

## Curriculum Vita

### CHARLES R. GOODLETT

Updated: June 2009

#### I. Personal Data

Citizenship:	U.S.A.	(Residence)
Place of Birth:	Frankfort, Kentucky	320 West Walnut Street
Phone:	(317) 873-5805	Zionsville, IN 46077
Marital Status:	Married (6-15-85)	
Spouse:	Joan P. Brandt	

(Office)

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#### II. Education

B.S.	Cum Laude, Psychology; University of Kentucky, 1977
M.A.	Psychology; State University of New York at Binghamton, 1981
Ph.D.	Biopsychology; State University of New York at Binghamton, 1983, (Dr. Peter J. Donovan, Thesis Director)

#### III. Post-Graduate Education

1983-1985 Postdoctoral Associate (multidisciplinary program investigating behavioral, neurochemical, anatomical and neurophysiological consequences of developmental malnutrition, P.J. Morgane, mentor), Worcester Foundation for Experimental Biology, Shrewsbury, MA.

1985-1987 Postdoctoral Associate (in neuroanatomy and developmental neuroscience, Dr. J.R. West, mentor), University of Iowa, Department of Anatomy.

#### IV. Academic Appointments

1999-present	Professor, Department of Psychology, IUPUI
1993-1999	Associate Professor, Department of Psychology, IUPUI (tenured 1998)
1993-present	Adjunct Professor, Program in Medical Neurobiology, Indiana University School of Medicine
1994-present	Full Status Member, IU Faculty of the University Graduate School
1989-1992	Associate Research Scientist, Department of Anatomy, University of Iowa
1987-1989	Assistant Research Scientist, Department of Anatomy, University of Iowa
1985-1987	Research Associate, Department of Anatomy, University of Iowa
1983-1985	Senior Research Associate, Worcester Foundation for Experimental Biology, Shrewsbury, MA
1984-1985	Visiting Assistant Professor, Trinity College, Hartford, CT
1982-1983	Instructor, SUNY-Binghamton, Binghamton, NY
1978-1982	Graduate Student and Teaching Assistant, SUNY-Binghamton, Binghamton, NY

#### V. Other Employment and Training Pertaining to Current Professional Appointments

- 1980 Invited Participant, Workshop in Pharmacogenetics, University of Colorado  
 1977-1978 Animal Care Technician, Dept. of Psychology, University of Kentucky  
 1977-1978 Undergraduate Research Assistant, Dr. Arthur Nonneman, Dept. of Psychology,  
 University of Kentucky.  
 1972-1978 Respiratory Therapy Technician (Frankfort, Georgetown, & Winchester, KY)

VI. Certificates and Licensure  
 none

VII. Professional Affiliations

- 1980 Society for Neuroscience  
 1982 International Society for Developmental Psychobiology  
 1987 Research Society on Alcoholism

VIII. Areas of Research Interest

- Alcohol-induced structural and functional damage to the developing brain  
 Animal models of neuropsychological effects of alcohol-related CNS injury  
 Disorders of learning and attention following brain injury

IX. Current Research Projects

- The effects of ethanol on brain and behavioral development, including long-term consequences to  
 structural and functional development of the cerebellum, hippocampus, and cortex  
 Multi-disciplinary assessment of alcohol-induced brain damage: eyeblink conditioning  
 Therapeutic behavioral training and neuroplasticity following alcohol-induced CNS damage  
 Long-term consequences of early-life stress, modeled in rats by neonatal isolation

X. Teaching Activities

<u>Year</u>	<u>Institution</u>	<u>Course and Title</u>	<u>No.</u> <u>Reg.</u>	<u>Sem.</u>	<u>%</u> <u>Responsibility</u>
1979	SUNY-Binghamton	Psy 130-Drugs & Behavior	26	Sum.	Full
1980	SUNY-Binghamton	Psy 1530-Drugs & Behavior	45	Spr.	Full
1982	SUNY-Binghamton	Psy 162-Physiological Psych	49	Spr.	Full
1982	SUNY-Binghamton	Psy 162-Physiological Psych	43	Fall	Full
1982	SUNY-Binghamton	Psy 162L-Physiol. Psych Lab	20	Fall	Full
1983	SUNY-Binghamton	Psy 162-Physiological Psych	82	Spr.	Full
1983	SUNY-Binghamton	Psy 162L Physiol. Psych Lab	19	Spr.	Full
1984	Trinity College	Psy 261 Physiology & Behav. (+ lab)	8	Fall	Full
1984	Trinity College	Psy 462, Neural Basis of Learn. (Seminar)	6	Spr.	Full
1992	University of Iowa	Medical Neuroscience Laboratory	220	Spr.	Participant
1992-93	IUPUI	Psy 624-Hum. Learning and Mem. (grad)	10	Spr.	Full
1993-94	IUPUI	Psy B320-Physiological Psychology	50	Fall; Spr.	Full
1994-95	IUPUI	Psy B320	60	Fall; Spr.	Full
1995-96	IUPUI	Psy B320	60	Fall	Full
		Psy B105-Intro to Psychology	44	Fall	Full
		Psy B690-Memory Mechanisms (Grad).	5	Spring	Full
1996-97	IUPUI	Psy B320	60	Fall	Full
		Psy B615-Psychobiology (Grad.)	7	Fall	Full
		Psy B590-Neuroanatomy (Grad.)	8	Spring	Full
1997-98	IUPUI	Psy 615-Psychobiology (Grad.)	11	Fall	Full
	IUPUI	Psy B105-Intro to Psychology	150	Spring	Full
	IUPUI	Psy B105 Intro to Psychology	59	Summer	Full
1998-99	IUPUI	Psy 590-Animal Models	12	Fall	Dir.
	IUPUI	Psy B311-Experimental Lab	37	Fall	Full

	IUPUI	Psy B311-Experimental Lab	29	Spring	Full
1999-2000	IUPUI	Psy B311 Experimental Lab	24	Fall	Full
	IUPUI	Psy 615 Psychobiology (Grad)	10	Fall	Full
	IUPUI	Psy B311-Experimental Lab	24	Spring	Full
2000-2001	IUPUI	Psy B311 Experimental Lab	24	Fall	Full
	IUPUI	Psy B311 Experimental Lab	20	Spring	Full
	IUPUI	Psy B344 Learning	48	Spring	Full
2001-2002	IUPUI	Psy B452 Brain Mechanisms of Behav.	12	Spring	Full
2002-2003	IUPUI	Psy 590 Beh. Genetics/ An. Models	7	Fall	Dir
	IUPUI	Psy 615 Behavioral Neurosci (Grad)	10	Fall	Full
	IUPUI	Psy B452 Brain Mechanisms of Behav.	12	Spring	Full
2003-2004	IUPUI	Psy 615 Behavioral Neurosci (Grad)	14	Fall	Full
	IUPUI	Psy B105 Psychology as a Biological Sci	112	Spring	Full
2004-2005	IUPUI	PSY 615 Behavioral Neurosci (Grad)	15	Fall	Full
	IUPUI	Psy B105-Intro to Psychology	113	Spring	Full
2005-2006	IUPUI	PSY 615 Behavioral Neurosci (Grad)	15	Fall	Full
	IUPUI	Psy B105-Intro to Psychology	106	Spring	Full
2006-2007	IUPUI	PSY 615 Behavioral Neurosci (Grad)	15	Fall	Full
	IUPUI	Psy B105 Psychology as a Biological Sci	109	Fall	Full
	IUPUI	Psy B398 Brain Mechanisms of Behavior	13	Spring	Full
	IUPUI	Psy 590 Seminar in Cog & Behav Neurosci	4	Spring	Full
2007-2008	IUPUI	Psy B105 Psychology as a Biological Sci	75	Fall	Full
	IUPUI	Psy B398 Brain Mechanisms of Behavior	17	Spring	Full
2008-2009	IUPUI	PSY 615 Behavioral Neurosci (Grad)	9	Fall	Full
	IUPUI	Psy B398 Brain Mechanisms of Behavior	17	Spring	Full

## XI. Teaching Experience

Behavioral Neuroscience; Brain Mechanisms of Behavior; Animal Models in Behavioral Neuroscience  
 Developmental Psychobiology;  
 Developmental & Molecular Neurobiology (D888: Lectures in Behavioral Development and LTP)  
 Neuroanatomy (D527: Lecture in Learning, Memory & Cognitive Neuroscience)  
 Experimental Methods in Psychology (Lab)  
 Animal Learning  
 Drugs and Behavior

## XII. Other Professional Activities

### Grant Reviewer

*Scientific Review Group Chair*, Special Review Group, ZRG1 IFCN-A 04 M, March 15, 2004.  
*Scientific Review Group Ad Hoc Member*, NIAAA Special Emphasis Panel 2009/08 ZAA1 CC (03), July 7-8, 2009, Washington, D.C.; NIAAA AA-4, Washington, D.C., March 16-17, 2009; NIAAA Center Grant Review, June 4-7, 2008, Bethesda, MD; NIAAA Special Emphasis Panel: Alcohol and Adolescent Vulnerability, July 2007; NIAAA Center Grant, May 25-27, 2005, Bethesda, MD; NIAAA Centers Review, August 15, 2005; Center for Scientific Review ZRG1 IFCN A (05)M; Special Review Group, Nov. 7, 2004; Developmental Brain Disorders IRG, November 4-5, 2004; ZRG IFCN1-A 04M, (March 15, 2004); Training Grant Special Review Group, Dec., 2003; ZAA1 CC (01) R24 Application (Nov. 4, 2003); Special Review Group, July 31, 2003, ZAA1 DD (20), RFA HD-03-004 Prenatal Alcohol Exposure Among High Risk Populations, NIAAA (July 1, 2003); NIAAA ZAA1 GG (11), NIAAA Fellowship Applications (May, 2003); ZAA1 CC (26), RFA AA02-009, Integrative Neuroscience Initiative on Alcoholism, NIAAA, (July, 2002); ZES1 EBJ-D-DT, RFA ES01-006, Developmental Toxicology (R21) Research Grants Program, NIEHS, (December, 2001); ZRG1 IFCN-1(04), NIH, July, 2000; ALCB-2 IRG, NIAAA, June 16-18, 1993; Oct. 12-14, 1993; June 6, 1994; Feb. 7-9, 1995; June 5-6, 1995; April 28, 1998

*Scientific Review Group Appointed Member, ALCB2/ALTX3 Initial Review Group, NIH, appt. Sept., 1995-July, 1999*

*Member, Special Training Grant Review Committee, NIAAA (February 4, 1992)*

*Reviewer, NSF, National Science Foundation (Neural Basis of Behavior) (1989)*

*Ad Hoc member, MBRS Review Subcommittee, NIGMS (February, 1991)*

*Reviewer, The Wellcome Trust, London, England (1992); Academy of Finland, Substance Use and Addictions, Helsinki, Finland (August, 2006)*

*Internal Reviewer, IU Alcohol Research Center (1994)*

*Reviewer, Academy of Finland, Substance Use and Addictions, Helsinki, Finland (2006)*

*Internal Reviewer, IU Research Support*

### Editorial Boards

*Animal Learning & Behavior (current)*

*Alcoholism: Clinical & Experimental Research, Editorial Board Member (2000-2004)*

*Alcoholism: Clinical & Experimental Research, Board of Reviewing Editors (2000-2005)*

*Alcohol (2001-2004)*

Editor-in-Chief, Alcohol, 2005-present

### Ad Hoc Manuscript Reviewer (since 1990):

*Alcohol, Alcohol Health & Research World, Alcoholism: Clinical and Experimental Research, American Journal of Psychology, Annals of Neurology; Behavioral Neuroscience; Behavioural Brain Research, Brain Research; Developmental Brain Research, Developmental Psychobiology, European Journal of Neuroscience, Experimental and Molecular Pathology, Experimental Brain Research, Journal of Comparative Neurology, Journal of Neuroscience, Life Sciences, Neuroscience, Neurotoxicology, Neurotoxicology and Teratology, NeuroReport, NIAAA 9th Annual Report to Congress, Nutritional Neuroscience, Physiology and Behavior, Pharmacology, Biochemistry, & Behavior, Psychobiology, Neurobiology of Learning and Memory, Science*

### Other Professional Service

*Member, NIAAA Extramural Scientific Advisory Board on FAS, 1997*

*Research Society on Alcoholism, Program Committee (1997-99)*

*Program Reviewer, Teratology Training Grant (NIEHS), Children's Hospital Research Foundation, Cincinnati, OH March 9, 1998*

*Research Society on Alcoholism, Program Committee (2002-2003)*

*External Advisory Board Member, New Mexico Alcohol Research Center (2003-present)*

*Representative to the Federation of Behavioral, Psychological, and Cognitive Sciences, International Society for Developmental Psychobiology (2003-2006)*

*Ad Hoc Member, NIAAA Extramural Scientific Advisory Board on FAS, 2007*

### Postdoctoral Trainees Supervised

*Tuan D. Tran, Ph.D. August, 1999-2003*

*John Green, Ph.D. (with Dr. Joe Steinmetz, Indiana University, Bloomington), 2000-2003*

### Ph.D. Committees

*Daniel J. Bonthius, (University of Iowa), August 1990*

*Douglas P. Dohrman (University of Iowa), September 1993*

*Stephanie Rock (IUPUI), April 1999*

*Zac Pujic, University of Queensland, Australia, outside examiner, May 1999*

*Dawn Bielawski, Wayne State University, Dept. of Psychology, October 1999*

*Todd Girard, University of Waterloo, Dept. of Psychology, March 2002*

Candace Hoffman, University of British Columbia, Department of Psychology, October 2002  
 Kirk Johnson, Medical Neurobiology, IU School of Medicine, December 2003  
 Teresa A. Powrozek, IUPUI, June, 2005 (Chair)  
 Timothy B. Johnson, IUPUI, May, 2008 (Chair)  
 Kristin H. Horn, Program in Medical Neurobiology, IU School of Medicine, November 2004 (Chair)  
 Alexis Behm Green (in progress)  
 Timothy Johnson, IUPUI, Psychobiology, April, 2008 (Chair)  
 Kevin Brown, University of Delaware (May, 2008)

#### Masters Thesis Committees

Robert L. Hewitt (IUPUI); May 1994  
 Kristy R. Lundahl (IUPUI), December 1999, (Chair)  
 Deborah Wimer (IUPUI), 2001 (Chair)  
 Nick Gilpin (IUPUI), May, 2003  
 Michelle Carroll (IUPUI), December, 2003  
 Alexis Behm (IUPUI), 2004  
 Lathen Hardy (IUPUI), 2004  
 Dennise Garzon (IUPUI), 2007 (Chair)  
 Jennifer Wagner (IUPUI), 2008 (Chair)

#### Other Teaching Activities

Faculty Participant, Secondary Student Training Program, University of Iowa (1989, 1990)  
 Faculty Supervisor, IUPUI/UNCF Summer Research Internship Program (1993)  
 Supervisor, Senior Individualized Project, Kate O'Brien, Kalamazoo College (1994)  
 Preceptor, Training Grant on Alcohol-Related Research, Dr. L. Lumeng, PI (1994-present)  
 Faculty Supervisor for Nancy Kruse, SPUR Program (1994-95)  
 Faculty Supervisor for David M. Smith, SPUR Program (1994-95)  
 Honors/SPUR Project Supervisor, Stephanie J. Cravens (1995); Aaron Pearlman (1995-96); Tim Johnson, (1995-96); Jennifer Maaita, 1997-98); Dale Ziegler (1999-2000); Shannon Risacher (2004-05); Andrea Schafer (2005-06);

#### University Committee Service Activities

Member, Service/Professional Development Committee, Department of Anatomy, 1992  
 Member, IUPUI School of Science Animal Care and Use Subcommittee, 1993-present  
 Member, IUPUI School of Science Research Committee 1993-96; 97-00  
 Task Force on Graduate Research, IUPUI School of Science, 1994-95  
 IUPUI Research Affairs Committee, 2003-present  
 Chair, IUPUI Research Affairs Committee, 2008-2009  
 Medical Neurobiology Curriculum Committee, 2004-present  
 IUPUI Faculty Board of Review, 2005  
 IUPUI Research Support Funds Grant Review Panel, 2005-present  
 Search and Screen Committee, IUPUI Vice-Chancellor for Research, 2007  
 Search and Screen Committee, IUPUI School of Science Associate Dean for Research, 2008  
 Computer and Information Sciences Promotion and Tenure Committee, 2008-2010  
 School of Science Promotion and Tenure Unit Committee, 2009-2009  
 IUPUI Animal Facilities Task Force, 2009

#### Departmental Administrative Positions

Psychobiology Graduate Committee, 1993-present  
 Acting Assistant Chair, Jan., 1996-June, 1996

Area Head, Psychobiology Program, Aug., 1998-2002; 2008-present  
 Chair, Psychobiology Faculty Search and Screen Committee, 2008-09.

### XIII. Honors, Awards, and National Elected Offices

Graduate *cum laude*, University of Kentucky, 1977

Travel Award, Gordon Conference on Alcohol, "Neural Mechanisms in Search of Behavior",  
 Oxnard, CA, January 10-15, 1993.

*Officer*, Fetal Alcohol Syndrome Study Group, 1995-99,

*President*, Fetal Alcohol Syndrome Study Group, 1997-98

Faculty Research Award, IUPUI School of Science, 2000

*Society Representative*, Advisory Board of the Federation of Psychological, Behavioral and Cognitive  
 Sciences, International Society for Developmental Psychobiology

### XIV. Financial Resources and Grant Support

#### Active

National Institute on Alcohol Abuse and Alcoholism: "Translational Studies of FASD Using a Sheep Model"  
Co-Investigator (T. Cudd, Texas A&M University, Principal Investigator), UO1AA017120-01, 2007-  
 2012, \$1,325,000 Total direct costs.

National Institute on Alcohol Abuse and Alcoholism: "Alcohol & Development: Cerebellar-  
 Hippocampal Effects." Co-Investigator, (M. Stanton, University of Delaware, Principal Investigator)  
 R01 AA014288-01, 2004-2009, \$175,000

National Institute on Alcohol Abuse and Alcoholism: "Genetic Determinants of Alcoholism" Indiana  
 University Alcohol Research Center, P50 AA007611-20 (Crabb, PI), "Genetics of FAS in the Mouse"  
Co-investigator, (F. Zhou, Component PI; IU School of Medicine, Department of Anatomy).

#### Completed

National Institute on Alcohol Abuse and Alcoholism: "Alcohol and Development: Effects on Cerebellar  
 Systems." Principal Investigator and IRPG Program Director, RO1 AA11945-10, 2003-2008.  
 \$1,325,000 Total direct costs.

National Institute on Alcohol Abuse and Alcoholism: "Therapeutic Motor Training and Fetal Alcohol  
 Effects." Co-Investigator, (W.T. Greenough, Beckman Institute, University of Illinois, Principal  
 Investigator), RO1 AA09838-07, 2002-2007, \$1,250,000 Total direct costs; Goodlett (IUPUI)  
 subcontract: 2002-2007 (in no-cost extension), \$524,998 total direct costs..

National Institute on Alcohol Abuse and Alcoholism: "Testing FASD Therapeutic Agents: Neonatal  
 Rodent Models." Principal Investigator, U01 AA014829-02, 2003-2006, \$221,470

National Institute on Alcohol Abuse and Alcoholism: "Alcohol and Brain Development: A Midline  
 Cascade Hypothesis." Co-investigator, (F. Zhou; IU School of Medicine, Department of Anatomy,  
 Principal Investigator); R01 AA12406, 2000-2004, \$426,800 total direct costs.

National Institute on Alcohol Abuse and Alcoholism: "Temporal Determinants of Developmental  
 Alcohol Effects." Sponsor, (T. B. Johnson, Predoctoral Trainee), F31AA013229, 2001-2003, \$45,020  
 Total direct costs

National Institute on Alcohol Abuse and Alcoholism: "HAD Rats as an Animal Model of Fetal Alcohol Effects Induced by Voluntary Alcohol Consumption." Investigator, Pilot Project 35, (Part of Alcohol Research Center, Indiana University School of Medicine, T. -K. Li, Principal Investigator), P50 AA07611, 1998-2000, \$45,600 total direct costs to CRG.

Indiana University Intercampus Research Fund: "Early alcohol exposure and cerebellar function." Principal Investigator (jointly with Joseph E. Steinmetz, IUB). \$9,360 total costs.

National Institute on Alcohol Abuse and Alcoholism: "Alcohol, Brain Development, and Behavioral Dysfunction." Principal Investigator, R29 AA09596, 1993-1998, \$349,961 total direct costs.

National Institute on Alcohol Abuse and Alcoholism: "Therapeutic Motor Training and Fetal Alcohol Effects." Co-Principal Investigator, (W.T. Greenough, Beckman Institute, University of Illinois, Principal Investigator), RO1 AA09838, 1994-2002; competing renewal ongoing)

IUPUI Faculty Development Grant, Undergraduate Research Mentorship: "Neuropsychological effects of developmental exposure to alcohol." Faculty Mentor for Nancy Kruse, 1994-95, \$1500.

IUPUI Faculty Development Grant, Undergraduate Research Mentorship: "Temporal factors controlling hippocampal structural alterations induced by developmental exposure to alcohol" Faculty Mentor for David M. Smith, 1994-1995, \$1500.

National Institute on Alcohol Abuse and Alcoholism: AA07313 "Genetic Influences on CNS Fetal Alcohol Effects." Co-Investigator (J.R. West, Principal Investigator), 1987-1992, \$587,078 total direct costs.

## XV. Bibliography

### Refereed Journal Articles (in chronological order):

1. Corwin, J., Nonneman, A.J. and Goodlett, C.R. Limited sparing of function on spatial delayed alternation after two-stage lesions of prefrontal cortex in the rat. Physiology and Behavior, 1981, 26:763-771.
2. Goodlett, C.R., Engellenner, W.J., Burrigh, R.G. and Donovan, P.J. The influence of environmental rearing history and postsurgical environmental change on the septal rage syndrome in mice. Physiology and Behavior, 1982, 28:1077-1081.
3. Engellenner, W.J., Goodlett, C.R., Burrigh, R.G. and Donovan, P.J. Environmental enrichment and restriction: Effects on reactivity, exploration and maze learning in mice with septal lesions. Physiology and Behavior, 1982, 29:885-893.
4. Goodlett, C.R., Donovan, P.J. and Burrigh, R.G. Attenuation of reversal deficits of mice with septal lesions by shifts in the motivational context. Behavioral Neuroscience, 1983, 97:937-944.
5. Smith, G.J., Goodlett, C.R., Burrigh, R.G., Donovan, P.J. and Spear, N.E. The presence of home-cage stimuli attenuates spontaneous-alternation deficits in rats with septal lesions. Physiological Psychology, 1983, 11:119-124.

6. Goodlett, C.R., Valentino, M.L., Morgane, P.J. and Resnick, O. Altered development of responsiveness to clonidine in severely malnourished rats. Pharmacology, Biochemistry and Behavior, 1985, 23:562-572.
7. Goodlett, C.R., Valentino, M.L., Morgane, P.J. and Resnick, O. Spatial cue utilization in chronically malnourished rats: Task-specific learning deficits. Developmental Psychobiology, 1986, 19:1-15.
8. Goodlett, C.R. and Valentino, M.L. Differential effects of clonidine, B-HT 933 and B-HT 920 in immature rat pups. Pharmacology, Biochemistry and Behavior, 1987, 27:283-290.
9. Bartness, T.J., Goodlett, C.R. and Morgane, P.J. Effects of pre- and early postnatal protein malnutrition on carcass composition and lipoprotein lipase activity in male rats. Physiology and Behavior, 1987, 39:721-726.
10. Tjossem, H.H., Goodlett, C.R. and West, J.R. Sprouting responsiveness in the dentate gyrus is reduced by ethanol administered following but not preceding an entorhinal lesion. Experimental Neurology, 1987, 97:441-453.
11. Goodlett, C.R., Kelly, S.J. and West, J.R. Early postnatal alcohol exposure that produces high blood alcohol levels impairs development of spatial learning. Psychobiology, 1987, 15:64-74.
12. Lind, M.D., Goodlett, C.R. and West, J.R. The time course and reversibility of ethanol's suppressive effects on axon sprouting in the dentate gyrus of the adult rat. Alcoholism: Clinical and Experimental Research, 1988, 12:433-429.
13. Kelly, S.J., Goodlett, C.R., Hulsether, S.A. and West, J.R. Impaired spatial navigation in adult female but not adult male rats exposed to alcohol during the brain growth spurt. Behavioural Brain Research, 1988, 27:247-257.
14. Goodlett, C.R., Nonneman, A.J., Valentino, M.L. and West, J.R. Constraints on water maze spatial learning in rats: Implications for behavioral studies of brain damage and recovery of function. Behavioural Brain Research, 1988, 28:275-286.
15. West, J.R., Kelly, S.J. and Goodlett, C.R. Fetal alcohol syndrome and brain damage. Australian Alcohol and Drug Review, 1988, 7:65-68.
16. Bonthius, D.J., Goodlett, C.R. and West, J.R. Blood alcohol concentration and severity of microencephaly in neonatal rats depend on the pattern of alcohol administration. Alcohol, 1988, 5:209-214.
17. Goodlett, C.R., Nichols, J.M., Halloran, R.W. and West, J.R. Long term deficits in water maze spatial conditional alternation performance following retrohippocampal lesions in rats. Behavioural Brain Research, 1989, 32:63-67.
18. Goodlett, C.R., Mahoney, J.C. and West, J.R. Brain growth deficits following a single day of alcohol exposure. Alcohol, 1989, 6:121-126.
19. Pierce, D.R., Goodlett, C.R. and West, J.R. Differential neuronal loss following early postnatal alcohol exposure. Teratology, 1989, 40:113-126.

20. Hamre, K.M., Hyman, B.T., Goodlett, C.R., West, J.R. and Van Hoesen, G.W. Alz-50 immunoreactivity in the neonatal rat: changes in development and co-distribution with MAP-2 immunoreactivity. Neuroscience Letters, 1989, 91:264-271.
21. Goodlett, C.R., Gilliam, D.M., Nichols, J.M. and West, J.R. Genetic influences on brain growth restriction induced by developmental exposure to alcohol. Neurotoxicology, 1989, 10:321-334.
22. West, J.R., Goodlett, C.R., Bonthius, D.J. and Pierce, D.R. Manipulating peak blood alcohol concentrations in neonatal rats: Review of an animal model for alcohol-related developmental effects. Neurotoxicology, 1989, 10:347-366.
23. West, J.R., Goodlett, C.R., Bonthius, D.J., Hamre, K.M. and Marcussen, B.L. Cell population depletion associated with fetal alcohol brain damage: Mechanisms of BAC-dependent cell loss. Alcoholism: Clinical and Experimental Research, 1990, 14:813-818.
24. Goodlett, C.R., Hamre, K.M. and West, J.R. Regional differences in the timing of dendritic outgrowth of Purkinje cells in the vermal cerebellum demonstrated by MAP2 immunocytochemistry. Developmental Brain Research, 1990, 53:131-134.
25. Goodlett, C.R., Marcussen, B.L. and West, J.R. A single day of alcohol exposure during the brain growth spurt induces brain weight restriction and cerebellar Purkinje cell loss. Alcohol, 1990, 7:107-114.
26. West, J.R., Goodlett, C.R. and Brandt, J.P. New approaches to research on the long-term consequences of prenatal alcohol exposure. Alcoholism: Clinical and Experimental Research, 1990, 14:684-689.
27. West, J.R. and Goodlett, C.R. Teratogenic effects of alcohol on brain development. Annals of Medicine, 1990, 22:319-325.
28. Goodlett, C.R., Thomas, J.D. and West, J.R. Long-term deficits in cerebellar growth and rotarod performance of rats following "binge-like" alcohol exposure during the neonatal brain growth spurt. Neurotoxicology & Teratology, 1991, 13:69-74.
29. Gionet, T.X., Thomas, J.D., Warner, D.S., Goodlett, C.R., Wasserman, E.A. and West, J.R. Forebrain ischemia induces selective behavioral impairments associated with hippocampal CA1 injury. Stroke, 1991, 22:1040-1047.
30. Cabalka, L.M., Hyman, B.T., Goodlett, C.R., Ritchie, T.C. and Van Hoesen, G.W. Alteration in the pattern of nerve terminal protein immunoreactivity in the perforant pathway in Alzheimer's disease and in rats after entorhinal lesions. Neurobiology of Aging, 1992, 13:283-291.
31. Goodlett, C.R., Hamre, K.M. and West, J.R. Dissociation of spatial navigation and visual guidance performance in Purkinje cell degeneration (pcd) mutant mice. Behavioral Brain Research, 1992, 47:129-141.
32. Pantazis, N.J., Dohrman, D., Goodlett, C.R. and West, J.R. Alcohol reduces the number of pheochromocytoma (PC12) cells in vitro. Alcohol, 1992, 9:171-180.

33. Savage, D.D., Queen, S.A., Sanchez, C.F., Paxton, L.L., Mahoney, J. C., Goodlett, C.R. and West, J.R. Prenatal ethanol exposure during the last third of gestation in rat reduces hippocampal NMDA agonist binding site density in 45-day-old offspring. Alcohol, 1992, 9:1-5.
34. Goodlett, C.R., Leo, J.T., O'Callaghan, J.P., Mahoney, J.C. and West, J.R. Transient cortical astrogliosis induced by alcohol exposure during the neonatal brain growth spurt of rats. Developmental Brain Research, 1993, 72:85-97.
35. Pantazis, N.J., Dohrman, D.P., Goodlett, C.R., Cook, R.T. and West, J.R. Vulnerability of cerebellar granule cells to alcohol-induced cell death diminishes with time in culture. Alcoholism: Clinical and Experimental Research, 1993, 17:1014-1021
36. Marcussen, B.L., Goodlett, C.R., Mahoney, J.C. and West, J.R. Developing rat Purkinje cells are more vulnerable to alcohol-induced depletion during differentiation than during neurogenesis. Alcohol, 1994, 11, 147-156.
37. Pantazis, N.J., Dohrman, D.P., Luo, J., Thomas, J.D., Goodlett, C.R., and West, J.R. N-Methyl-D-Aspartate (NMDA) prevents alcohol-induced neuronal cell death of cerebellar granule cells in culture. Alcoholism: Clinical and Experimental Research, 1995,19:846-853.
38. Goodlett, C. R. and Peterson, S. D. Sex differences in vulnerability to developmental spatial learning deficits induced by limited binge alcohol exposure in neonatal rats. Neurobiology of Learning and Memory, 1995, 64, 265-275.
39. Thomas, J.D., Wasserman, E.A., West, J.R., and Goodlett, C.R. Behavioral deficits induced by bingelike exposure to alcohol in neonatal rats: Importance of developmental timing and number of episodes. Developmental Psychobiology, 1996, 29, 433-452.
40. Goodlett, C. R. and Lundahl, K. R. Temporal determinants of neonatal alcohol-induced cerebellar damage and motor performance deficits. Pharmacology, Biochemistry, & Behavior, 1996, 55:531-540.
41. Goodlett, C. R. and Eilers, A. T. Alcohol-induced Purkinje cell loss with a single binge exposure in neonatal rats: A stereological study of temporal windows of vulnerability. Alcoholism: Clinical and Experimental Research, 1997, 21:738-744.
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Invited Presentations and Symposia (in chronological order):

1. "Environmental Influences on the Effects of Septal Lesions", Department of Psychology, Lafayette College, Easton, PA, June, 1982.
2. "Neuroanatomical and Behavioral Effects of Alcohol Exposure During the Brain Growth Spurt", Department of Psychology, University of Iowa, April 18, 1988.
3. Keynote Speaker, Illinois-Iowa Undergraduate Psychology Conference, "Animal Models of the Effects of Alcohol on the Developing Central Nervous System", Knox College, Galesburg, IL, May 7, 1988.
4. "Genetic Influences on the Effects of Alcohol on the Developing Central Nervous System", Sixth International Neurotoxicology Conference, Drug Abuse and Brain Development, N. Little Rock, AR, October 12, 1988.
5. Symposium Chairman, "Alcohol-Related Developmental Effects: Biological Bases of Impaired Behavioral Development", International Society for Developmental Psychobiology, Toronto, Ontario, Canada, November 11, 1988.
6. "Effects of Early Postnatal Alcohol on the Hippocampus and Cerebellum: Links to Impaired Spatial Performance", International Society for Developmental Psychobiology, Toronto, Ontario, Canada, November 11, 1988.
7. "Development of Microtubule-Associated Protein 2 Immunoreactivity in the Rat Brain", Neuroscience Program, University of Iowa, April 21, 1989.
8. "An Animal Model of Central Nervous System Dysfunction Associated with Fetal Alcohol Exposure: Behavioral and Neuroanatomical Correlates", Symposium on Learning and Memory: The Behavioral and Biological Substrates, University of Iowa, April 29, 1989.

9. "Recent Findings of Alcohol-Induced Alterations in Brain Morphology in an Animal Model of Third Trimester Alcohol Exposure, and Implications for Human Fetal Alcohol Research", Fetal Alcohol Study Group, Marco Island, FL, June 8, 1991.
10. "Third Trimester Alcohol-Induced Neural and Behavioral Pathology", C.S. Mott Center for Human Growth and Development, Wayne State University, Detroit, MI, September 25, 1991.
11. "Risk Factors and Individual Differences in the Behavioral and Neuroanatomical Effects of Alcohol Exposure During the Brain Growth Spurt", Department of Psychology, Indiana University-Purdue University @ Indianapolis, February, 17, 1992.
12. "Characteristics and Determinants of Learning Impairments Following Binge-Like Alcohol Exposure During the Third Trimester Equivalent", Research Society on Alcoholism Symposium, Alcohol and Pregnancy: Biological and Functional Deficits in Attention and Memory Across the Lifespan, San Diego, CA, June 14, 1992.
13. "Effects of Developmental Exposure to Alcohol on CNS Morphology", Department of Anatomy, Indiana University School of Medicine, Indianapolis, IN, October 19, 1995.
14. "Structural and Behavioral Indices of Sensitive Periods of Vulnerability to Ethanol", Research Society on Alcoholism meeting, Symposium on Mechanisms of Ethanol-Induced Neuronal Death During Development: From the Molecule to Behavior, Washington, D.C., June 24, 1996; published in Alcoholism: Clinical and Experimental Research, 20:128A-132A, 1996.
15. "Developmental Differences in Vulnerability of the Brain to Binge Alcohol Exposure: Why 'Knowing When' Matters", Binghamton Psychology Alumni Symposium on Alcohol, Development, Brain and Behavior, Binghamton, NY, June 28-29, 1996.
16. Symposium Organizer and Chairman, "The Cerebellum as a Target of Fetal Alcohol Exposure", Research Society on Alcoholism, San Francisco, CA, July 20, 1997.
17. "Alcohol exposure during the 'third trimester equivalent': Cerebellar damage and motor learning deficits", Research Society on Alcoholism meeting, Symposium on The Cerebellum as a Target of Fetal Alcohol Exposure, San Francisco, CA, July 20, 1997.
18. "The Developing Cerebellum as a Target of Alcohol Neurotoxicity", Department of Developmental Biology and Anatomy, University of South Carolina School of Medicine, Columbia, SC, March 17, 1997.
19. Chair, Paper Session #4: Alcohol, Lead, and Development. International Society for Developmental Psychobiology, New Orleans, LA, October 24, 1997.
20. "The Cerebellum as a Target of Alcohol Neurotoxicity during Development", Department of Anatomy, Indiana University School of Medicine, Indianapolis, IN, November 11, 1997.
21. "Fetal alcohol syndrome and alcohol-related neurodevelopmental disorders", Department of Developmental Biology, Children's Hospital Research Foundation, Cincinnati, OH, March 9, 1998.

22. "Alcohol-induced damage to the developing cerebellum: Structural and behavioral deficits and experience-dependent rehabilitation", 37th Annual Meeting of the American College of Neuropsychopharmacology, Las Croabas, Puerto Rico, December 18, 1998.
23. Klintsova, A.Y., Briones, T.L., Goodlett, C.R., and Greenough, W.T., "Rehabilitative intervention in a rat model of alcohol-related brain dysfunction", Invited Symposium: Behaviour-Induced Neural Events after Brain Injury, 5th Internet World Congress for Biomedical Science, December 9-17, 1998.
24. "Fetal alcohol exposure, brain damage, & experience-dependent neuroplasticity: Limiting boundaries or pathways to rehabilitation"? Department of Psychiatry, Institute for Psychiatric Research, Indiana University School of Medicine, March 18, 1999.
25. "Alcohol-induced cerebellar damage and developmental dysfunction: An animal model perspective". Monell Chemical Senses Center, May 6, 1999.
26. "Alcohol-induced damage to the developing cerebellum". Department of Basic Medical Sciences, School of Veterinary Medicine, Purdue University, West Lafayette, IN, October 21, 1999.
27. "Long-term deficits in spatial learning following limited neonatal binge alcohol exposure." Johnson, T.B.(graduate student awardee), Peterson, S.D., and Goodlett, C.R (sponsor). Sandra G. Weiner Graduate Student Award Presentation, International Society for Developmental Psychobiology, October 22, 1999.
28. "Brain damage and neuroplasticity in an animal model of binge alcohol exposure during the 'third trimester equivalent'". 10<sup>th</sup> Congress of the International Society for Biomedical research on Alcoholism, Yokohama, Japan, July 6, 2000.
29. "Alcohol-induced damage to the developing brain: neurobiological approaches to behavioral dysfunction and rehabilitation". Biology Department, IUPUI School of Science, Indianapolis, Indiana, September 22, 2000.
30. "Uses and Implications of an Animal Model of Binge Alcohol Exposure during Brain Development", Psychology Department, University of Memphis, Memphis, Tennessee, November 17, 2000.
31. "Brain Damage and Rehabilitation in an Animal Model of Developmental Exposure to Alcohol: Implications for Human Fetal Alcohol Syndrome", Department of Psychology, Northern Kentucky University, January 16, 2001.
32. "Critical Periods of Vulnerability to Alcohol-Induced Damage in the Developing Rat Brain". Sigma Xi, Northern Kentucky Chapter, January 16, 2001.
33. "Cerebellar systems as a target of fetal alcohol exposure: Damage, dysfunction, and rehabilitation in an animal model" Department of Animal Sciences, Rutgers University, March 2, 2001.
34. "Using Animal Models to Understand Risks and Consequences of Prenatal Exposure to Alcohol". Conference of High School Psychology Educators, Department of Psychology, IUPUI, April 20, 2001.

35. "Towards a Functional Neurobiology of Teratogenic Neurodevelopmental Disorders: Strategies using Animal Models. Symposium Organizer and Chair, 25<sup>th</sup> Annual Meeting of the Neurobehavioral Teratology Society, Montreal, CA, June 25, 2001.
36. "Applications of Eyeblink Conditioning to Research on Fetal Alcohol Syndrome". 16<sup>th</sup> Annual Winter Conference on Current Issues in Developmental Psychobiology. Palm Beach, Aruba, January 11, 2002.
37. "Gene-Environment Interactions in Susceptibility to FAS". Organizer and Chair, Round-Table Discussion, Fetal Alcohol Syndrome Study Group, San Francisco, CA, June 28, 2002.
38. "Prevention and Treatment of Teratogenic Effects of Binge Alcohol Exposure: An Animal Model Approach". Basic and Clinical Neuroscience Program, Wayne State University College of Medicine, Detroit MI, September 17, 2002.
39. "The Search for External Funding: Opportunities and Obstacles with Collaborative Research". Graduate Student Workshop, Department of Psychology, Binghamton University, Binghamton, NY, October 25, 2002.
40. "An Animal Model Approach to Alcohol-induced Brain Damage: Risk, Prevention and Treatment". Department of Psychology, Binghamton University, Binghamton, NY, October 25, 2002.
41. Chair, Paper Session #4: Human Developmental Psychobiology. International Society for Developmental Psychobiology, Orlando, FL, November 2, 2002.
42. "Risk Factors in Animal Models of Fetal Alcohol Syndrome (FAS)". The Many Faces of Experience—A Panel Discussion. Eastern Psychological Association, Baltimore, MD, March 15, 2003.
43. "Progressing toward Rational Interventions for Fetal Alcohol Spectrum Disorders Using Experimental Animal Models", Department of Human Anatomy and Neurobiology, Texas A&M Health Sciences Center, College Station, TX, April 8, 2003.
44. Moderator, Fetal Alcohol Paper Session, Research Society on Alcoholism, Ft. Lauderdale, FL, June 24, 2003.
45. "Translational Neuroscience in Fetal Alcohol Syndrome: Can Animal Model Research Guide Effective Interventions?" Department of Neurosciences, University of New Mexico Health Science Center, Albuquerque, NM, October 1, 2004.
46. "Alcohol Teratogenesis: Mechanisms of Damage and Strategies for Intervention", Association of Anatomy, Cell Biology, Neurobiology Chairpersons, Kapalua, Maui, HI, January 21, 2005.
47. "Animal Model Approaches to Prevention and Treatment of Fetal Alcohol Spectrum Disorders." Center for Drug and Alcohol Programs, Medical University of South Carolina, Charleston, SC, January 5, 2006.
48. "Therapeutic Rehabilitation and Neuroplasticity in an Animal Model of Fetal Alcohol Spectrum Disorder". Department of Neurosciences, University of New Mexico School of Medicine, Albuquerque, NM, October 26, 2006.

49. “Can Animal Model Studies Illuminate the Road to Rational Diagnosis, Treatment, and Prevention of Fetal Alcohol Spectrum Disorders?” Department of Psychology, University of New Mexico, Albuquerque, NM, October 27, 2006.
50. “Animal Model Approaches to Rehabilitation and Prevention of Fetal Alcohol Spectrum Disorders”. Midwestern Psychological Association, Chicago, IL May 3, 2007.
51. “Developing Treatments for Fetal Alcohol Spectrum Disorders Through Animal Models”, Department of Psychology, Baylor University, Waco, TX July 9, 2008.