

BIOGRAPHICAL SKETCH

NAME Mayes, Linda	POSITION TITLE Arnold Gesell Professor of Child Psychiatry, Pediatrics and Psychology		
eRA COMMONS USER NAME			
EDUCATION/TRAINING <i>(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)</i>			
INSTITUTION AND LOCATION	DEGREE <i>(if applicable)</i>	YEAR(s)	FIELD OF STUDY
University of the South; Sewanee, TN	B.A.	May, 1973	Chemistry
Vanderbilt University; Nashville, TN	M.D.	May, 1977	Medicine

A. Research And Professional Experience:

1978-1980 Resident in Pediatrics, Vanderbilt University Hospital
 1980-1982 Postdoctoral Fellow in Neonatology, Vanderbilt University Hospital
 1982-1984 Robert Wood Johnson General Pediatrics Fellow, Dept. Pediatrics, Yale
 1984-1985 Postdoctoral Research Fellow in Yale Child Study Center
 1985-1989 Assistant Professor of Pediatrics, Yale Child Study Center
 1986-1991 William T. Grant Faculty Scholar, Yale Child Study Center
 1989- Elizabeth and House Jameson Assistant Professor in the Yale Child Study Center
 1991- Arnold Gesell Associate Professor Child Psychiatry, Yale Child Study Center
 1995-2002 Arnold Gesell Associate Professor without term, Yale Child Study Center
 2002- Arnold Gesell Professor without term, Yale Child Study Center

Academic Honors and Awards: Johnson and Johnson Advanced Research Award, 1984•1986. James Hudson Brown•Alexander Coxe Research Award, 1985 Yale University. Sigma Xi, Yale University. Research and Teaching Award for Plenary session Presentation, 1985 Ambulatory Pediatric Association. Doctor of Science Honoris Causa, 1994, University of the South.

B. Selected Bibliography (from over 190 peer reviewed papers, chapters, books)

Mayes, L.C., Granger, R.H., Frank, M.A., Bornstein, M.H., and Schottenfeld, R. (1993). Neurobehavioral profiles of infants exposed to cocaine prenatally. *Pediatrics*, 91: 778-783.

Malakoff, M., Mayes, L.C., and Schottenfeld, R. (1994). Language abilities of preschool children living with cocaine-using mothers. *American Journal on Addictions*, 3:4: 346-354.

Mayes, L.C. (1994). Neurobiology of prenatal cocaine exposure: Effect on developing monoamine systems. *Infant Mental Health*, 15: 134-145.

Mayes, L.C. and Bornstein, M.H. (1995). Developmental dilemmas for cocaine abusing parents and their children. In M. Lewis and M. Bendersky (Eds.), *Cocaine Mother and Cocaine Babies: The Role of Toxins in Development*, Lawrence Erlbaum Associates, 13: 251-271.

Mayes, L.C., Bornstein, M., Chawarska, K., & Granger, R.H. (1995). Information processing and developmental assessments in 3-mos-old infants exposed prenatally to cocaine. *Pediatr*, 95:4: 539-45.

Mayes, L.C. and Cicchetti, D.V. (1995). Prenatal cocaine exposure and neurobehavioral development: How subjects lost to follow-up bias study results. *Child Neuropsychology*, 1: 2: 128-139.

Kain, Z., Mayes, L.C., Schottenfeld, R., et al. (1995). Thrombocytopenia in pregnant women who use cocaine. *American Journal of Obstetrics and Gynecology*, 173: 885-890.

Mayes, L.C. (1995). Substance abuse and parenting. In M.H. Bornstein (Ed.), *The Handbook of Parenting*, Hillsdale, New Jersey: Lawrence Erlbaum, 5: 101-125.

Mayes, L.C., Bornstein, M.H., Chawarska, K., and Granger, R.H. (1996). Impaired regulation of arousal in 3-mos-old infants exposed prenatally to cocaine & other drugs. *Dev. Psychopath*, 8: 29-42.

Kain, Z.N., Mayes, L.C., Ferris, C.A., Pakes, J., and Schottenfeld, R. (1996). Cocaine-abusing parturients undergoing cesarean section: A cohort study. *Anesthesiology*, 85:5: 1028-1035.

Mayes, L.C. and Bornstein, M.H. (1996). The context of development for young children from cocaine-abusing families. In P. Kato and T. Mann (Eds.), *Handbook of Diversity Issues in Health Psychology*, NY: Plenum Press, pp. 69-95.

Mayes, L.C., Feldman, R., Granger, R.H., Haynes, O.M., Bornstein, M.H. and Schottenfeld, R. (1997). The effects of polydrug use with and without cocaine on mother-infant interaction at 3 and 6 months. *Infant Behavior and Development*, 20:4: 489-502.

Mayes, L.C. and Bornstein, M. (1997). The development of children exposed to cocaine. *Developmental Psychopathology: Perspectives on adjustment, risk, and disorder*, N.Y., Cambridge Univ. Press, pp. 166-188.

Mayes, L.C. and Bornstein, M. (1997). Attention regulation in infants born at risk Prematurity and prenatal cocaine exposure. In J. A. Burack and J. T. Enns (Eds.), *Attention, Development, and Psychopathology*, New York: The Guilford Press, pp. 97-122.

Lustbader, A.S., Mayes, L.C., McGee, B.A., Jatlow, P. & Roberts, W.L. (1998). Incidence of passive exposure to crack/cocaine and clinical findings in infants seen in an outpatient service. *Ped.*, 102:1.

Mayes, L.C., Grillon, C., Granger, R., and Schottenfeld, R. (1998). Regulation of arousal and attention in preschool children exposed to cocaine prenatally. In J.A. Harvey and B.E. Kosofsky (Eds.), *Cocaine: Effects on the Developing Brain*, *Annals of the New York Academy of Sciences*, 846: 126-143.

Mayes, L.C. (1999). Reconsidering the concept of vulnerability in children using the model of prenatal cocaine exposure. In T. Cohen, M. H. Etezady, and B.L. Pacella (Eds.), *The Vulnerable Child*, Vol. 3, International Universities Press, Madison, CT., pp. 35-54.

Malakoff, M.E., Mayes, L.C., Schottenfeld, R. and Howell, S. (1999) Language production in 24-month-old inner-city children of cocaine-and-other-drug-using mothers. *J. App. Dev. Psy*, 20:3, 159-180.

Feldman, R. and Mayes, L.C. (1999). The cyclic organization of attention during habituation is related to infants' information processing. *Infant Behavior & Development*, 22:1: 37-49.

Dow-Edwards, D., Mayes, L., Spear, L. and 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.

Mayes, L.C. (1999). Developing brain and in-utero cocaine exposure: Effects on neural ontogeny. *Development and Psychopathology*. (Special Issue) 11: 685-714.

Mayes, L.C. (2000). Developmental perspective on regulation of arousal. *Sem. Perinat.* 24: 267-279.

Luthar, S. S., Doyle, K., Suchman, N.E., and Mayes, L.C. (2001). Developmental themes in women's emotional experiences of motherhood. *Development and Psychopathology*, 13: 165-182.

Leckman, E.B., Mayes, L.C., and Hodgins, H.S. (2001) Perceptions and Attitudes Toward Prenatal Cocaine Exposure In Young Children. *Child Psychiatry and Human Development*. 31:313-328.

Mayes, L.C., Ward, A. Principles of neurobehavioral teratology. [Chapter] Cicchetti, Dante (Ed); Walker, Elaine (Ed). (2003). *Neurodevelopmental mechanisms in psychopathology*. (pp. 3-33). New York, NY, US: Cambridge University Press.

Mayes, L.C. (2003). A behavioral teratogenic model of the impact of prenatal cocaine exposure on arousal systems. *Neurotoxicology and Teratology*. 24: 385-395.

Mayes, Linda C; Cicchetti, Domenic; Acharyya, Suddhasatta; Zhang, Heping (2003). Developmental Trajectories of Cocaine-and-Other-Drug-Exposed and Non-Cocaine-Exposed Children. *Journal of Developmental & Behavioral Pediatrics*. 24: 323-335.

Mayes, L. C. (2003). Genetics of childhood disorders: LV. prenatal drug exposure. *Journal of the American Academy of Child & Adolescent Psychiatry*. Vol 42: 1258-1261.

Molitor, A., Mayes, L.C., Ward, A. (2003) Emotion regulation behavior during a separation procedure in 18-month-old children of mothers using cocaine and other drugs. *Develop. & Psychopathol.* 15: 39-54.

Pasley, B.N., Mayes, L.C., & Schultz, R.T. (2004). Differential amygdala but not extrastriate activity is evidence for categorization of objects not seen during binocular rivalry. *Neuron*. 42: 163-172.

Rivkees, S., Mayes, L.C., & Gross, I. (2004). Beneficial effects of cycled lighting on the development of rest activity patterns in premature infants. *Pediatrics*. 113 (4): 833-9.

Schroder, M., Snyder, P., Sielski, I. & Mayes, L.C. (2004). Impaired performance of children exposed in-utero to cocaine on a novel test of visuospatial working memory. *Brain and Cognition*. 55 (2): 409-12.

Lipshitz, D.S., Mayes, L.C., Rasmussen, A.M., Anyan, W., Billingslea, E., & Southwick, S.M. Baseline and Modulated Acoustic Startle Responses in Adolescent Girls with Posttraumatic Stress Disorder. (in press) *American Journal of Psychiatry*.

Mayes, L.C., Molfese, D.L., Key, A.F., & Hunter, N. (2005). Event-Related Potentials In Cocaine-Exposed Children During A Stroop Task. *Neurotoxicology and Teratology*. 27: 797-813.

C. Research Support

Ongoing Research Support

R01 HD037007 Kain (PI) 07/01/1999-04/30/2008

NIH

“Psychological Influences on Postoperative Recovery”

Examines psychological characteristics of the child and parents that influence the child's recovery from surgery and the presence of longer-term behavioral changes.

R01 DA017863 Mayes (PI) 04/15/2004-03/31/2009

NIH - NIDA

“Cocaine-Exposed Children & ERP Studies in Neurocognition”

This proposal seeks to extend promising preliminary findings regarding cortical functioning in prenatally cocaine exposed school-aged children participating in event related potential (ERP) studies

R01 HD044796 Mayes (PI) 03/01/2005-02/28/2010

NIH - NICHD

“Neurocognitive Development in Children Living in Poverty”

This study focuses on the neurocognitive development of economically disadvantaged and non-disadvantaged children 4-8 years of age.

5-R01-DA06025 Mayes (PI) 07/01/1992-05/31/2008

NIDA

“Arousal and Attention in Cocaine-Exposed Children”

To examine over five years a cohort of three hundred 7 to 8 year old prenatally cocaine-exposed and non-cocaine-exposed children.

R01 DA019135 Yonkers(PI) 09/20/2004-09/30/2009

NIDA

“Psycho social Research to Improve Drug Treatment in Pregnancy”

Epidemiological study of risk factors for postpartum depression in high-risk mothers.

R01 DA017294 Suchman (PI) 08/20/2004 -06/30/2008

NIDA

“Fostering Mother's Emotionally-Responsive Parenting”

Designs and evaluates an intervention for substance using mothers focused on changing parental behaviors toward their child.

K05 DA020091 Mayes, Linda (PI) 07/01/2005- 06/30/2010

NIH

“Cortical Maturation and ERP in Cocaine-Exposed Children” A senior research scientist award focused on event related potential methods for studying cortical maturation in children.

R01 DA017863 Mayes (PI)

10/01/2005-09/30/2006

NIDA

“Supplement to Cocaine-Exposed Children and ERP Studies of Neurocognition”

Supplement focuses on identifying specific polymorphisms related to prefrontal cortical functioning

Mayes (PI) 4/01/2006-3/31/2008

Donaghue Medical Research Foundation

“Minding the Baby: A Home Visiting Program for Young Parents”

Evaluates an intervention for young pregnant women

Completed Research

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