

**BIOGRAPHICAL SKETCH**

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2. Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME Deborah A. Pearson, Ph.D.		POSITION TITLE	
eRA COMMONS USER NAME dpearson		Professor, Psychiatry & Behavioral Sciences	
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as</i>			
INSTITUTION AND LOCATION	DEGREE ( <i>if applicable</i> )	YEAR(s)	FIELD OF STUDY
Wesleyan University, Middletown, Connecticut	B.A.	May 1979	Biology/Psychology
Rice University, Houston, Texas	M.A.	May 1982	Psychology
Rice University, Houston, Texas	Ph.D.	May 1986	Psychology

**A. Positions and Honors****Employment:**

- 1986 - 1987 Visiting Assistant Professor. Dept. of Psychology, Rice University, Houston, Texas.  
 1987 - 1995 Assistant Professor. Department of Psychiatry & Behavioral Sciences, The University of Texas Medical School at Houston  
 1988 - Present Adjunct Faculty, Department of Psychology, Rice University, Houston, Texas.  
 1995 - 2005 Associate Professor (tenured). Department of Psychiatry & Behavioral Sciences, The University of Texas Medical School at Houston  
 2005 - Present Professor (tenured). Department of Psychiatry & Behavioral Sciences, The University of Texas Medical School at Houston

**Licensure/Certifications/Other Professional Activities:**

- 1989-present Licensed as Psychologist, Texas State Board of Examiners of Psychologists,  
 1997 Certified Interviewer, Autism Diagnostic Interview, Revised  
 1999 Certified Examiner, Autism Diagnostic Observation System  
 1988- present American Psychological Association, Member  
 Fellow, Division 33 (Mental Retardation and Developmental Disabilities)  
 Member, Division 7 (Developmental Psychology)  
 1995-present Ad Hoc Reviewer, NIH Study Sections  
 Child Psychopathology and Developmental Disabilities (CPDD), 6/04, 10/05; Brain Disorders and Clinical Neurosciences (BDCN), 3/04, 3/05; Advanced Centers for Mental Health Disparities (ZMH1-ERB-B), 10/04; National Institute of Nursing Research (NINR), 10/97; AIDS and Related Research-G (ARRG), 7/95  
 2006-present Member, Child Psychopathology and Developmental Disabilities (CPDD) Study Section, NIH  
 1993-present Editorial Board, *Journal of Child and Family Studies*  
 1991-present Reviewer, *Am. J. Mental Retardation*, *Biol Psychiatry*, *Child Development*, *Cognitive Development*, *Ear and Hearing*, *Expert Opin Emerging Drug*, *J. Abnormal Psychology*, *J. Amer. Academy of Child and Adolescent Psychiatry*, *J. Child and Adol. Psychopharm*, *J. Child and Family Studies*, *J. Child Psychol Psychiat & Allied Disciplines*, *J. Exp Child Psychology*, *Neuropsychol*, *Neuropsychopharm*, *Pediatrics*, *Res in Devel Disabilities*

**B. Publications (selected).**

- Lane, D. M., and **Pearson**, D. A. (1982). The development of selective attention. *Merrill-Palmer Quarterly*, 28, 317-337.
- Lane, D. M. and **Pearson**, D. A. (1983). Attending to spatial locations: A developmental study. *Child Development*, 54, 98-104.

3. Lane, D. M. and **Pearson**, D. A. (1983). Can stimulus differentiation and salience explain developmental changes in attention? A reply to Hagen and Wilson, Jeffrey, and Odom. *Merrill-Palmer Quarterly*, 29, 227-233.
4. **Pearson**, DA, & Lane, DM (1984). The effect of noise on selective attention. *Am J Psyc*, 97, 583-592.
5. Pumariega, A. J., Breiger, D., **Pearson**, D. A., Dreyer, C., and Seilheimer, D. K. (1990). Behavioral symptoms in cystic fibrosis versus neurological patients. *Psychosomatics*, 31, 405-409.
6. **Pearson**, D. A., and Lane, D. M. (1990). A developmental study. *Child Development*, 61, 1779-1795.
7. **Pearson**, D. A., and Lane, D. M. (1990). "Reorientation in hyperactive and non-hyperactive children: Evidence for developmentally immature attention?" In J. T. Enns (Ed.), *The Development of Attention: Research and Theory. Advances in Psychology*, Vol. 69, (pp. 345-363). Amsterdam, Elsevier.
8. **Pearson**, D. A., & Lane, D. M. (1991). Auditory attention switching: A development study. *Journal of Experimental Child Psychology*, 51, 320-334.
9. **Pearson**, D. A., Pumariega, A. J., and Seilheimer, D. K. (1991). The development of psychiatric symptomatology in patients with cystic fibrosis. *Journal of the American Academy of Child and Adolescent Psychiatry*, 30, 290-296.
10. **Pearson**, D. A., Lane, D. M., and Swanson, J. M. (1991). Auditory attention switching in children with attention deficit hyperactivity disorder. *Journal of Abnormal Child Psychology*, 19, 477-490.
11. **Pearson**, D.A. (1993). Dual diagnosis in children: Attention deficit hyperactivity disorder. *Southwest Quarterly Review*, 1, 1-3.
12. Pumariega, A. J., **Pearson**, D. A., and Seilheimer, D. K. (1993). Family and childhood adjustment in cystic fibrosis. *Journal of Child and Family Studies*, 2, 109-118.
13. Casat, C. D., **Pearson**, D. A., Ruiz-Nazario, J., and Rhoades, H. (1994). Serial dexamethasone suppression tests (DST) in recently hospitalized children. *Biological Psychiatry*, 36, 203-205.
14. Loveland, K. A., Tunali-Kotoski, B., **Pearson**, D. A., Brelsford, K. A., and Ortegon, J. (1994). Imitation and expression of facial affect in autism. *Development and Psychopathology*, 6, 433-444.
15. **Pearson**, D. A., and Aman, M. G. (1994). Ratings of hyperactivity and developmental indices: Should clinicians correct for developmental level? *Journal of Autism and Devel Disorders*, 24, 395-411.
16. **Pearson**, D. A., and Lachar, D. (1994). Using behavioral questionnaires to predict adaptive deficits in elementary school children. *Journal of School Psychology*, 32, 33-52.
17. Casat, C., **Pearson**, D. A., Taft, M. J., and Cherek, D. (1995). Methylphenidate effects on a lab aggression paradigm in ADHD children. *Psychopharmacology Bulletin*, 31, 351-354.
18. Jerger, S., Martin, R., **Pearson**, D. A., & Dinh, T. (1995). Childhood hearing impairment: Auditory and linguistic interactions during multidimensional speech processing. *J Speech Hearing Res*, 38, 930-948.
19. Loveland, K. A., Tunali-Kotoski, B. T., Chen, R. T., Brelsford, K. A., Ortegon, J., and **Pearson**, D. A. (1995). Intermodal perception of affect in persons with autism or Down syndrome. *Development and Psychopathology*, 7, 409-418.
20. **Pearson**, D. A., Yaffee, L. S., Loveland, K. A., and Norton, A. (1995). Covert visual attention in children with attention deficit hyperactivity disorder: Evidence for developmental immaturity? *Development and Psychopathology*, 7, 351-367.
21. Englund, J. A., Baker, J., Raskino, C., McKinney, R., Lifschitz, M., et al. (1996). Clinical and laboratory characteristics of a large cohort of symptomatic, HIV-infected infants and children. *The Pediatric Infectious Disease Journal*, 15, 1025-1036.
22. **Pearson**, D. A., Pickering, L. K., Doyle, M., and Ortegon, J. (1996). Pediatric HIV infection: Epidemiology, clinical manifestations, and current intervention. *J of Dev and Physical Dis*, 8, 179-210.
23. **Pearson**, D. A., Yaffee, L. S., Loveland, K. A., and Lewis, K. R. (1996). A comparison of sustained and selective attention in children who have mental retardation with and without attention deficit hyperactivity disorder. *American Journal on Mental Retardation*, 100, 592-607.
24. **Pearson**, D. A., Santos, C. W., Roache, J. D., Loveland, K. A., Casat, C. D., Farwell, E. C., Roebuck, T. M., and Lachar, D. (1996). Effects of methylphenidate on behavioral adjustment in children with mental retardation and ADHD: Preliminary findings from a study in progress. *Journal of Developmental and Physical Disabilities*, 8, 313-333.
25. Spiga, R., **Pearson**, D. A., and Broitman, M. (1996). Effects of methylphenidate on cooperative responding in children with attention deficit hyperactivity disorder. *Experimental and Clinical Psychopharmacology*, 4, 451-458.

26. Englund, J. A., Baker, C. J., Raskino, C., McKinney, R. E., Petrie, B., Fowler, M. G., **Pearson, D. A.**, et al. (1997). Zidovudine, didanosine, or both as the initial treatment for symptomatic HIV-infected children. *New England J. of Medicine*, 336, 1704-1711.
27. Loveland, K., Tunali-Kotoski, B., Chen, R., Ortegon, J., **Pearson, D. A.**, et al. (1997). Emotion recognition in autism: Verbal and non-verbal information. *Develop and Psychopathology*, 9, 579-593.
28. **Pearson, D. A.**, Norton, A. M., and Farwell, E. C. (1997). ADHD in mental retardation: Nature of attention deficits. In J. T. Enns & J. Burack (Eds.), *Attention, Development, and Psychopathology*. New York: The Guilford Press, pp. 205-229.
29. Arnold, L. E., Gadow, K., **Pearson, D. A.**, and Varley, C. K. (1998). Stimulants in patients with mental retardation. In S. Reiss & M. G. Aman (Eds.), *Psychoactive Medications and Developmental Disabilities: The International Consensus Handbook*. Columbus, Ohio: The Ohio State University Nisonger Center, pp. 229-257.
30. Aman, M. G., and **Pearson, D. A.** (1999). Monitoring and measuring drug effects. II. Behavioral, emotional, and cognitive effects. In J. S. Werry and M. G. Aman (Eds.), *Practitioner's Guide to Psychoactive Drugs for Children and Adolescents*. New York: Plenum Press, pp. 99-164.
31. Raskino, C., **Pearson, D. A.**, Baker, C. J., Lifschitz, M. H., O'Donnell, K., et al. (1999). Neurological, neurocognitive and brain growth outcomes in HIV-infected children receiving different nucleoside antiretroviral regimens. *Pediatrics*, 104, e32.
32. Jerger, S., **Pearson, D. A.**, and Spence, M. J. (1999). Developmental course of auditory processing interactions: Garner interference and Simon interference. *J of Exp Child Psychology*, 74, 44-67.
33. **Pearson, D. A.**, Lachar, D., Loveland, K. A., Santos, C. W., Faria, L. P., Hentges, B. A., and Cleveland, L. A. (2000). Patterns of behavioral adjustment and maladjustment in mental retardation: A comparison of children with and without ADHD. *Amer. Journal on Mental Retardation*, 105, 236-251.
34. **Pearson, D. A.**, McGrath, N. M., Nozyce, M., Nichols, S. L., Raskino, C., Brouwers, P., Lifschitz, M. et al. (2000). Predicting HIV disease progression in children using measures of neuropsychological and neurological functioning. *Pediatrics*, 106, e76.
35. Lachar, D., Randle, S., Harper, R. A., Scott-Gurnell, K., Lewis, K., Santos, C. W., Saunders, A., **Pearson, D. A.**, Loveland, K. A., and Morgan, S. (2001). The Brief Psychiatric Rating Scale for Children (BPRS-C): Validity and reliability of an anchored version. *Journal of the Academy of Child and Adolescent Psychiatry*, 40, 333-340.
36. Casat, C.D., **Pearson, D.A.**, & Casat, J.P. (2001). "Attention deficit hyperactivity disorder." In B. Vance & A.J. Pumariega (Eds.), *Clinical Assessment of Children and Youth Behavior*. New York: John Wiley and Sons, pp. 263-306.
37. Casat, C.D., & **Pearson, D.A.** (2001). "The mental status exam in child and adolescent evaluation." In B. Vance & A.J. Pumariega (Eds.), *Clinical Assessment of Children and Youth Behavior*. New York: John Wiley and Sons, pp. 86-97.
38. Lachar, D., Randle, S., Harper, R.A., Scott-Gurnell, K., Lewis, K., Santos, C.W., Saunders, A., **Pearson, D.A.**, Loveland, K.A., & Morgan, S. (2001) The Brief Psychiatric Rating Scale for Children (BPRS-C): Validity and reliability of an anchored version. *Journal of the American Academy of Child and Adolescent Psychiatry*, 40, 333-340.
39. Loveland, K., **Pearson, D.A.**, Tunali-Kotoski, B., Ortegon, J., & Gibbs, M.C. (2001). Judgments of social appropriateness by children and adolescents with autism. *J of Autism and Dev Disorders*, 31, 367-376.
40. Aman, M.G., DeSmedt, G., Derivan, A., Ben Lyons, B., Findling, R.L., Hagerman, R., Handen, B., Hellings, J., Lesem, M., Pahl, J., **Pearson, D.**, Rieser, Singh, N., & Swanson, J. (2002). Risperidone Treatment of Children With Disruptive Behavior Disorders and Subaverage IQ: A Double-Blind, Placebo-Controlled Study. *American Journal of Psychiatry*, 159, 1337-1346.
41. Snyder, R., Turgay, A., Aman, M., Binder, C., Fisman, S., Carroll, A., Simeon, J., Vogel, W., Jain, U., Mahoney, W., Johnson, S., Benn, D., **Pearson, D.**, Hellings, J., Strang, J., Singh, N., & Evans, R. (2002). "Effects of Risperidone on Conduct and Disruptive Behavior Disorders Children with subaverage IQs. *J. American Academy of Child and Adolescent Psychiatry*, 41, 1026-1036.
42. **Pearson, D.A.**, Santos, C.W., Loveland, K.A., Casat, C.D., Lachar, D., Roache, J., & Faria, L.P. (2003). Treatment effects of methylphenidate on behavioral adjustment in children with mental retardation and ADHD. *Journal of the American Academy of Child and Adolescent Psychiatry*, 42, 209-216.
43. **Pearson, D.A.** (2003). "Attention Deficit Hyperactivity Disorder: Interview, commentary, and review of

syndrome." In D.M. Lane (Ed.), *A Multimedia Textbook in Behavioral Neuroscience*. Web-based textbook sponsored by the National Science Foundation ([http://128.42.98.168/neuropsychology/video\\_ADHD.html](http://128.42.98.168/neuropsychology/video_ADHD.html)).

44. Scheibel, R., **Pearson**, D., Faria, L., Kotrla, K.J., Aylward, E., & Levin, H.S. (2003). An fMRI study of executive functioning after severe diffuse TBI. *Brain Injury*, 11, 919-930.
45. **Pearson**, D.A., Santos, C.W., Jerger, S.W., Casat, C.D., Roache, J., Loveland, K.A., Lane, D.M., Lachar, D., Faria, L.P., & Getchell, C. (2004). Treatment effects of methylphenidate on cognitive functioning in children with mental retardation and ADHD. *Journal of the American Academy of Child and Adolescent Psychiatry*, 43, 686-698.
46. Aman, M.G., Novotny, S., Samango-Sprouse, C., Lecavalier, E., Gadow, K., King, B., **Pearson**, D., Gernsbacher, M.A., Chez, M., Herlihy, W. (2004) Outcome Measures for Clinical Trials in Autism. *CNS Spectrums*, 9, 36-47
47. **Pearson**, D.A., Lane, D.M., Santos, C.W., Casat, C.D., Jerger, S.W., Roache, J., Loveland, K.A., Lachar, D., Faria, L.P., Getchell, C., Mansour, R., & Cleveland, L.A. (2004). Effects of methylphenidate treatment in Children with ADHD/MR: Individual Variation in Medication Response. *Journal of the American Academy of Child and Adolescent Psychiatry*, 43, 677-685.
48. Taber, K.H., Shaw, J.B., Loveland, K.A., **Pearson**, D.A., Lane, D.M., & Hayman, L.A. (2004). Accentuated Virchow-Robin spaces in the centrum semiovale in children with autistic spectrum disorders. *Journal of Computer Assisted Tomography*, 28, 263-268.
49. **Pearson**, D. A., Loveland, K. A., Lachar, D., Lane, D. M., Reddoch, S. L., Mansour, R., Cleveland, L. A. (in press). A Comparison of Behavioral and Emotional Functioning in Children and Adolescents with Autistic Disorder and PDD-NOS. *Child Neuropsychology*.

### C. Research Support:

#### Ongoing Research Support

R01 MH72263 Deborah A. Pearson, Ph.D. (PI) 7/12/05 – 5/31/10

NIH/NIMH

*ADHD Symptoms in Autism: Cognition, Behavior, Treatment*

The goals of this project are: 1) to study the cognitive and behavioral manifestations of Attention Deficit Hyperactivity Disorder (ADHD) symptomatology in children and adolescents with autism, and 2) to assess the effects of stimulant treatment on behavior and cognition in these children.

Role: Principal Investigator

P01HD035471 Katherine A. Loveland, Ph.D. (Overall PI) 3/1/99-2/29/07

NIH/NICHHD

*Orbitofrontal-Limbic Dysfunction in Autism*

Examines brain-behavior relationships in children and adolescents on the autistic spectrum.

Roles: Principal Investigator, Core B: *Patient Coordination, Assessment, and Methodology Core*

Co-investigator, Research Project I: *Neurobehavioral Development and Dysfunction in Autism*

R01NS042772 Harvey S. Levin, Ph.D. (PI) 9/30/01 – 7/31/07

NIH/NINDS

*An fMRI Study of Executive Functioning after TBI*

Investigates brain-behavior relationships in adults with traumatic brain injury, using functional neuroimaging and neuropsychological techniques. Also assesses effect of methylphenidate treatment on cortical activation patterns elicited by executive function tasks one month following TBI.

Role: Co-investigator

#### Research Support Completed in the Last Three Years:

R01MH063908 Donald M. Dougherty, Ph.D. (PI) 4/1/02 – 8/31/07

NIH/NIMH

*Impulsivity Models: Behavioral Mechanisms*

Examines the relationship between impulsivity, biological mechanisms, and treatment prediction/outcome. Project continues to 2007, but UT's involvement ended when PI moved to other institution.

Role: Co-investigator