

BIOGRAPHICAL SKETCH

Provide the following information for the Senior/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 Roth, Jeffrey		POSITION TITLE Research Professor of Pediatrics	
eRA COMMONS USER NAME (credential, e.g., agency login) jffroth			
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	MM/YY	FIELD OF STUDY
Brooklyn College	B. A.	06/62	European Literature
Indiana University	M.A.	06/65	Comparative Literature
University of Florida	Ph. D.	12/87	Foundations of Education

A. Personal Statement

A major goal of the National Center for Analysis of Longitudinal Data in Educational Research is to generate rigorous scientific studies that have practical applications. In collaboration with David Figlio, we have outlined a database linkage project that will provide a foundation for a life-span approach to studying disadvantaged youth. The project will link Florida Department of Health birth certificates for children born between 1992 and 2003 to Florida Department of Education student records for children who attended public schools up through academic year 2008-09. The objective of this study is to investigate whether the decline in the advantage associated with pre-kindergarten participation is uniform, or whether it varies depending on the practices and policies that different districts and schools implement. In order to relate these participation effects to school policies and practices, we plan to merge the linked health and education records to six rounds of principal and teacher surveys of educational policies and practices that David Figlio has conducted over the last decade. This project would therefore provide an unparalleled opportunity to study the ways in which public pre-kindergarten might help to overcome early childhood disadvantage and the specific educational policies and practices that work to sustain the initial improvements generated by early education programs. As director for the last seven years of the University of Florida's (UF) Family Data Center, I have the experience and motivation to assist the Principal Investigator, David Figlio, in securing data sharing agreements, securely linking data sets, and supervising the generation of studies by faculty and graduate students affiliated with our Center. My background is in social and anthropological foundations of education, with specific training in measurement and evaluation. As assistant professor in Pediatrics at UF, I conducted survey research on intergenerational family literacy and secondary data analysis of neonatal intensive care graduates' educational outcomes at kindergarten. As associate professor, I collaborated with economists and biostatisticians and published articles on educational costs associated with low birth weight and behavioral consequences of participating in preschool. I am PI on several state contracts that track the movement of infants from neonatal intensive care into programs for children with developmental delay or disability. Through grants from the Robert Wood Johnson Foundation and Jessie Ball duPont Fund, our Center has established strong ties with community organizations actively engaged in improving the life chances of vulnerable children and families. As a result of these interdisciplinary collaborations, I am aware of the importance of frequent communication among project team members and adhering to a project research plan, timeline, and budget. This interdisciplinary project builds on our Center's expertise in maintaining an extensive longitudinal data repository. The PI has a proven track record in securing the cooperation of local, state, and national educational agencies dedicated to enhancing student performance. My record of successfully conducting evaluation studies of early intervention programs such as Early Head Start, Migrant Head Start, and Even Start will contribute importantly to the successful execution of this project.

B. Positions and Honors

Positions and Employment

- 1989-1995 Affiliate Assistant Professor, Social and Psychological Foundations of Education Department., College of Education, University of Florida, Gainesville, FL
- 1989-1999 Research Assistant Professor, Department of Pediatrics., College of Medicine, University of Florida, Gainesville, FL
- 1999-2011 Research Associate Professor, Department of Pediatrics, College of Medicine, University of Florida, Gainesville, FL
- 2011-present Research Professor, Department of Pediatrics, College of Medicine, University of Florida, Gainesville, FL

Other Experience and Professional Memberships

- 1986-2003 Member, American Educational Research Association
- 1998-2003 Member, Southern Society of Pediatric Research
- 2002-2006 Member, Southeast Evaluation Association
- 2002- Member, Academic Pediatric Association

C. Selected Peer-reviewed Publications (Selected from 31 peer-reviewed publications)

1. Roth, J., Resnick, M. B., Ariet, M., Carter, R. L., Eitzman, D. V., Curran, J. S., Cupoli, J. M., Mahan, C. S., & Bucciarelli, R. L. (1995). Changes in survival patterns of very low birth weight infants from 1980 to 1993. *Archives of Pediatrics and Adolescent Medicine*, *149*, 1311-1317. PMID: 7489066
2. Roth, J., Myers-Jennings, C., & Stowell, D. (1997). How integration of services improves family literacy: Testimony from Even Start participants. *Journal for a Just and Caring Education*, *3*, 418-432.
3. Roth, J., Hendrickson, J., Schilling, M., & Stowell, D. (1998). The risk of teen mothers' having low birth weight babies: Implications of recent medical research for school health personnel. *Journal of School Health*, *68* (7), 271-275. PMID: 9779401
4. Resnick, M. B., Gomatam, S. V., Carter, R. L., Ariet, M., Roth, J., Kilgore, K. L., Bucciarelli, R. L., Mahan, C. S., Curran, J. S., & Eitzman, D. V. (1998). Educational disabilities of neonatal intensive care graduates. *Pediatrics*, *102*(2 Pt 1), 308-314. PMID: 9685431
5. Thompson, J. R., Carter, R. L., Edwards, A. R., Roth, J., Ariet, M., Ross, N., & Resnick, M. B. (2003). A population based study of the effects of birth weight on early developmental delay or disability in children. *American Journal of Perinatology*, *20*(6), 321-332. PMID: 14528402
6. Roth, J., Figlio, D. N., Chen, Y., Carter, R. L., Ariet, M., Resnick, M. B., & Morse, S. B. (2004). Maternal and infant factors associated with excess kindergarten costs. *Pediatrics*, *114*(3) 720-728. PMID: 15342845
7. Wu, S. S., Ma, C., Carter, R. L., Ariet, M., Feaver, E. A., Resnick, M. B. & Roth, J. (2004). Risk factors for infant maltreatment: A population-based study. *Child Abuse and Neglect*, *28*(12), 1253-1264. PMID: 15607768
8. Gueorguieva, R. V., Sarkar, N. P., Carter, R. L., Ariet, M., Roth, J., & Resnick, M. B. (2003). A risk assessment screening test for very low birth weight. *Maternal and Child Health Journal*, *7*(2), 127-136. PMID: 12870628
9. Morse, S. B., Wu, S. S., Ma, C., Ariet, M., Resnick, M. B., Roth, J. (2006). Racial and gender differences in the viability of extremely low birth weight infants: A population-based study. *Pediatrics*. *117*(1), e106-112. PMID: 16396844
10. Gueorguieva, R., Morse, S. B., Roth, J. (2008). Length of prenatal participation in WIC and risk of delivering a small for gestational age infant: Florida, 1996-2004. *Maternal and Child Health Journal*. *13*(4), 479-488. PMID: 18661219
11. Liu, X., Roth, J. (2008). Development and validation of an infant morbidity index using latent variable models. *Statistics in Medicine*, *27*(7), 971-989. PMID: 17573677
12. Figlio, D., Hamersma, S., Roth, J. (2009). Does prenatal WIC participation improve birth outcomes? New evidence from Florida. *Journal of Public Economics*, *93*(1-2), 235-245.

13. Figlio, D., Roth J. (2009). The behavioral consequences of pre-kindergarten participation for disadvantaged youth. In J. Gruber (Ed.), *The problems of disadvantaged youth: An economic perspective* (pp. 15-42). Chicago: University of Chicago Press.
14. Morse, S. B., Zheng, H., Tang, Y., Roth, J. (2009). Early school age outcomes of late preterm infants. *Pediatrics*, 123(4), e622-e629. PMID: 19336353
15. Xu, X., Daily, A. B., People-Sheps, M., Talbot, E. O., Li, N., Roth, J. (2009). Birth weight as a risk factor for breast cancer: a meta-analysis of 18 epidemiologic studies. *Journal of Women's Health*. 18(8), 1169-1178. PMID: 19630536
16. Figlio, D. N., Hamersma S., Roth, J. (2011). Information shocks and social networks. *National Bureau of Economic Research Working Paper* No.16930, 1-33.

D. Research Support

Ongoing Research Support

F015329 Roth (PI)

Jessie Ball duPont Fund

9/15./09 -09/14/14

Gainesville community database

This goal of this project is to construct and deploy a data warehouse for community organizations to exchange information about services provided to families whose children enter the foster care system.

Role: PI

COQ-RC Roth (PI)

7/1/09-6/30/12

Florida Department of Health

Early Steps Data Advice and Technical Assistance

The goal of this project is to provide real time tracking of assessments and services provided to infants and toddlers birth through age three with special health care needs and their families.

Role: PI

MED098 Roth (PI)

7/1/09-6/30/12

Florida Agency for Health Care Administration

Florida Medicaid Maternal and Child Health Status Indicators Report

The goal of this project is to provide descriptive statistics on 36 birth outcomes for women whose pregnancy was or was not funded by Medicaid.

Role: PI

COQ-QN Roth (PI)

7/1/09 – 6/30/12

Florida Department of Health

Children's Medical Services' Regional Perinatal Intensive Care Centers Data System

The goal of this project is to provide real time tracking of obstetrical services to women identified as having a high-risk pregnancy and neonatal intensive care services to critically ill/low birth weight newborns.

Role: PI

The goal of this project is to develop, test, and disseminate new approaches to improve teaching and learning, and ultimately student achievement.

Role: Co-PI

Completed Research Support

MED062 Roth (PI)

7/1/08-6/30/11

Florida Agency for Health Care Administration

Evaluation of Florida's Medicaid Family Planning Waiver

The goal of this project is to determine whether participants in Florida's Family Planning Waiver program demonstrate fewer repeat pregnancies and longer interbirth intervals than women who were eligible for the program but did not participate.

Role: PI

R305A60018 Figlio, (PI)

9/01/06-06/30/11

U.S. Department of Education

Center for Analysis of Longitudinal Data in Education Research (CALDER).

The goal of this project is to develop, test, and disseminate new approaches to improve teaching and learning, and ultimately student achievement.

Role: Co-PI

COQ-0L5 Roth (PI)

7/1/08-6/30/10

Florida Department of Health

Florida Birth Defects Registry

The goal of this project was to generate tabular data from six complementary databases on counts and rates of 45 CDC reportable birth defects.

Role: PI

ID 66742 Beileri, (PI)

11/01/09-07/31/10

Robert Wood Johnson Foundation

Building a Geographic Information System (GIS) Infrastructure of Childhood Obesity Prevention (Phase 1)

The goal of this project was to design the initial phase of building a user-friendly, widely accessible geographic information system (GIS) infrastructure as a tool for grantees of the Robert Wood Johnson Foundation, advocates, community leaders, policy-makers, public health practitioners, researchers, and the general public.

Role: Co-PI

SES-0338740 Figlio (PI)

7/1/04-6/30/09

NSF

Understanding the interactions between starting values and early interventions that explain children's academic performance.

The goal of this project was to investigate the determinants and evolution of performance gaps across and within groups of students during elementary and middle school, focusing on the roles of educational, medical and social welfare policy interventions experienced during early childhood.

Role: Co-PI