BIOGRAPHICAL SKETCH

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NAME	POSITION TITLE
Stephen R. Daniels, MD, PhD	Professor of Pediatrics & Preventive Medicine Chairman, Department of Pediatrics and American Heart Association volunteer
eRA COMMONS USER NAME SDaniels	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
University of Rochester, New York	A.B.	1969-73	Psychology, Biology
University of Chicago, Illinois	M.D.	1973-77	
Harvard University, Boston, MA	M.P.H.	1978-79	
University of North Carolina, Chapel Hill	PhD	1980-81, 89	Epidemiology

A. Personal Statement

Dr. Daniels has focused his research efforts in the area of pediatric preventive cardiology. His research has combined cardiovascular clinical research and epidemiologic methods to better understand risk factors for future cardiovascular disease as they develop in children and adolescents. In particular, he has sought to better understand the mechanism by which obesity, diabetes, hypertension and dyslipidemia impact the heart and blood vessels in young individuals.

B. Positions and Honors

1977-1981 Resident in Pediatrics, Children's Hospital Medical Center, Cincinnati, OH
1981-1984 Fellow in Pediatric Cardiology, Children's Hospital Medical Center, Cincinnati, OH
1984-1988 Assist Prof of Pediatrics, Univ. of Cincinnati, College of Medicine, Cincinnati, OH
1984-1989 Assist Prof of Environmental Health, Univ. of Cincinnati, College of Medicine, Cincinnati.OH
1988-1992 Assoc Prof of Pediatrics, Univ. of Cincinnati, College of Medicine, Cincinnati, OH
1989-1996 Assoc Prof of Environmental Health, Univ. of Cincinnati, College of Medicine, Cincinnati, OH
1992-2005 Professor of Pediatrics, Univ. of Cincinnati, College of Medicine, Cincinnati, OH
1996-2005 Associate Chairman, Dept of Pediatrics, Univ of Cincinnati, College of Medicine, Cincinnati, OH
1997-2005 Professor of Environmental Health, University of Cincinnati, College of Medicine, Cincinnati, OH
2006 - Professor and Chairman, Department of Pediatrics, University of Colorado, Denver, CO

1981-82 National Research Service Award 2-T32 #HL07055; 1983-84 Research Fellowship, SW Ohio, Amer Heart Assoc.; 1984-1989 NIH Clinical Investigator Award #K08-HL01380; 1989-1994 Established Investigatorship, Amer Heart Assoc. Member, Working Group on Hypertension Control in Children and Adolescents, NHBPEP, NIH, 1994-95 and 2003-04. Epidemiology & Disease Control Study Section-1, NIH, 1995-99 and 2000-04; 1996 Faculty Achievement Award, University of Cincinnati; 2004 Pfizer Visiting Professor in Cardiovascular Disease Award. Chairman, NHLBI Expert Panel on Cardiovascular Risk Reduction in Children 2006-2008; Chairman, Executive Board, International Pediatric Hypertension Association, 2004-2006; Co-Chair, Pediatric Metabolic Syndrome Working Group. National Institute of Child Health and Human Development, National Institutes of Health, Bethesda, MD, 2008; American Heart Association, Board of Directors 2008-present; Executive Committee, Association of Medical School Pediatric Department Chairs, 2009-present.

C. Selected Peer-Reviewed Publications

1. Kimm SYS, Glynn NW, Kriska AM, Barton BA, Kronsberg SS, Daniels SR, Crawford PB, Sabry ZI, Liu K: Decline in physical activity in black girls and white girls during adolescence. *The New England Journal of Medicine* 2002; 347:709-715. PMID: 12213941.

2. Falkner B, Daniels SR, Flynn JT, Gidding S, Green LA, Ingelfinger JR, Lauer RM, Morgenstern BZ, Portman RJ, Prineas RJ, Rocchini AP, Rosner B, Sinaiko AR, Stettler N, Urbina EM, Roccella EJ, Hoke T, Hunt CE, Pearson G: The Fourth Report on the Diagnosis, Evaluation, and Treatment of High Blood Pressure in Children and Adolescents. National High Blood Pressure Education Program Working Group on High Blood Pressure in Children and Adolescents. *Pediatrics* 2004; 114(2):555-576.PMID: 15286277.
3. Sun SS, Grave GD, Siervogel RM, Pickoff AA, Arslanian SS, Daniels SR. Systolic Blood Pressure in Childhood Predicts Hypertension and Metabolic Syndrome Later in Life. *Pediatrics* 2007;119:237-246. PMID: 17272612.
4. Goodman E, Daniels SR, Meigs JB, Dolan LM. Instability in the diagnosis of metabolic syndrome in adolescents. *Circulation*. 2007;1;115(17):2316-22. PMCID: 2626638.
5. Sun SS, Liang R, Haung TT, Daniels SR, Arslanian A, Liu K, Grave GD, Siervogel RM; Childhood obesity predicts adult metabolic syndrome: the Fels Longitudinal Study. *Journal of Pediatrics.* 2008;152(2):191-200. PMID: 18206688.
6. Ippisch HM, Inge TH, Daniels SR, Wang B, Khoury PR, Witt SA, Glascock BJ, Garcia VF, Kimball TR; Reversibility of Cardiac Abnormalities in Morbidly Obese Adolescents. *Journal of the American College of Cardiology*. 2008:51(14):1342-8. PMID: 18387434.
7. Couch SC, Saelens BE, Levin L, Dart K, Falciglia, G, Daniels, SR. The Efficacy of a Clinic-Based Behavioral Nutrition Intervention Emphasizing a DASH-Type Diet for Adolescents with Elevated Blood Pressure. *Journal of Pediatrics 2008:152:494-501.* PMID: 18346503.
8. Inge TH, Miyano G, Bean J, Helmrath M, Courcoulas A, Harmon CM, Chen MK, Wilson K, Daniels SR, Garcia VF, Brandt ML, Dolan LM. Reversal of type 2 diabetes mellitus and improvements in cardiovascular risk factors after surgical weight loss in adolescents. *Pediatrics.* 2009;123(1):214-22. PMID: 19117885.
9. Daniels SR. Complications of obesity in children and adolescents. *International Journal of Obesity* 2009; 33:560-565. PMID: 19363511.
10. Gunderson EP, Striegel-Moore R, Schreiber G, Hudes M, Biro F, Daniels S, Crawford PB. Longitudinal study of growth and adiposity in parous compared with nulligravid adolescents. *Archives in Pediatric and Adolescent Medicine* 2009;163(4)349-356. PMID: 19349564.
11. Daniels SR, Jacobson MS, McCrindle BW, Eckel RH, McHugh Sanner B. AHA Conference Proceedings, American Heart Association Childhood Obesity Research Summit Report. *Circulation* 2009 April 21;119:e489-517. PMID: 19332458.
12. Urbina, EM, Kimball, TR, McCoy, CE, Khoury, PR, Daniels, SR, Dolan, LM. Youth with obesity and obesity-related type 2 diabetes mellitus demonstrate abnormalities in carotid structure and function. *Circulation* 2009;119:2913-2919. PMID: 19470890.
13. Daniels, SR. The use of BMI in the clinical setting. *Pediatrics* 2009;124:S35-S41. PMID: 1972066.
14. Rosner, B, Cook, N, Portman, R, Daniels, S, Falkner, B. Blood pressure differences by ethnic group among United States children and adolescents. *Hypertension* 2009 September; 54(3)502-8. PMID: 10853640.
15. Inge, TH, Jenkins, TM, Zeller, M, Dolan, L, Daniels, SR, Garcia, VF, Brandt, ML, Bean, J, Gamm, K, Xanthakos, SA. Baseline BMI is a strong predictor of Nadir BMI after adolescent gastric bypass. *Journal of Pediatrics* 2010 Jan;156(1)103-108. PMID: 19775700.

D. Research Support

Current Research

R01 HL088567 (Couch) 2/01/2008 - 1/31/2013
NIH
Modifying Dietary Behavior in Adolescents with Elevated Blood Pressure
This clinical trial is designated to evaluate the safety and efficacy of the DASH diet for lowering blood pressure in adolescents with primary hypertension.

HHSN 275200800018C (Dabelea) 9/26/2008 - 9/25/2013
NIH/DHHS
National Children's Study
A prospective longitudinal cohort study of the individual and combined effects of environmental exposures and gene environmental interactions on child health and development in a representative sample of approximately 100,000 children born in the United States being followed from birth to age 21.

R01 HD060913 (Sun) 1/16/2004 - 3/31/2010
NIH
Prolonged Juvenile State and Juvenile Protective Factors Affect Chronic Diseases
The goal of this study is to link the metabolic syndrome in adults to their childhood risk factors.

R01 DK071485 (Sun) 9/30/2004 - 7/31/2010
NIH
Childhood Precursors for Adulthood Metabolic Syndrome
The goal of this study is to evaluate risk factors in children including, the development of obesity and comorbidities that predict the occurrence of metabolic syndrome in adulthood.

U01 DP000248 (Dolan) 10/1/2000 - 9/28/2010
NIH/CDC
Childhood Diabetes: Prevalence, Incidence and Characteristics (SEARCH for Diabetes in Youth 2: Ohio Center)
This study is focused on determining the prevalence and incidence of diabetes mellitus in a pediatric population. The study also focuses on determining the type of diabetes using appropriate laboratory screening tools.

R01 DK59183 (Dolan) 9/30/2000 - 9/29/2010
NIH
Landmarks in the Progression to Type II Diabetes
To document in a community-based study the progression through the stages of developing diabetes and risk factors associated with the development of insulin resistance, glucose intolerance and diabetes in students in grades 5 through 12.

R01 DK042549 (Hill) 9/4/2009 - 6/30/2011
NIH
Diet and Physical Activity Interactions in Obesity
To modify and expand the family weight gain prevention, America On the Move (AOM) program, previously shown to be effective in helping families make small changes in their dietary and physical activity behaviors and successful in significantly reducing weight gain in overweight and obese children.

Completed Research

R01 HD041527 (Goodman) 2/01/2002 - 1/31/2007
NIH/NICHD
Understanding Social Status' Impact on Adolescent Health
To test a novel model of how social status creates health differentials. The model uses both objective and subjective measures of social status and how these measures impact on adolescent obesity and precursors of adult cardiovascular disease.

R01 HL66430 (Daniels) 3/5/2001 - 2/28/2007
NIH
Visceral Adiposity and CVD Risk in Women
To evaluate whether differences in deposition of intra-abdominal fat are related to racial differences in the relationship between adiposity and cardiovascular risk factors.

R01 HL072838 (Sun) 4/1/2002 - 3/31/2007
Longitudinal Cardiac Outcomes and Body Composition
To link adult cardiac structure and hemodynamic function with long-term serial childhood data for body size, body composition and blood pressure.

R01 HL076269 (Daniels) 6/01/2005 - 5/31/2009
NIH
CV Disease in Adolescents with Type 2 Diabetes
The goal of this study is to recruit and evaluate the heart and vascular system in a group of adolescents age 12-21 with type 2 diabetes mellitus and a comparison group of adolescents of similar age, sex and ethnic group who are obese but do not have type 2 diabetes.