

KU Pediatrics Research and Scholarship Update

The University of Kansas Medical Center
Department of Pediatrics

As of December 31, 2008



Current Pediatric Grants/Contracts Fiscal Year 2009

Barnard, M. (PI) s “Writing Interventions for Teens whose Parent Have Cancer” Turning Points – Total costs: \$5,000	07/01/04-6/30/09
Davis, A.M. (PI) “Enhancing Nutrition and Activity of Rural Children” NIH/NIDDK - Total costs: \$612,062	4/15/05-04/14/10
Davis, A.M. (Co-Investigator) “Effectiveness of a Treatment of Pediatric Obesity” DHHS - Total costs: \$737,466	12/31/06-12/31/09
Davis, A.M. (Co-Investigator) “Responding to the crisis: Training school nurses to provide nutrition and exercise information to children and families” Health Care Foundation of Greater Kansas City Total costs: \$114,648	1/17/07-7/16/09
Davis, A.M. (PI) “Healthy Hawks Pediatric Obesity Clinic” Health Care Foundation of Greater Kansas City Total Costs \$220,000	12/16/07-12/17/09
Davis, A.M. (Co-Investigator) “Effectiveness of a Treatment for Pediatric Obesity” HRSA : costs shares 10% of time	12/31/06-12/31/09
Davis, A.M. (Co-Investigator) “Obesity Treatment for Teen Mom’s and their Children” Women’s Foundation of Greater Kansas City Total Costs \$13,783	11/17/07-12/31/08
Davis, K. (PI) “Connected Kansas Kids: Connecting Schools and Students with Special Health Needs” Kan-Ed - Total costs: \$100,000. ** see website at www.connectedkansaskids.com	

As of December 31, 2008

Harty, J. (PI) – KU Endowment Association

Reading is Fundamental - \$59,400 9/1/07 to 8/31/08
Target Stores - \$8,000 10/7/08
UPS - \$25,000 10/16/08
Overland Park Rotary - \$5,000 7/14/08
KUEA Hall Family Foundation - \$4,618 (research grant) 8/1/08

Johnson, C. (PI)

7/1/08-6/30/09
“Pediatric Consultation, PKU, Seizure, Rheumatology/Cardiology Outreach”
KDHE - Total costs: \$163,759

Lindsley, C. (PI)

7/29/03-12/31/09
“Juvenile Arthritis North Short Long Island Jewish Health”
Total costs: \$390

Nelson, E. (PI)

2006-2009
Eve-Lynn Nelson, PI. TeleHelp: A Comprehensive School-based Telemedicine Program
for Urban Youth At-Risk for Depression.
Health Care Foundation of Greater Kansas City
Total Costs: \$99,485.

Nelson, E. (PI)

7/1/06-1/31/09
Implementing the American Academy of Pediatrics Attention-Deficity/Hyperactivity Disorder Diagnostic
Guidelines in a School-based Telemedicine Clinic.
Children’s Miracle Network-\$9,980

Eve-Lynn Nelson (Co-Investigator)

2006-2009
Kansas TeleHealth Network. HRSA Office for the Advancement of TeleHealth
Total Costs: \$900,000

Eve-Lynn Nelson (PI)

2008-2010
TeleHelper
Health Care Foundation of Greater Kansas City
Total Costs: \$150,000

Okonkwo, K. (PI)

7/1/07-6/30/09
“Cerebral Microvascular Acclimitazation to Chronic Systemic Hypoxia: The Role of Nitric Oxide Synthase
(iNOS) Upregulation”
Children’s Miracle Network - \$5,350

Parimi, Prabhu (PI)

4/4/08-4/30/09
“Clinical Pilot and Lied Science”
KUMC - \$35,000

Rapoff, M. (PI), Bickel, J (Co-Investigator)

8/1/04-4/30/09
"Headstrong Intervention for Recurrent Pediatric Headache"
R01, National Institute of Neurological Disorders and Stroke-Total costs: \$150,000 (1 year)

As of December 31, 2008

Rapoff, M (PI) & Wasson, MC (Co-PI)

7/1/06-12/31/08

“A minimal contact cognitive-behavioral intervention for pediatric functional gastrointestinal disorders: A pilot study of Gutstrong.”

Children’s Miracle Network - \$9,963

Rapoff, M (PI), Lindsley, C (Co-PI), Belmont, J (Co-PI)

4/1/08-3/31/2010

“Jointstrong Intervention for Juvenile Arthritis”

R21, NIH, National Institute of Arthritis and Musculoskeletal and Skin Disease - \$100,000

Sawyer, Tama (PI)

9/1/2008-8/31/09

“Poison Control Stabilization and Enhance”

Poison Control Center – Total costs: \$207,744

Sawyer, Tama. (PI)

8/31/06-8/31/08

“Mid America Poison Control Center – Support of Center”

KDHE - Total costs: \$134,000

Scheinman, Jon (PI)

9/1/06-8/31/08

“Effect of Pyridoxamine in Oxalate excretion in Stone Diseases and Hyperoxaluria”

NIH - Medical City Dallas Hospital. Total costs: \$286,130

Scotten, M. (Co-Investigator)

7/1/08-6/30/09

“Cystic Fibrosis”

Cystic Fibrosis Foundation – Total costs: \$32,629

Mitzi Scotten, M.D. (PI), Stephen Lassen, Ph.D. (Co-Investigator)

3/1/08-2/29/09

“Project title: Quality Improvement – Learning and Leadership Collaborative VI.”

Cystic Fibrosis

Total Costs: \$10,000

Shaw, P (PI)

7/1/08-6/30/09

“Development Screening”

Kansas Health Foundation (administered by KAAP) \$24,000

Staker, M. (PI)

7/08 – 6/09

“Project EAGLE Early Head Start”

Including “Early Head Start Oral Health Initiative”

DHHS/ACF/Head Start Bureau - \$1,748,620

Kansas Department of SRS - \$830,825

Staker, M. (PI)

7/08 – 6/09

“Project HOPE”

KDHE - \$98,034

Staker, M. (PI)

6/08 – 5/09

“Healthy Start”

Maternal Child Health Coalition - \$175,000

Staker, M. (PI)

3/04 – 2/09

As of December 31, 2008

“Centralized Intake and Referral System
DHHS/HRSA/MCHB/Healthy Tomorrows - \$250,000

Staker, M. (Co-PI) & Abbott, M. (Co-PI) 9/07 – 8/10
“Early Reading First”
Department of Education – \$3.4 Million

Staker, M. (PI) 7/08 - 6/09
“Healthy Families”
Unified Government of Wyandotte County/Kansas City, KS - \$200,735

Staker, M. (PI) 9/08 - 6/09
“Crossroads to Early Language and Literacy”
Sub-contract from USD 500 - \$1,256

Staker, M. (PI) 2007-2011
“SPARC Family Literacy Leadership Team Training”
Sponsored by the National Head Start Family Literacy Center – travel reimbursement

Staker, M. (Co-PI) and Davis, A. (Co-PI) 2008
“Nutrition and Physical Activity Initiative for Teen Mothers and Their Children”
Women’s Foundation of Greater Kansas City - \$13,783

Tancabelic, J (PI) 7/1/07-12/31/08
“Evaluating the Presence of Vitamin D receptor, Caspase 3 and Ki67 (MIB-1) in Human Osteocarcoma”
Children’s Miracle Network - \$5000.

Center for Child Health and Development:

Reese, Matthew (PI) “Leadership Education in Neurodevelopmental and Related Disabilities”
T73MC06623-03-00
Health Resources and Services Administration (HRSA) 7/01/05 – 6/30/11
Total direct cost: \$ 512,223.00

Reese, Matthew (PI) “Leadership Education in Neurodevelopmental and Related Disabilities—Autism Focus
Expansion Award”
T73MC06623-03-00
Health Resources and Services Administration (HRSA) 7/01/05 – 6/30/11
Total direct cost: \$ 180,698.00

Heitzman-Powell, Linda (PI) “The Autism Training Program”
Kansas Department of Social and Rehabilitative Services 4/01/08 – 4/30/11
Total direct cost: \$347,163

Reese, Matthew (Co-Investigator) “Administration on Developmental Disabilities”
NIH47420/47421
Department of Health and Human Services 7/01/07 – 6/30/12
Total direct cost: \$120,000

As of December 31, 2008

Reese, Matthew (PI) “Reliability and Validity of Autism Assessments and Diagnosis Using Telemedicine”
W81XWH-08-0233
Department of Defense – US Army Medical Research 7/01/08 – 6/30/09
Total direct cost: \$75,000

Heitzman-Powell, Linda (PI) “Combining Technologies to Maximize Outcomes: Online and Telemedicine Training Program for Parents of Children with Autism”
H133G060238-07
US Department of Education 10/01/08 – 9/30/09
Total direct cost: \$36,092

Reese, R. Matthew (PI) “Kansas Institute for Positive Behavioral Support”
KAN28536-M3
University of Kansas Center for Research 11/01/08 – 10/31/09
Total direct cost: \$10,408

Ellerbeck, Kathryn (Co-PI) “Hormone and DNA Methylation in Autism”
Kansas Center for Autism Research and Training 10/01/08 – 9/30/09
Total direct cost: \$39,982

Ellerbeck, Kathryn (PI) “Potential Role of Oxytocin Signaling in Autism”
Kansas Technology Enterprise Corporation 10/01/08 – 9/30/09
Total direct cost: \$9,742

Current Pediatric Clinical Trials

Casey, J. (PI)
“The Genetics and Neuroendocrinology of Short Stature International Study”
Eli Lilly and Company

Casey, J. (PI)
“Growth Hormone Study”
Genentech Inc.

Casey, J. (PI)
“Kabi International Growth Study”
Pharmacia Upjohn

Casey, J. (PI)
“Natural History Study Development of Type 1 Diabetes”
NIH-TrialNet

Casey, J. (PI)
“Patient registry for monitoring long term safety and efficacy of Increlex”
Tercica Inc.

Dasouki, M. (PI)
“An Exploratory Open Label Study of the Safety and Efficacy of High Dose or High dosing Frequency

Myozyme (aiglucosidase alfa) Treatment in Patients with Pompe Disease who do not have an Optimal Response to the Standard Dose Regimen.”

Genzyme

Harris, J (PI)

“A Phase III, Randomized, Multinational Study, Double-Blinded for the Immunogenicity and Consistency Evaluation of 3 Hib-MenCy_TT Vaccine Lots in Healthy Infants 2, 4, 6, and 12 to 15 Months of Age”

GlaxoSmithKline

Harris, J (PI)

“Immunogenicity and safety study of a booster dose of GSK Biological. Meningococcal vaccine given at 12-15 months of age (co-administered with Pedvax HIB) or at 15-18 months of age (co-administered with Infanrix) in primed healthy toddlers.”

GlaxoSmithKline

Harris, J (PI)

“Open Randomized, Multicenter Study of the Safety, Tolerability and Immunogenicity of VAQTA given concomitantly with PedvaxHIB and Infanrix in Healthy Children 15 months of age”

Merck

Harris, J (PI)

Phase I-lia randomized double blind placebo controlled dose study-evaluate safety tolerability, Immunogenicity and vaccine like viral shedding of MEDI-534, lif

Medimmune

Harris, J. and Hetu, C. (Co-PI)

“Effect of Rooibos Tea on Infant Colic”

Children’s Miracle Network

Lauer, Steve (PI)

“Safety, Efficacy, and Pharmacokinetics of Lubiprostone in Pediatric Patients with Constipation”

Sucampo

Scotten, Mitzi (PI)

“A Phase 3, International, multi-center, randomized, double-blind, placebo-controlled, parallel-group, efficacy and safety study of Denufosal Tetrasodium Inhalation Solution in Patients with Cystic Fibrosis Lung Disease and FEV-1”

Inspire Pharmaceuticals Inc.

Sawyer, Tama (PI)

“Surveillance of the RADARS 7 by Poison Control Centers”

Denver Health and Hospital Authority

Olson, N (PI)

“Allergy Immunology Rheumatology”

Pharmacia Corp

Scheinman, Jon (PI)

“Focal Glomenulosclerosis Trial”

St. Joseph Hospital Medical Center

Tancabelic, J (PI)

“Children’s Oncology Group”

National Childhood Cancer Foundation

Publications, Presentation, and other Research Achievements

John Belmont, Ph.D.:

Fraitekh AH, Wolfson JS, Wolfson SM, Belmont JM, Hyman PE. Gabapentin for gastrointestinal distress in infants and toddlers [poster]. Digestive Diseases Week, San Diego, Calif., May 20, 2008.

Raghuveer TS, Belmont JM. Human milk intake and retinopathy of prematurity in extremely low birth weight infants [letter]. *Pediatrics* 2008;122:686-687.

Mattioli LF, Belmont JM, Davis AM. Effectiveness of teaching cardiac auscultation to residents during an elective pediatric cardiology rotation. *Pediatr Cardiol* 2008;29:1095-1100.

Ann Davis, Ph.D., MPH:

Davis, A.M., James, R.L, Curtis, M., Daley, C.M., Felts, S. (2008). Pediatric obesity attitudes, services, and information among rural parents: A qualitative study. *Obesity*, 16(9):2133-2140.

Mattioli, L.F., Belmont, J.M., **Davis, A.M.** (Epub ahead of print). Effectiveness of teaching auscultatory skills to residents during an elective pediatric cardiology rotation. *Pediatric Cardiology*.

Befort, C., Lynch, R., James, R.L., Carroll, S.L., Nollen, N., and **Davis, A.** (2008). Perceived barriers and benefits to research participation among school administrators. *Journal of School Health*, 78(11), 581-586.

Nollen, NL, Befort, C, **McGrath Davis, A**, Snow, P, Mahnken, J, Hou, Q, Story, M, Ahluwalia, J (in press). Competitive foods in schools: Availability and purchasing in predominately rural small and large high schools. *Journal of the American Dietetic Association*.

Befort, C., Orr, S., **Davis, A.**, Ely, A., and Steiger, K. (in press). Perspectives on research among Kansas county health department administrators. *Journal of Public Health Management and Practice*.

Davis AM, Bruce AS, Mangiaracina C, Schulz T, Hyman P. (in press). Moving from Tube to Oral Feeding in Medically Fragile Nonverbal Toddlers. *Journal of Pediatric Gastroenterology & Nutrition*.

Davis, AM, Befort, C, Simpson, S, Gonzalez, Steiger, K. (October, 2008). Pediatric obesity related habits and services among an urban high risk parent population: A Qualitative Study. Poster presented at the Annual Meeting of the Obesity Society, Phoenix, AZ.

Landrum, Y, **Davis, AM**, Simpson, S. (October 2008). Current challenges and solutions for a family-based weight management clinic in an applied setting. Poster presented at the Annual Meeting of the Obesity Society, Phoenix, AZ.

As of December 31, 2008

Steiger, K., Davis, AM. (2008, October). *Nutrition and physical activity practices and knowledge among low-income adolescent mothers*. Poster session presented at The Kansas Conference in Clinical Child and Adolescent Psychology, University of Kansas, Lawrence, KS.

Stephen Lassen, Ph.D.:

Lassen, S., Scotten, M., Miller, V., & Liebergen, A. (2008, October). Adolescent readiness to transition to adult CF care: Adolescent and parent perceptions and the role of disease severity. Poster presented at the annual North American Cystic Fibrosis Conference, Orlando, FL.

Eve –Lynn Nelson, Ph.D.:

Nelson, E. *Privacy and Confidentiality in Telehealth*. Center for Telemedicine Law (CTeL) webinar, October, 2008.

Nelson, E. *Bridging the Gap in Rural Communities: Accessing Behavioral Health Services through Telehealth*. Substance Abuse and Mental Health Services Administration (SAMSHA) presentation, July 2008.

Nelson, E., Barnard, M., & Drude, K. *Telemedicine and Ethics* Symposium, American Psychological Association, August 2008.

Nelson, E. *Child telemental health*. American Telemedicine Association Pediatric Conference, September 2008.

Michael Rapoff, Ph.D.:

Publications:

Rapoff, M.A. & Stark, L. (2008). Journal of Pediatric Psychology Statement of Purpose: Section on single-subject studies. *Journal of Pediatric Psychology*, 33, 16-21.

Quittner, A.L., Modi, A.C., Lemanek, K.L., Ievers-Landis, C., & Rapoff, M.A. (2008). Evidence-based assessment of adherence to medical treatments in pediatric psychology. *Journal of Pediatric Psychology*, 33, 916-936.

Kamps, J.L., Rapoff, M.A., Roberts, M.C., Varela, R.E., Barnard, M., & Olson, N. (2008). Improving adherence to inhaled corticosteroids in children with asthma: A pilot of a randomized clinical trial. *Children's Health Care* 37, 261-277.

Rapoff, M.A. (2009). Adherence issues among adolescents with chronic diseases. In S.A. Schmaker, J.K. Ockene, & K.A. Riekert (Eds.), *The handbook of health behavior change*, 3rd ed (pp. 545-588). New York: Springer.

Presentations:

Rapoff, M.A. Improving adherence in pediatric regimens for juvenile rheumatoid arthritis. Center for the Promotion of Treatment Adherence and Self-Management, Cincinnati Children's Hospital Medical Center, Cincinnati, OH, September 15, 2008.

Rapoff, M.A. Served as moderator and speaker; talk was "Top 10 ways of improving research on adherence", Non-adherence in adolescents with chronic illness; sponsored by National Institute of Diabetes and Digestive and Kidney Diseases, Bethesda, MD, September 22-23, 2008

Completed sabbatical leave July-December 2008 and developed joint research projects (Headstrong and Jointstrong) with Cincinnati Children's Hospital Medical Center, Pediatric Headache Center and Pediatric Rheumatology group. Plans are to submit joint research application to NIH with these groups and the Center for Treatment Adherence and Self-Management.

Primary reviewer for NIH (NIDDK) K23 application, March 8, 2007.

Member, Multidisciplinary Clinical Research Centers (P6) Council ZAR1 CHW-G J2 1, NIAMS (NIH) 10/18/07 & 10/19/07, Gaithersburg, MD; Primary reviewer on three applications.

Martha Staker:

Baggett, K. M., Warlen, L., & Staker, M. D. (2008, June). *Connections: A Comprehensive Community Screening and Referral System for Children Birth to Four and Their Families*. Head Start National Research Conference. Washington, DC.

Staker, M., Carta, J., Herring, A., Abbott, M. (2008, June). *A Professional Development Model for Early Reading First Classrooms*. Head Start National Research Conference, Washington DC

Jon Scheinman, M.D.:

“Basic and Translational Research, the NIH-funded Investigator-Initiated IND, and Dysfunctional academics at KUMC: from Sullivan conference to Purgatory-a cautionary tale.”, presented at Sullivan Conference on October 31, 2008.

Jakica Tancabelic, M.D.:

Tancabelic, T., The Dose Response of Vitamin D on Proliferation and Differentiation in Human Osteosarcoma –an In vitro Study. Abstract Presentation at AICR