalls and lessons learned. Behavioral Toxicology Society Annual Meeting, Little Rock, Arkansas.

277. Varlinskaya, E.I., Falkowitz, S., & Spear, L.P. (2006, October). *Adolescent-associated insensitivity to ethanol-induced taste aversions.* Society for Neuroscience, Atlanta, Georgia.
278. 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.
279. Wilmouth*, C.E. & Spear, L.P. (2006, October). *Assessment of hedonic sensitivity using the taste reactivity test in adolescent and adult rats.* Society for Neuroscience, Atlanta, Georgia.
280. Ristuccia*, R.C., Deak, T., & Spear, L.P. (2006, October). *Differential expression of dopamine-related genes between adolescents and adults may contribute to altered reward sensitivity.* Society for Neuroscience, Atlanta, Georgia.
281. 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 non-social testing.* International Society for Developmental Psychobiology, Atlanta, Georgia.
282. Molina, J. C., Spear, N. E., Spear, L. P., Mennella, J. A., & Lewis, M. J. (2006, October). *Alcohol and development: beyond Fetal Alcohol Syndrome.* International Society for Developmental Psychobiology, Atlanta, Georgia.
283. Spear, L. (October, 2006). *Adolescence: Differential Alcohol Sensitivities and Intake.* International Society for Development Psychobiology, Atlanta, Georgia.
284. Spear, L.P. (January, 2007). *Adolescence: Alcohol sensitivity, tolerance and intake.* INSERM, Paris, France.
285. Spear, L.P. (2007, March). *Adolescence-Typical alcohol sensitivities and intake.* Society for Research in Child Development, Boston, Massachusetts.
286. Spear, L.P. (2007, April). *Behavioral neuropharmacology of adolescent brain development.* Experimental Biology, Washington, D.C.
287. Spear, L.P.(2007, April). *Research on antisocial behaviors in children: future directions.* NIMH Workshop, Bethesda, Maryland.
288. Spear, L.P.(2007, June). *Developmental Transition: Adolescence animal models of adolescent development.* 2007 John Merck Fund Summer Institute, Cornell University, Ithaca, New York.
289. Spear, L. P. (2007). *The developing brain and adolescent-typical behaviour patterns: an evolutionary approach.* International Society for Adolescent Psychiatry and Psychology, Montreal, Canada.
290. Ristuccia*, R. C., & Spear, L. P. (2007, July). *Age differences in autonomic effects of self-administered ethanol.* Research Society on Alcoholism. Chicago, Illinois.
291. Vetter*, C. S., & Spear, L. P. (2007, July). *Drinking-in-the-dark: Scheduled dark-cycle access to ethanol in adolescent and adult male Sprague-Dawley rats.* Research Society on Alcoholism,

Chicago, Illinois.

292. Doremus-Fitzwater*, T. L., Varlinskaya, E. I., & Spear, L. P. (2007 October/November). *Pretest manipulations impact elevated plus-maze behavior differentially across age in adolescent and adult rats.* International Society for Developmental Psychobiology, San Diego, California.
293. Vetter*, C., & Spear, L. P. (2007 October/November). *Age-associated trajectories of consumption and body weight gain in par- and isolate-housed adolescent and adult Sprague-Dawley rats.* International Society for Developmental Psychobiology, San Diego, California.
294. Varlinskaya, E. I., & Spear, L. P. (2007, November). *Increases in anxiety induced by acute stress are reversed by ethanol in adolescent but not adult rats.* Society for Neuroscience, San Diego, California.
295. Doremus-Fitzwater*, T. L., Varlinskaya, E. I., Spear, L. P. (2007, November). *Impact of repeated stress on responsivity to ethanol-induced changes in social behavior in adolescent and adult rats.* Society for Neuroscience, San Diego, California.
296. Wilmouth*, C. E., & Spear, L. P. (2007, November). *Age differences in hedonic sensitivity indexed via post-consumption taste reactivity in adolescent and adult rats.* Society for Neuroscience, San Diego, California.
297. Willey*, A.R., Spear, L.P., & Varlinskaya, E.I. (2007, October/November). *Social anticipation and social affect in adolescent rats: effects of social deprivation and ethanol.* International Society for Developmental Psychobiology, San Diego, California.
298. Myers, M.L., Pautassi, R.M., Molina, J.M., Spear, L.P., & Spear, N.E. (2007, October/November). *Adolescent rats are sensitive to the positive rewarding effects of ethanol.* International Society for Developmental Psychobiology, San Diego, California.
299. Spear, L.P. (2008, January). *Adolescent-typical alcohol sensitivities and intake.* MUSC-Addictions Neuroscience Seminar Program, Charleston, South Carolina.
300. Spear, L.P. (2008, February). *Adolescence: Neurobehavioral characteristics, differential alcohol sensitivities and intake: Setting the stage for alcohol abuse disorders.* Binghamton University Department of Psychology & Center for Development and Behavioral Neuroscience, Binghamton, New York.
301. McCulloch, M., Zhou, X., Yan, X., Brunell, S., & Spear, L. (2008, June). *Determination of endocannabinoid antagonist rimonabant (SR141716) in plasma by LC-ESI-MS/MS.* 56th ASMS Conference on Mass Spectrometry, Denver, Colorado.
302. Spear, L.P. (2008, June). *Sex differences in alcohol sensitivity, intake, and stressor effects, and their ontogeny.* Organization for the Study of Sex Differences (OSSD), New Orleans, Louisiana.
303. Anderson*, R.I., Varlinskaya, E.I., & Spear, L.P. (2008, June). *Restraint stress, sucrose intake and ethanol-induced conditioned taste aversion in adolescent and adult male rats.* Research Society on Alcoholism, Washington, D.C.
304. Vetter*, C., & Spear, L. (2008, June). *Limited access to ethanol in Sprague-Dawley rats; age & sex differences in preference & consumption.* Research Society on Alcoholism, Washington, D.C.

305. Spear, L. P. (2008, June). *Factors contributing to ethanol intake and sensitivity during adolescence*. Research Society on Alcoholism, Washington, DC.
306. Varlinskaya, E. I., & Spear, L.P. (2008, June). *Attenuated aversive effects of ethanol among adolescent rats are diminished further in adolescent males by the presence of social partner*. Research Society on Alcoholism, Washington, D.C.
307. Varlinskaya, E. I., & Spear, L. P. (2008, November). *Social facilitation induced by pharmacological activation of mu opiod receptors: Impact of age, sex and stress*. Society for Neuroscience, Washington, D.C.
308. Ramirez*, R. L., & Spear, L. P. (2008, November). *Ontogeny of ethanol induced motor impairment following acute ethanol: Assessment via the negative geotaxis reflex in adolescent and adult rats*. Society for Neuroscience, Washington, D.C.
309. Doremus-Fitzwater*, T. L., & Spear, L. P. (2008, November). *Incentive motivational processes in adolescent and adult rats: Effects of amphetamine sensitization of compulsive sign-tracking for natural rewards*. Society for Neuroscience, Washington, D.C.
310. Willey*, A. R., Varlinskaya, E. I., & Spear, L. P. (2008, November). *Hedonic value of social interactions measured by 55 khz ultrasonic vocalizations in adolescent and adult rats*. Society for Neuroscience, Washington, D.C.
311. Anderson*, R. I., Varlinskaya, E. I., & Spear, L. P. (2008, November). *Isolation stress and ethanol-induced conditioned taste aversion in adolescent and adult male rats*. International Society for Developmental Psychobiology, Washington, D.C.
312. Morales*, M., Varlinskaya, E. I., & Spear, L. P. (2008, November). *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, D.C.
313. Spear, L. P. (2009, January). *Sensitivity to ethanol and other hedonic stimuli in an animal model of adolescence: Implications for prevention science?* UNCG Child & Family Research Network, Keynote Speaker, Greensboro, North Carolina.
314. Spear, L. P. (2009, February). *Adolescence: Neurobehavioral characteristics, differential alcohol sensitivities and intake*. Advances in Sensory and Developmental Neuroscience (ASDN) Seminar, University of Illinois Urbana-Champaign, Champaign, Illinois.
315. Spear, L. P. (2009, April). *Adolescent neurobehavioral characteristics, alcohol sensitivities and intake: Setting the stage for abuse disorders*. 14th Annual Wisconsin Symposium on Emotion, Madison, Wisconsin.
316. Myers, M.L., Pautassi, R.M., Nizhnikov, M.E., Spear, L.P., Molina, J.C., & Spear, N.E. (2009, June). *High-dose ethanol induces second-order aversive conditioning in adolescent and adult rats*. Research Society on Alcoholism, San Diego, California.
317. Anderson*, R. I., Vetter-O'Hagen*, C. S., & Spear, L. P. (2009, June). *Effects of housing/test conditions on limited access ethanol consumption in adolescent and adult male and female rats*. Research Society on Alcoholism, San Diego, California.

318. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2009, June). *Development of chronic tolerance to ethanol-induced sedation in adolescent and adult male rats.* the Research Society on Alcoholism, San Diego, California.
319. Vetter-O'Hagen*, C. S., & Spear, L. P. (2009, June). *The effects of gonadectomy on age-and sex-typical patterns of ethanol consumption in Sprague-Dawley rats.* Research Society on Alcoholism, San Diego, California.
320. Varlinskaya, E. I., & Spear, L. P. (2009, June). *Are the sobering effects of stress associated with increases in acute tolerance?* Research Society on Alcoholism. San Diego, California.
321. Spear, L. P., & Varlinskaya, E. I. (2009, June). *Effects of stressors and alcohol exposure history on alcohol sensitivity during adolescence.* Research Society on Alcoholism, San Diego, California.
322. Robinson, D. L., Zitzman, D. L., Guillot, I., T.S., & Spear, L. P. (2009, August). *Dopamine transients evoked by unexpected stimuli in the nucleus accumbens of adolescent rats.* Gordon Research Conference on Catecholamines, University of New England Biddeford, Maine.
323. Wilmouth*, C. E., & Spear, L. P. (2009, October). *The cannabinoid and opioid system's role in the modulation of hedonic sensitivity using taste reactivity in adolescent and adult rats.* Society for Neuroscience, Chicago, Illinois.
324. Robinson, D. L., Zitzman, D. L., Guillot, T. S., & Spear, L. P. (2009, October). *Dopamine transients in the nucleus accumbens of adolescent rats.* Society for Neuroscience, Chicago, Illinois.
325. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2009, October). *Chronic ethanol exposure in adolescent and adult rats: effects on social behavior and ethanol intake.* International Society for Developmental Psychobiology, Chicago, Illinois.
326. Willey*, A. R., Morales*, M., Ramirez*, R. L., Anderson*, R. I., & Spear, L. P. (2009, October). *Effects of ethanol administration on corticosterone levels in adolescent and adult rats.* International Society for Developmental Psychobiology, Chicago, Illinois.
327. Varlinskaya, E. I., & Spear, L. P. (2009, October). *Pharmacological activation of kappa opioid receptors and social anxiogenesis: Impact of age, sex and repeated stress.* Society for Neuroscience, Chicago, Illinois.
328. Anderson*, R. I., & Spear, L. P. (2009, October). *Sign-tracking and ethanol intake in male and female rats: effects of adolescent pre-exposure to an autoshaping procedure.* Society for Neuroscience, Chicago, Illinois.
329. Morales*, M., Varlinskaya, E. I., & Spear, L. P. (2009, October). *Evidence for ethanol conditioned place preference in adult rats.* Society for Neuroscience, Chicago, Illinois.
330. Robinson, D.L., Carelli, R.M., Gonzales, R.A., Spear, L.P., Wightman, R.M. (2009, December). *Booze and cues! Dopamine transients in the rat striatum.* American College of Neuropsychopharmacology, Hollywood, Florida.
331. Spear, L.P. (2010, May). *Adolescent neurobehavioral characteristics, alcohol sensitivities and intake.* Colloquium at Wake Forest University, Salem, North Carolina. (invited presentation)

332. Spear, L.P. (2010, May). *Adolescent potential: Exploring the developing brain and understanding pathways of addiction*. 2010 American Psychiatric Association Annual Meeting, New Orleans, Louisiana. (invited presentation)
333. Vetter-O'Hagen*, C. S., Varlinskaya, E. I., & Spear, L. P. (2010, June). *Age and strain differences in the acute effects of EtOH on social behavior in adolescent and adult alcohol-preferring and Wistar rats*. Research Society on Alcoholism, San Antonio, Texas.
334. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2010, June). *Acute tolerance to ethanol-induced motor impairment in adolescent and adult rats: age-related differences are time-dependent*. Research Society on Alcoholism, San Antonio, Texas.
335. Morales*, M., Varlinskaya, E. I., & Spear, L. P. (2010, June). *Evidence for sex differences in the expression of acute and chronic tolerance to ethanol in adult Sprague-Dawley rats*. Research Society on Alcoholism, San Antonio, Texas.
336. Varlinskaya, E.I. & Spear, L.P. (2010, June) Social consequences of ethanol: impact of age, stress and prior history of ethanol exposure. Research Society on Alcoholism, San Antonio, Texas.
337. Ramirez*, R. L., Spear, L. P., & Varlinskaya, E. I. (2010, June). 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, San Antonio, Texas.
338. Anderson*, R. I., & Spear, L. P. (2010, June). Age-related differences in ethanol consumption in an intermittent limited-access paradigm: comparison of two highly palatable ethanol solutions. Research Society on Alcoholism, Austin, Texas.
339. Spear, L.P. (2010, October). *Ethanol intake and sensitivities in a rodent model of adolescence*. NIAAA 2010 Center Directors Meeting, Berkeley, California. (invited presentation)
340. Spear, L. P. (2010, October). *Neurobehavioral function in adolescence: developmental and evolutionary perspectives on risk for alcohol/substance disorders*. Society for Psychophysiological Research, Keynote Speaker, Portland, Oregon.
341. Celio, M., Johansen, G. E., Lisman, S. A., Vetter-O'Hagen*, C. S., & Spear, L. P. (2010, October). *Developing and conducting alcohol field research in a Northeast College Tavern District: the challenges, surprises, and discoveries*. U.S. Dept. of Education 2010 National Meeting on Alcohol and Other Drug Abuse and Violence Prevention in Higher Education, Washington, D.C.
342. Anderson*, R. I., & Spear, L. P. (2010, November). *Effects of housing conditions on sign-tracking behavior in adolescent and adult female Sprague-Dawley rats*. International Society for Developmental Psychobiology, San Diego, California.
343. Ramirez*, R. L., & Spear, L. P. (2010, November). *Sensitivity of adolescent and adult male rats to the dysphoric effects of the selective NMDA NR2B antagonist ifenprodil*. Society for Neuroscience, San Diego, California.
344. Anderson*, R. I., Morales*, M., Varlinskaya, E. I., & Spear, L. P. (2010, November). *Pharmacological activation of kappa opioid receptors: Aversive effects in adolescent and adult male Sprague-Dawley rats*. Society for Neuroscience, San Diego, California.

345. Morales*, M., Anderson*, R. I., Varlinskaya, E. I., & Spear, L. P. (2010, November). *Pharmacological blockade of mu and kappa opioid receptors and ethanol intake: Impact of age.* Society for Neuroscience, San Diego, California.
346. Ung, R. L., Zitzman, D. L., Spear, L. P., & Robinson, D. L. (2010, November). *Differences in elicited dopamine transients in response to stimuli presented during Pavlovian approach conditioning in adult versus adolescent rats.* Society for Neuroscience, San Diego, California.
347. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2010, November). *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, California.
348. Willey*, A. R., & Spear, L. P. (2010). *Age related differences in social anticipation and social affect in rats as indexed by 50 kHz USVs.* . International Society for Developmental Psychobiology, San Diego, California.
349. Vetter-O'Hagen*, C., Celio, M. A., Spear, L. P., Johansen, G. E., & Lisman, S. A. (2010, November). *A field investigation of age-related drinking motives within a sample of college-age bar patrons.* Association for Behavioral and Cognitive Therapies, San Francisco, California.
350. Celio, M., Vetter-O'Hagen*, C., Spear, L., Johansen, G. E., & Lisman, S. A. (2010, November). *The utility of the alcohol use disorders identification test (AUDIT) in a field-based investigation of alcohol use among college students.* 2010 Association for Behavioral and Cognitive Therapies Conference, San Francisco, California.
351. Robinson, D. L., Zitzman, D. L., Smith, K. J., Ung, R. L., & Spear, L. P. (2010, December). *It's all about the reward: mesolimbic dopamine release in adolescent rats.* American College of Neuropsychopharmacology, Miami Beach, Florida.
352. Spear, L.P. (2011, March). *The developing brain, adolescence and alcohol/drug use: An evolutionary approach.* SRCD: Adolescent Potential: Exploring the Developing Brain and Understanding Pathways to Addiction, Montreal, Canada.
353. Spear, L. P. (2011, April). *Adolescence: Neurobehavioral characteristics, differential alcohol sensitivities and intake.* Children-at-Risk (CAR) Conference, University of Kentucky, Lexington, Kentucky.
354. Spear, L. P. (2011, May). *Adolescence: Neurobehavioral characteristics, differential alcohol sensitivities and intake.* Clinical Science & Psychopathology (CSPR) Research Day, University of Minnesota, Minneapolis, Minnesota.
355. Anderson*, R., Varlinskaya, E. I., & Spear, L. P. (2011, June). *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, Atlanta, Georgia.
356. Morales*, M., Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2011, June). *Effect of a sweetened and unsweetened ETOH solution on BECs following intragastric administration in adolescent and adult male and female rats.* Research Society on Alcoholism, Atlanta, Georgia.

357. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2011, June). *Voluntary access to sweetened ethanol, during adolescence: effects on ethanol, intake in adulthood.* Research Society on Alcoholism, Atlanta, Georgia.
358. Anderson*, R. I., Agoglia, A. E., Morales*, M., Varlinskaya, E. I., & Spear, L.P. (2011, July). *Kappa agonist-induced conditioned taste aversion in male Sprague-Dawley rats: Impact of age and stress.* Kappa Therapeutics Conference, Seattle, Washington.
359. Morales*, M., Anderson, R. I., Varlinskaya, E. I., & Spear, L. P. (2011, July). *Pharmacological blockade of kappa opioid receptors and ethanol intake: Impact on age and sex.* Kappa Therapeutics Conference, Seattle, Washington.
360. Varlinskaya, E. I., Anderson*, R., Morales-Ortega, M., Truxell, E., & Spear, L. P. (2011, July). *Is the endogenous kappa opioid system implicated in adolescent-typical insensitivity to ethanol?* Kappa Therapeutics Conference, Seattle, Washington.
361. Ramirez*, R. L., & Spear, L. P. (2011, June). *Influence of age and treatment with ifenprodil, ethanol, or d-cycloserine on elevated plus-maze behavior of adolescent and adult male rats.* Research Society on Alcoholism, Atlanta, Georgia.
362. Truxell, E., Varlinskaya, E. I., & Spear, L. P. (2011, June). *A new "Social Drinking" paradigm reveals individual differences in intake.* Research Society on Alcoholism, Atlanta, Georgia.
363. Celio, M. A., Vetter-O'Hagen*, C. S., Lisman, S. A., Johansen, G. E., & Spear, L. P. (2011, June). *Drinking motives and impairment-related performance on cognitive and motor tasks within a field investigation of college-age bar patrons.* Research Society on Alcoholism, Atlanta, Georgia.
364. Celio, M. A., Vetter-O'Hagen*, C. S., Lisman, S. A., Johansen, G. E., & Spear, L. P. (2011, June). *Integrating field methodology and web-based data collection: the reliability of self-report data obtained in a natural drinking environment.* Research Society on Alcoholism, Atlanta, Georgia.
365. Morales*, M., Varlinskaya, E. I., & Spear, L. P. (2011, November). *Anxiolytic effects of the GABA_A receptor partial agonist, L-838,417: impact on age, test context familiarity, and stress.* Society for Neuroscience, Washington, D.C.
366. Anderson*, R. I., Varlinskaya, E. I., & Spear, L. P. (2011, November). *Evidence for stress-induced attenuation of conditioned taste aversion to ethanol in adolescent, but not adult male rats.* Society for Neuroscience, Washington, DC.
367. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2011, November). *Acute tolerance to ethanol-induced motor impairment in adolescent and adult female Sprague-Dawley rats.* International Society for Developmental Psychobiology, Washington, DC.
368. Sweatt*, J., & Spear, L. P. (2011, November). *Heart rate response to atropine in adolescent and adult rats: implications for the vagal brake.* International Society for Developmental Psychobiology, Washington, DC.
369. Anderson*, R. I., & Spear, L. P. (2012, June). *Ethanol dose generalization curves following multiple discrimination training conditions in adolescent and adult rats.* International Behavioral Neuroscience Society. Kailua-Kona, Hawaii.

370. Spear, L.P. (2012, June). *Adolescents and Alcohol: Acute Sensitivities, enhanced intake and later consequences*. Neurobehavioral Teratology Society Meeting, Baltimore, Maryland.
371. Anderson*, R. I., & Spear, L. P. (2012, June). *Acquisition of ethanol discrimination in adolescent and adult rats using a pavlovian conditioned approach paradigm*. Research Society of Alcoholism, San Francisco, California.
372. Broadwater*, M. A., Varlinskaya, E. I., & Spear, L. P. (2012, June). *Chronic intragastric ethanol exposure in adolescence or adulthood: assessment of tolerance to ethanol-induced motor impairment and voluntary intake*. Research Society on Alcoholism, San Francisco, California.
373. Celio, M. A., Usala, J.M., Lisman, S.A., Johansen, G.E. & Spear, L.P. (2012, June). *Subjective intoxication is better predicted by deficits in motor than by cognitive performance measured in a field setting*. Research Society on Alcoholism, San Francisco, California.
374. Truxell, E., Varlinskaya, E. I., & Spear, L. P. (2012, June). *Adolescent intermittent ethanol exposure increases social anxiety and retains adolescent-typical sensitivity to acute ethanol in male rats*. Research Society on Alcoholism, San Francisco, California.
375. Morales*, M., & Spear, L. P. (2012, June). *Differences in sensitivity to EtOH-induced conditioned taste aversions emerge after pre- or post-pubertal gonadectomy in male and female rats*. Research Society on Alcoholism, San Francisco, California.
376. Spear, L.P. Keynote Speaker. (2012, September). *Positive Affect and Development*. Developmental Affective Neuroscience Symposium, University of Pittsburgh, Pittsburgh, Pennsylvania.
377. Anderson*, R.I., & Spear, L.P. (2012, October). *NMDA 2A and 2B receptor involvement in the discriminative stimulus properties of ethanol in adult male rats*. Society for Neuroscience, New Orleans, Louisiana.
378. Truxell EM, Spear LP, Varlinskaya E. (2012, October). *Ethanol intake under social circumstances or alone: impact of age, sex, social activity and social anxiety*. Society for Neuroscience, New Orleans, Louisiana.
379. Robinson, D.L., Mathes, W.F., Zitzman, D.L., Chapman, W.H., & Spear, L.P. (2012, October). *Does adolescent ethanol exposure change the response to acute ethanol in adulthood? Preliminary results on social behavior, dopamine and gene expression*. Society for Neuroscience, New Orleans, Louisiana.
380. Sweatt*, J., & Spear, L.P. (2012, October). *Developmental differences in the effects of alcohol and stress on HRV*. Society for Neuroscience, New Orleans, Louisiana.
381. Morales*, M., Varlinskaya, E.I., Spear, L.P. (2012, October). *Age-related differences in sensitivity to social suppression induced by the NMDA receptor antagonist, MK-801*. Society for Neuroscience, New Orleans, Louisiana.
382. Usala, J.M., Celio, M.A., Lisman, S.A., Johansen, G.E., & Spear, L.P. (2012, November). *Readiness to change as a reflection of positive or negative drinking consequences assessed in a field setting*. ABCT Conference, National Harbor, Maryland.
383. Spear, L.P. (2012, December). *Neuronal Mechanisms for Behavioral and Psychiatric Vulnerability in Adolescents*. ACNP 2012 Conference (American College of Neuropsychopharmacology), Hollywood, Florida.

384. Spear, L.P. (2013, February). *Adolescence: Neurobehavioral characteristics, differential alcohol sensitivities and intake*, Texas A&M, College Station, TX.
385. Spear, L.P. (2013, May). Adolescents and Alcohol: *Acute sensitivities, enhanced intake and later consequences*. Adolescent Addiction Symposium, Keynote Speaker, Duke University, Durham, North Carolina.
386. Spear, L.P. & Varlinskaya, E.I. (2013, May). *Adolescent, social behavior and alcohol: Studies in an animal model*. Association for Psychological Science, Washington, D.C.
387. Broadwater*, M.A. & Spear, L.P. (2013, June). *Consequences of adolescent alcohol exposure on fear conditioning in adulthood*. Research Society on Alcoholism, Orlando, Florida.
388. Dannenhoffer*, C.A. & Spear, L.P. (2013, June). *A comparison of ethanol administration routes in a conditioned taste aversion paradigm in adolescent rats*. Research Society on Alcoholism, Orlando, Florida.
389. Day, A., Celio, M., Lisman, S., Johansen, G. & Spear, L.P. (2013, June). *Drinking history moderates the effect of number of drinks consumed on urge to drink among drinkers in a field setting*. Research Society on Alcoholism, Orlando, Florida.
390. McClory*, A.J., Anderson*, R.I. & Spear, L.P. (2013, June). *Long-term consequences of adolescent ethanol exposure on Pavlovian conditioned approach*. Research Society on Alcoholism, Orlando, Florida.
391. Robinson, D.L., Mathes, W.F., Zitzman, D.L., Shnitko, T.A., Johnson, E.C., Chapman, W.H. & Spear, L.P. (2013, June). *Persistent effects of moderate adolescent alcohol exposure on gene expression and dopamine release in mesocorticolimbic pathways*. Research Society on Alcoholism, Orlando, Florida.
392. Spear, L.P., Varlinskaya, E.I., Truxell, E.M., Broadwater*, M.A., McClory*, A.J. & Anderson*, R.I. (2013, June). *Adolescent intermittent alcohol exposure lasting behavioral consequences and alterations in ethanol sensitivity*. Research Society on Alcoholism, Orlando, Florida.
393. Truxell, E.M., Spear, L.P. & Varlinskaya, E.I. (2013, June). *Sex-dependent differences in adolescent sensitivity to the social consequences and alterations in ethanol sensitivity*. Research Society on Alcoholism, Orlando, Florida.
394. Spear, L.P. (2013, September). *Further thoughts on adolescents and rewards*. Inaugural Flux Congress, Pittsburgh, Pennsylvania.
395. Spear, L.P. (2013, September). *With roots in development: Developmental studies of alcohol vulnerabilities*. SUNY REACH Conference on Neuroscience Research on Substance Abuse, Keynote Speaker, Buffalo, New York.
396. Broadwater*, M.A., Varlinskaya, E.I. & Spear, L.P. (2013, November) *Potentiation of context fear rather than overshadowing after tone conditioning in adult animals following adolescent ethanol exposure*. Society for Neuroscience, San Diego, California.

397. Morales*, M., Varlinskaya, E.I. & Spear, L.P. (2013, November) *Pre-pubertal gonadectomy and the social consequences of acute ethanol in adolescent male and female rats*. International Society for Developmental Psychobiology, San Diego, California.
398. Celio, M., Day, A., Usala, J., Lisman, S. & Spear, L.P. (2013, November) *Brief alcohol screening in a natural context: The AUDIT-C as a predictor of acute intoxication among underage drinkers*. Association for Behavioral and Cognitive Therapies, Nashville, Tennessee.
399. Spear, L.P. (2014, March) *Adolescents and alcohol: Acute sensitivities, enhanced intake, and later consequences*. Penn State Neuroscience Seminar Series, State College, Pennsylvania (invited presentation).
400. Spear, L.P. (2014, May) *Adolescents and alcohol: Acute sensitivities, enhanced intake, and later consequences*. Association for Behavior Analysis International Annual Convention, Chicago, Illinois (invited presentation).
401. Broadwater, M.A., Shnitko, T.A., Eaton, C.J., Crews, F.T., Liu, W., Varlinskaya, E.I. Spear, L.P. & Robinson, D.L. (2014, June). *Evidence for long-lasting disruption of the oxytocin system after adolescent ethanol exposure*. Research Society on Alcoholism, Bellevue, Washington.
402. Celio, M., McGeary, J., Day, A., Usala, S., Lisman, S. & Spear, L.P. (2014, June). *Dopamine-related genetic variation is associated with stimulant and sedative effects of acute alcohol intoxication among underage drinkers*. Research Society on Alcoholism, Bellevue, Washington.
403. Dannenhoffer*, C.A. & Spear, L.P. (2014, June). *Age-differences in rewarding and aversive effects in rats are drug-and conditioning situation-dependent*. Research Society on Alcoholism, Bellevue, Washington.
404. Kim*, E.U. & Spear, L.P. (2014, June). *Effects of pre-pubertal gonadectomy on sensitivity to the social impairing effects of ethanol following acute stress*. Research Society on Alcoholism, Bellevue, Washington.
405. Shnitko, T.A., Kennerly, L.C., Spear, L.P. & Robinson, D.L. (2014, August). *Acute and chronic effects of alcohol on dopamine release and uptake in the medial prefrontal cortex*. International Society for Monitoring Molecules in Neuroscience, Los Angeles, California.
406. Dannenhoffer*, C.A. & Spear, L.P. (2014, October). *Age differences in conditioned place preferences and taste aversions to nicotine*. Society for Neuroscience, Washington, D.C.
407. Truxell, E.M., Varlinskaya, E.I. & Spear, L.P. (2014, October). *Rapid tolerance to ethanol-associated conditioned taste aversion under social circumstances: Impact of age and sex*. Society for Neuroscience, Washington, D.C.
408. Varlinskaya, E.I., Truxell, E.M. & Spear, L.P. (2014, October). *Intermittent ethanol exposure during adolescence: effects on stress-induced social alterations in adulthood*. Society for Neuroscience, Washington, D.C.
409. Vetreno, R.P., Broadwater, M.A., Liu, W., Spear, L.P. & Crews, F.T. (2014, October). *Adolescent, but not adult, binge ethanol exposure leads to persistent global reductions of choline acetyltransferase expressing neurons in brain*. Society for Neuroscience: Washington, D.C.

410. Spear, L.P. (2015, April). *Animal models of alcohol in adolescence: Acute sensitivities, enhanced intake, and later consequences*. University of Illinois at Chicago, Chicago, Illinois. (invited presentation).
411. Spear, L.P. (2015, April). *Animal models of alcohol in adolescence: Acute sensitivities, enhanced intake, and later consequences*. University of Minnesota, Minneapolis, Minnesota. (invited presentation).
412. Spear, L.P. (2015, April). *Animal models of alcohol in adolescence: Why do adolescents drink so much and what are the consequences*. Center for Addiction Research and Education Symposium, University of Florida, Gainesville, Florida. (invited presentation)
413. Spear, L.P. & Varlinskaya, E.I. (2015, June). *Adolescents, sex differences and ethanol: Studies using a simple animal model*. Research Society on Alcoholism, San Antonio, Texas.
414. Saalfield*, J.S., Varlinskaya, E.I. & Spear, L.P. (2015, June). *Conditioned tolerance to ethanol-induced social inhibition in rats: Impact of age and sex*. Research Society on Alcoholism, San Antonio, Texas.
415. Spear, L.P. (2015, August). *What do basic science studies tell us about causes and consequences of adolescent alcohol use?* Gregory J. Bagnall 2nd Annual T32 Retreat and ADACE Community Outreach Event, Louisiana State University, New Orleans, Louisiana. (invited presentation)
416. Pautassi, R.M., Fernandez, M., Nizhnikov, M., & Spear, L.P. (2015, September). *Age-related effects of restraint stress on ethanol intake and ethanol-induced narcosis*. 15th Conference for the European Society for Biomedical Research on Alcoholism, Valencia, Spain.
417. Spear, L.P. (2015, October). *What do basic science studies tell us about causes and consequences of adolescent alcohol use?*, MacMillan Symposium, University of Vermont, Burlington, Vermont. (invited presentation)
418. Spear, L.P. (2015, October). *Contributions to and consequences of adolescent alcohol exposure: Studies in a rodent model*, NIDA-NIAAA Mini-Convention, Society for Neuroscience, Chicago, Illinois.
419. Spear, L.P. (2015, October). *Long-lasting behavioral consequences of adolescent intermittent alcohol: exposure timing and sex matter*, Society for Neuroscience, Chicago, Illinois.
420. Hosova*, D., Varlinskaya, E.I., & Spear, L.P. (2015, October). *Voluntary binge-level consumption of ethanol in adolescent rats and the consequences on adult social behavior*, Society for Neuroscience, Chicago, Illinois.
421. Kim*, E. & Spear, L.P. (2015, October). *Adolescent ethanol exposure, pubertal timing, and novelty seeking in adulthood*, Society for Neuroscience, Chicago, Illinois.
422. Saalfield*, J. & Spear, L.P. (2015, October). *The ontogeny of ethanol aversion*, Society for Neuroscience, Chicago, Illinois.
423. Spear, L.P. (2015, December). *Contributors to and consequences of adolescent alcohol exposure: Studies in a rodent*, Schmitt Lecturer, University of Rochester, Rochester, New York. (invited presentation)

424. Spear, L.P. (2016, May). *Adolescents and alcohol: Acute sensitivities, enhanced intake and later consequences*, Joint Seminars in Neuroscience, University of California, Los Angeles, Los Angeles, California. (invited presentation).
425. Hosova*, D., Dannenhoffer, C.A., Varlinskaya, E.I. & Spear, L.P. (2016, June). *Estimating blood ethanol concentrations (eBECs) from G/KG exposure data in rats: Importance of route and age/sex in "Magic Number" determination*. Research Society on Alcoholism, New Orleans, Louisiana.
426. Saalfeld*, J.S., Spear, L.P. & Varlinskaya, E.I. (2016, June). *Ethanol conditioned taste aversion: Does one bottle vs two bottle choice affect age and sex differences in adolescent and adult male and female rats?* Research Society on Alcoholism, New Orleans, Louisiana.
427. Kim*, E.U. & Spear, L.P. (2016, June). *The role of pubertal timing in the social consequences of early adolescent intermittent ethanol exposure*. Research Society on Alcoholism, New Orleans, Louisiana.
428. Spear, L.P. (2016, October). *Adolescent and college drinking: Insights into contributors and consequences from basic research*. Healthy Campus Summit, Binghamton University, Binghamton, New York. (invited presentation)
429. Hosova*, D. & Spear, L.P. (2016, November). *Procedures for inducing voluntary binge-level consumption of ethanol in adolescent rats*. International Society for Developmental Psychobiology, San Diego, California.
430. Gore-Langton*, J.K. & Spear, L.P. (2016, November). *Increased intake of sucrose-saccharin solution in adolescence after prenatal ethanol exposure in late gestation*. International Society for Developmental Psychobiology, San Diego, California.
431. Kim*, E. & Spear, L.P. (2016, November). *The role of pubertal timing in the social and neural consequences of early adolescent intermittent ethanol exposure*. Society for Neuroscience, San Diego, California.
432. 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, California.
433. Saalfeld*, J., Dannenhoffer*, C., Werner, D., Varlinskaya, E. & 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, California.
434. Spear, L.P. (2017, February). *The experience-seeking and malleable adolescent. What do basic science studies tell us about causes and consequences of adolescent alcohol use?* The UC Consortium on the Developmental Science of Adolescence: Adolescence as a Second Period of Transformation, Center for Mind and Brain, University of California at Davis, Davis, California. (invited presentation)
435. Spear, L.P. (2017, April). *Adolescents and alcohol: Acute sensitivities, enhanced intake, and later consequences*. Seminar Series in Environmental and Molecular Mechanisms of Health and Disease, University of Texas at Austin, Austin, Texas. (invited presentation)

436. Dannenhoffer*, C.A. & Spear, L.P. (2017, June). *Do AMPA and extrasynaptic GABAA receptor systems contribute to adolescent-typical responses to ethanol in social interaction and CTA paradigms?* Research Society on Alcoholism, Denver, Colorado.
437. Hosova*, D. & Spear, L.P. (2017, June). *Voluntary binge-like ethanol consumption in adolescent Sprague-Dawley rats: Procedural contributors and age-specificity.* Research Society on Alcoholism, Denver, Colorado.
438. Kim*, E., Varlinskaya, E.I. & Spear, L.P. (2017, June). *Adolescent intermittent ethanol exposure: Effects of the vasopressin via receptor antagonist, SR49059, on social behavior/preference in male and female rats.* Research Society on Alcoholism, Denver, Colorado.
439. 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.
440. Carter*, J.M., Dannenhoffer*, C.A., Werner, D.F. & Spear, L.P. (2017, November). *Extrasynaptic GABA_A receptors in age-related differences to ethanol responsivity during social interaction.* Society for Neuroscience, Washington, D.C.
441. Gore-Langton*, J.K. & Spear, L.P. (2017, November). *Prenatal ethanol exposure reduces sensitivity to the aversive effects of ethanol in adolescence and increases later preference for a 5% ethanol solution in males but not females.* Society for Neuroscience, Washington, D.C.
442. Hosova*, D. & Spear, L.P. (2018, June). *Voluntary binge-like ethanol consumption in adolescent Sprague-Dawley rats: impact of solution access schedule and effects on adult consumption.* Research Society on Alcoholism, San Diego, California.
443. 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.* Research Society on Alcoholism, San Diego, California.
444. Saalfeld, J. & Spear, L.P. (2018, June). *Fos activation patterns related to acute ethanol and conditioned taste aversion.* Research Society on Alcoholism, San Diego, California.
445. Carter, J.M., Berger, G.E., Palac, M., Koslova, A., Kanestrin, M.L., Spear, L.P. & Werner, D.F. (2018, June). *Age specific activation of select neuronal ensembles response to acute ethanol.* Research Society on Alcoholism, San Diego, California.

Courses Taught:

The Changing Brain (undergraduate)
 Neural Adaptations: Homeostasis, Plasticity, and Pathology (graduate)
 Evolution and Behavior (undergraduate)
 Behavioral Neuroscience II (graduate)
 Developmental Antecedents of Behavior Problems and Psychopathology (graduate)
 Models of Behavioral Sensitization and Tolerance to Drugs (graduate)
 Drugs and Behavior (undergraduate)
 Physiological Psychology (undergraduate and graduate)
 Developmental Psychobiology (undergraduate and graduate)
 Psychopharmacology (graduate)

Neurochemistry (graduate)
Seminars, Center for Neurobehavioral Sciences (graduate)
Developmental Psychology (undergraduate)
Sex Differences (undergraduate)
Teaching in Psychology (graduate)
Ontogeny and Phylogeny of Behavior (graduate)

(nominated twice by Department for Chancellor's Award for Excellence in Teaching)

Ph.D. and Masters Degree Students

Masters

Ismail Shalaby, 1980
John Guastella, 1981
Barbara Barrett, 1982
Frank Scalzo, 1982
Linda Ristine, 1982
Don Linville, 1985
Karl Enters, 1986
Steve Specht, 1987
Cheryl Kirstein, 1988
Nancy Frambes, 1989
Carole Moody, 1990
Charles Heyser, 1991
Tricia Bliven, 1996
James Campbell, 1998
Marisa Silveri, 1998
Nina Katovic, 2000
Monica Casale, 2001
L. Andrew Douglas, 2001
Steven Brunell, 2003
Rajendran Pottayil, 2003
Robert Ristuccia, 2004
Tamara Doremus, 2004
Carrie Wilmouth, 2004
Courtney Vetter, 2006
Amanda Willey, 2008
Ruby Liane Ramirez, 2010
Rachel Anderson, 2010
Melissa Morales, 2010
Margaret Broadwater, 2010
Jessica Saalfield, 2013
Alexander McClory, 2015
Carol Dannenhoffer, 2015
Esther Kim, 2016
Dominka Hosova, 2017

Ph.D.

Frank Scalzo, 1985 (FIRST award recipient)
Linda Ristine (Noonan), 1985 (FIRST award recipient)
Karl Enters, 1988
Steve Specht, 1988
Cheryl Kirstein, 1990
Lavanya Rajachandran, 1992
Carole Moody, 1993
Charles Heyser, 1993
Gregory Goodwin, 1994
Robin Wood, 1996
Gerald Hecht, 1997 (Distinguished Dissertation Award)
Marisa Silveri, 2000
James Campbell, 2000
Steven Brunell, 2006
Robert Ristuccia, 2007
Tamara Doremus-Fitzwater, 2008
Carrie Wilmouth, 2010
Courtney Vetter-O'Hagen, 2011
Amanda Willey, 2012
Rachel Anderson, 2013
Melissa Morales, 2013
Margaret Broadwater, 2013
Jessica Saalfield, 2017

(b) Post-Doctoral Fellows

Victor Molina (1991-93)
Ezio Tirelli (1993)

Giovanni Laviola (1993-94)

(c) Current Trainees being supervised by L. Spear

Graduate Students

Carol Dannenhoffer

Dominika Hosova

Jonathan Gore-Langton

Trevor Towner

-In addition to the above students, L. Spear also serves on an average of 8-10 additional Masters
and

Ph.D. committees per year, both within the University and as an outside examiner at other
Institutions.

Research Associates:

Judith Fager, Ph.D. (2002-04)

Elena Varlinskaya, Ph.D. (2000-on)

Colloquia: (partial list)

Brown University Colloquium, Providence, R.I.

University of Utrecht, The Netherlands

Rutgers University

Massachusetts Institute of Technology

Case Western Reserve

SUNY-Albany

University of Florida

Duke University Medical School

SUNY-Stony Brook

University of Massachusetts - Amherst

William Patterson College - New Jersey

University of Louisiana at Shreveport

East Tennessee State University (Appalachian Chapter of the Society for Neuroscience,
Grass Foundation Traveling Scientist Program)

Brown University

Duke University Medical School

Oregon Health & Sciences University

Texas A&M

Wake Forest University

Yale University

University of Kentucky

Washington University

University of Missouri

Western Illinois University

University of Minnesota

University of Texas at Austin

University of California, Los Angeles