2017 was a very productive year for the Center for Children’s Healthy Lifestyles & Nutrition (CHLN). We continued to grow both in terms of our number of members (we’re up to 45 now) and in terms of the programmatic areas of expertise we represent. This year we’ve added members from team, Biostatistics Occupational Therapy, Cardiology, Health Promotion and Endocrinology, in addition to our strong existing base in Medicine, Psychology, Public Health, Exercise Physiology, Nutrition and Pediatrics.

**CHLN Awarded Grants**

In 2017 we distributed several grants, including the continuation of our annual CHLN Pilot grant program. Our grant program is led by the Center Director, in partnership with the Scientific Directors (Drs. Susana Patton and John Thyfault) and the new Associate Director (Dr. Delwyn Catley). All of our grant programs are strategically focused on providing support to our more junior colleagues, in order to eventually grow the number of NIH R01 funded PIs at CHLN. This will enable us to reach our Center goals of applying for larger group grants, such as the NIH T32 training grant, or the NIH Nutrition Obesity Research Center (NORC) grant. Through our internal competitive NIH style grant program, we are able to award internal pilot funds to center members who are planning to collect data toward an NIH grant submission. Congratulations to these award recipients who received $33,000 each for the 2017 fiscal year:

- **“Brain Activity, Physical Activity, Adiposity, and Reward”**
  Dr. Robin Shook (w/Dr. Amanda Bruce), CMH/KUMC

- **“Changing Adolescents’ Brain Responses to E-Cigarette Marketing with Media Literacy Intervention”**
  Dr. Laura Martin (w/Drs. Yvonne Chen and Delwyn Catley), KUMC/CMH

Pilot grants for 2018 are due March 23rd, and we received 6 letters of intent and expect a similar number of completed applications. We also now offer graduate student travel grants, which allow our CHLN graduate students to travel to national conferences to present data they have collected in partnership with their CHLN faculty mentors. As a new program in 2017, CHLN started to offer shared equipment grants. The call for proposals was released in March, and we received 3 proposals. After scientific review, the proposal submitted by Dr. Jordan Carlson (w/Drs. Robin Shook, Ann Davis and Ms. Kate Hoppe) was funded for a total of $7500 to allow Dr. Carlson to purchase equipment related to the measurement of physical activity for his use and for the use of other center members. The Center also funds a competitive Graduate Research Assistant stipend/tuition program. Interested Center faculty submit an application to have a GRA of their choosing work with them for one year, with all stipends and tuition paid by CHLN. In 2017 we received 5 complete CHLN funded GRA applications, and were able to fund 3. Recipients included:

- **“The effects of a children’s exercise program on body composition and neuromuscular performance”**
  Dr. Trent Herda (w/Drs. Deb Sullivan and Jordan Carlson)

- **“Graduate Assistantship in Energy Balance Research”**
  Dr. Robin Shook (w/Drs. Thyfault, Morris, Bruce and Fazzino)

- **“Eating and Activity Behaviors in Young Children with Autism Spectrum Disorders”**
  Dr. Meredith Dreyer Gillette (w/Dr. Susana Patton)

**New Federal Grants Obtained in 2017**
In 2017, our team obtained millions of dollars in federal grant funding. One of the most exciting grant opportunities pursued by our team was a Strategically Focused Children’s Research Network (SFCRN) from the American Heart Association. Although we did not receive the grant, it was a great effort by many members of our team, and the process epitomized the growth of the center. The grant proposal required three large distinct proposals focused on Community (led by Dr. Jordan Carlson), Clinical (led by Dr. Robin Shook) and Basic Science (led by Dr. John Thyfault). The proposal also required the development of a research training program for medical, behavioral, and basic researchers to work together and learn more about healthy lifestyles research, and allowed us to work with partners all across the world in these areas. The fact that our team was able to turn in a very strong application demonstrates our growth as a unit.

Other new federal grants that were received in 2017 and represent our work this year include:

R01 NR016255 Davis (PI) 01/11/17-11/30/21
Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention
The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.
CHLN Co-Investigators: Eve-Lynn Nelson, Meredith Dreyer Gillette, Deb Sullivan

R03 HD088776 Carlson (PI) 4/01/2017 – 3/31/2019
Implementation Strategies and Effectiveness for Walking School Bus Programs
Details: The goal of this study is to use an Implementation Science framework to assess implementation contextual factors and implementation outcomes in existing Walking School Bus programs.
CHLN Co-Investigator: Ann Davis

R21 HD088913 Davis, Nelson, Wambach (MPI) 9/6/17-8/31/19
MomHealth: Mobile Multiple Health Behavior change in Teen Pregnancy & Parenting
This study will pilot test an innovative education and support program to promote the health of pregnant and parenting adolescent mothers in three behavioral health areas simultaneously: breastfeeding, healthy eating and active living, and depression prevention.

NIH U24OD024957 Davis (PI) 07/01/17 – 09/25/20
ISPCTN Protocol Writing Group for the iAmHealthy trial in the ISPCTN
The purpose of this contract is to provide support for writing the iAmHealthy protocol which will be disseminated through the ISPCTN network.

K01 DK112967 Morris (PI) 9/8/17-9/7/22
Hepatic mitochondrial function control of high-fat diet-induced weight gain
Goal: To examine the role of reduced liver mitochondrial function in mediating neural control of food intake, systemic macronutrient metabolism, and weight gain.
CHLN Mentor: John Thyfault
Helmsley Charitable Trust Clements (PI) 2017 – 2020
Improving type 1 diabetes care via predictive analytics and a learning health system
CHLN Co-investigator: Susana Patton

R01 DK114121 Donnelly/Ptomey (MPI) 9/5/2017 – 8/31/2022
Remote Technology for Weight Management in Adults with IDD
The purpose of this project is to conduct a 24 mo. randomized trial to compare 2 weight management interventions (6 mos. weight loss, 12 mos. maintenance, 6 mos. no-contact follow-up) delivered to adults with IDD in their home, either remotely (RD) using video conferencing (Zoom software) on a tablet computer (iPad mini), or during face to face visits.
R01 AR071263 Thyfault, Neufer (MPI) 1/20/2017 – 7/22/2022
Statins, Mitochondrial Function, and Aerobic Capacity
The goal of this grant is to examine if statins negatively impact skeletal muscle mitochondrial function and aerobic capacity and if statins negatively impact exercise adaptations.

R21 AG056062 Thyfault (PI) 5/1/17 – 4/30/19
Skeletal muscle mitochondrial Abnormalities in Alzheimer’s Disease
The goal of this project is to determine if Alzheimer’s disease and APOE genotype is associated with skeletal muscle mitochondrial dysfunction.

R01 CA212189 Cupertino (PI) 1/10/17-12/31/21
Title: e-Decidete Mobile Cessation Support for Latino Smokers
The major goals of this study are to evaluate the impact of the culturally accommodated eDecidete program versus standard care on smoking abstinence at Month 6 among Latino smokers; to assess therapeutic alliance, pharmacotherapy utilization, and self-efficacy as mediators of the presumed treatment effect on cotinine-verified 7-day smoking abstinence at Month 6 among Latino smokers; and to conduct a process evaluation that can inform findings and future improvements.
CHLN Co-Investigator: Delwyn Catley

R01 AR070474 Kashikar-Zuck (PI) 6/21/17-5/31/22
Multi-site Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia
The purpose of this study is to conduct a rigorous 3-arm multi-site randomized clinical trial to test whether the fit Teens intervention is more effective in reducing disability than CBT alone or graded Aerobic Exercise alone at the 3-month primary endpoint and whether treatment effects are sustained over 1 year.
CHLN Site PI: Mark Connelly

International Life Sciences Institute Shook (PI) 5/2017-5/2018
Use of technology to assess activity and dietary intake in underserved populations
The purpose of this study is to validate and calibrate consumer devices to estimate energy balance using gold-standard methods and a Bayesian semi-parametric approach.
CHLN Co-Investigator: Ann Davis

Highlighted 2017 Publications

Our team also had several high impact publications that have contributed significantly to the literature in pediatric healthy lifestyles. The 10 publications selected to best represent our work include:


mention for the 2017 Diane J. Willis award for Outstanding Article in the *Journal of Pediatric Psychology*).


* = trainee

**Listing of all Faculty/Staff at the Center for Children’s Healthy Lifestyles & Nutrition**

**Center Members (Full)**

Dr. Charles Barnes is a basic science researcher and the director of the Allergy, Asthma, Immunology Research Laboratory at Children's Mercy Kansas City. His research interests revolve around factors that contribute to allergy and asthma in the pediatric population. He has a 25-year history of identifying protein allergens and studying their prevalence in the environment. Currently he is interested in how these proteins lead to the chronic inflammatory state that associates with asthma and the impact of obesity, and the cytokines produced by adipose tissue, on pediatric asthma.

Dr. Amy Beck is a clinical psychologist at Children's Mercy Kansas City and an associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Dr. Beck primarily provides psychological services for families involved in multidisciplinary weight management treatment. She is particularly interested in the impact of psychosocial factors in the etiology and maintenance of pediatric obesity.

Dr. Gina Besenyi is assistant professor in the Department of Kinesiology, College of Human Ecology at Kansas State University and Director of the Physical Activity Research in Community Settings (PARCS).
Dr. Timothy Blaufuss is a Pediatric Gastroenterology Fellow at Children’s Mercy Kansas City, clinically interested in obesity. Under the direction of Dr. John Thyfault at KU Medical Center, we are currently investigating the role in physical activity and its protective effects in relation to fatty liver disease.

Andrea Bradley-Ewing is the Director of Community Engaged Research in the division of Health Services and Outcomes Research at Children's Mercy Kansas City. Ms. Bradley-Ewing is primarily interested in engaging patients and members of the community in the design, development, implementation, and dissemination of health science research. Ms. Bradley-Ewing has collaborated extensively with researchers, health care providers, patients and families, and community organizations to develop and test effective individual and community level strategies to promote health behavior change, particularly in underserved communities. Ms. Bradley-Ewing's current research involves establishing partnership networks between academic health researchers, patients, and community members to improve health outcomes.

Dr. Amanda Bruce is an associate professor at the University of Kansas Medical Center and a pediatric obesity researcher. She uses functional neuroimaging (fMRI) to conduct research on how the brain is involved in childhood obesity. She is also interested in the ability to delay gratification and how this contributes to obesity.

Dr. Dave Burnett is an assistant professor at the University of Kansas Medical Center. He is the Chair of the department for Respiratory Care Education and co-director of the KU Asthma Center. Dr. Burnett's primary research interests involve investigating treatment strategies for exercise induced bronchoconstriction (EIB) and asthma. Current research activity is steeped in collaboration among asthma stakeholders in order to achieve a better understanding on approaches for improving the burden of EIB and asthma.

Dr. Jordan Carlson is Director of Community-Engaged Health Research at Children's Mercy Kansas City and assistant professor of pediatrics at the University of Missouri-Kansas City School of Medicine. His research interests include active living, school-based physical activity, neighborhood walkability, improving uptake and implementation of physical activity interventions, and physical activity measurement technology.

Dr. Delwyn Catley is a clinical health psychologist and professor of pediatrics at Children’s Mercy Kansas City and at the Center for Children’s Healthy Lifestyles & Nutrition. His research focuses on health behavior change and motivation in the areas of smoking, medication adherence, diet and exercise, patient-provider communication, health disparities and Motivational Interviewing.

Dr. Julie Christianson is an assistant professor in Anatomy and Cell Biology at the University of Kansas Medical Center. Her research program is designed to understand the mechanisms underlying centralized pain syndromes related to early life stress, and clinically-applicable therapies designed to reverse or prevent these permanent changes in pain processing.

Dr. Mark Clements is the Medical Director of the Pediatric Clinical Research Unit and Director, Pediatric Endocrine/Diabetes Clinical Research at Children’s Mercy Kansas City. His research interests include these factors related to type 1 diabetes mellitus: predicting risk for chronic complications, novel behavioral and technology-based interventions, impact of glycemic variability on chronic complications and autoimmune mechanisms.

Dr. Vicki Collie-Akers is the Associate Director of Health Promotion Research at the Center for Community Health and Development at KU-Lawrence. Her research is primarily focused on applying a community-based participatory research orientation to working with communities to understand how collaborative partnerships and coalitions can improve social determinants of health and equity and reduce disparities in health outcomes.
Dr. Mark Connelly is an associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine and a clinical psychologist at Children’s Mercy Kansas City, where he is the Director of Pain Research for Comprehensive Pain Management and Co-Director of the Comprehensive Headache Clinic. Dr. Connelly’s research interests center on the assessment and management of pain in children, with a specific focus on the integration of eHealth and mHealth technologies into chronic pain assessment and treatment.

Dr. Christopher Cushing is a faculty member in the clinical child psychology program at the University of Kansas. He is interested in sleep, diet, and physical activity. Specifically, he uses smartphones and body sensors as well as laboratory tasks to study the impact of these behaviors on children's mood, cognition, and social functioning.

Dr. Ann Davis is a professor and pediatric psychologist who is passionate about the intersection between behavioral principles and eating/nutrition. The core of her work focuses on pediatric obesity in urban and rural children, and is treatment outcome focused. She is also interested in behavioral principles as they apply to young children who do not eat enough to sustain a healthy weight.

Dr. Heather Doss is a combined Internal Medicine/Pediatrics Physician who practices at Children’s Mercy Kansas City and Truman Medical Center. An assistant professor at the University Of Missouri-Kansas City School of Medicine, she works in the areas of childhood obesity treatment and prevention and practices primary care of adults and children. Her interests are in preventative medicine, chronic disease management, medical education, and caring for the underserved population.

Dr. Meredith Dreyer Gillette is a pediatric psychologist at Children’s Mercy Kansas City and associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. She works primarily in the treatment and prevention of childhood obesity, with a special emphasis on the challenges that are encountered among parents of young children with special needs such as Autism Spectrum Disorders or Down Syndrome.

Dr. Sarah Edwards is a pediatric gastroenterologist at Children’s Mercy Kansas City and assistant professor of pediatrics at The University of Missouri – Kansas City. Dr. Edwards specializes in treating children with feeding disorders and is the medical director of the Interdisciplinary Pediatric Feeding and Swallowing Program at Children’s Mercy.

Dr. Kevin Finn is Department Chair and Professor in the Department of Nutrition and Kinesiology at the University of Central Missouri. He is a Fellow of the American College of Sports Medicine, and a member of the North American Society for Pediatric Exercise Medicine. His research interest have been in assessment of physical activity in preschool-aged children and physical activity promotion using center based intervention. More recent his work has been in fitness assessment of school-aged children.

Dr. Daniel Forsha focuses on clinical non-invasive imaging (Echocardiogram and cardiac MRI/CT) and imaging research as a faculty member of the Heart Center at Children’s Mercy Kansas City. One area of research is the evaluation of dyssynchronous and discoordinated ventricular contraction patterns using strain echocardiography to determine whether certain children may benefit from cardiac resynchronization therapy. Another research interest is using strain echo and other tools to assess the reversibility of early obesity-related cardiovascular disease in populations of teenagers with intellectual delays. He is excited to work as part of the CCHLN to improve our understanding of the cardiovascular health consequences of obesity and how improving lifestyle may reverse this disease process.

Dr. Elin Grundberg is a research faculty member at the Center for Pediatric Genomic Medicine at Children’s Mercy Kansas City and an Associate Professor of Pediatrics at the University of Missouri-Kansas City School of Medicine. She holds the Roberta D. Harding & William F. Bradley, Jr. Endowed Chair in Genomic Research. Dr. Grundberg’s main area of investigation concerns obesity and
metabolic complications and her team is applying next-generation sequencing approaches to understand genetic and environmental (epigenetic) factors underlying disease susceptibility.

Dr. Sarah Hampl is a member of the Section of General Pediatrics at Children’s Mercy Kansas City. She is a professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Dr. Hampl works in the areas of childhood obesity treatment, prevention, healthcare professional education and community and statewide advocacy.

Dr. Trent Herda is an assistant professor in the Dept. of Health, Sport and Exercise Sciences and the Director of the Neuromechanics Laboratory and Hawk Fitness Academy at KU-Lawrence. His primary research interests include examining the effects of acute and chronic exercise and obesity on muscle composition and motor unit behavior.

Dr. Christina Hester is the Research Director of the National Research Network at the American Academy of Family Physicians. Her research interests include infectious disease, beneficial intestinal flora and behavioral factors that influence health.

Dr. Cara Hoffart is a pediatric rheumatologist at Children’s Mercy Kansas City and associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Dr. Hoffart specializes in pediatric pain amplification syndromes.

Dr. Holly Hull, associate professor in the Dept. of Dietetics and Nutrition at KU Medical Center, is an expert in body composition assessment and analysis. Her research agenda explores how the maternal environment impacts fetal development and programs offspring disease risk. Further, she studies intervention methods to prevent excessive gestational weight gain and how pregnancy influences maternal disease risk.

Dr. Kelly Kreisler is a general pediatrician with extensive experience in the safety net system of medical care. She is an assistant professor at the University of Kansas Medical Center, where her clinical and research focus is medically underserved children and families, particularly immigrants and refugees.

Dr. Katelyn McAnany is a member of the Section of General Pediatrics at Children’s Mercy Kansas City. She works in the areas of childhood obesity treatment and prevention. She also practices primary care pediatrics with a focus on the immigrant and Latino populations.

Dr. Russell McCulloh is a physician trained in pediatric and adult infectious diseases at Children’s Mercy Kansas City, the University of Kansas Medical Center and the University of Missouri – Kansas City. His research focuses on sepsis and severe infections in children and in developing and incorporating evidence-based practices into decision-support tools to improve clinical decision-making, enhance healthcare resource use, and to optimize health outcomes. Dr. McCulloh is also the director of the NIH-funded Sunflower Pediatric Clinical Trials Research Extension (SPeCRE), whose mission is to extend clinical trials opportunities to children and families across Kansas.

Dr. Lisa Mische Lawson is an associate professor of Occupational Therapy Education at the University of Kansas Medical Center and the director of KU Sensory Enhanced Aquatics, a swimming and water safety program for children with autism spectrum disorder. She is a Certified Therapeutic Recreation Specialist and her research focuses on promoting health of vulnerable populations through leisure and physical activity. Dr. Mische Lawson is a President’s Council on Fitness, Sports & Nutrition I Can Do It, You can Do It Advocate, bringing national resources for promoting healthy eating and physical activity to Kansans with disabilities.

Dr. E. Matthew Morris of KU Medical Center investigates the role of liver energy metabolism in the development of obesity, type 2 diabetes and cardiovascular disease. His work centers around how the function or dysfunction of the primary energy producing cellular bodies, mitochondria, can impact liver
function and ultimately systemic health. The current focus is how liver mitochondrial function can, through neural pathways to the brain, influence high fat diet-induced weight gain via changes in food intake and storage of dietary fat. Ultimately, the goal of his research is to describe mechanism and therapeutic options to reduce or prevent metabolic disease in adult and adolescent populations.

Dr. Eve-Lynn Nelson’s research interest is using outreach strategies, including technologies, to deliver best practices in children’s healthy lifestyles to rural and underserved communities. A professor of Behavioral Pediatrics at KU Medical Center, she is currently focusing on Project Extension of Community Outcomes (ECHO), a technology-supported education approach to build the capacity of rural primary care to assess/treat common conditions using evidence-based strategies. She is also interested in home-based telehealth interventions.

Dr. Susana Patton is a pediatric psychologist at the University of Kansas Medical Center. Her research focuses on the promotion of health and the prevention of disease-related complications through diet, a healthy lifestyle, and improved adherence to medical treatment for children living with chronic illness. The core of her work centers on children with type 1 diabetes mellitus and she is conducting both treatment outcome and descriptive studies. Dr. Patton is also interested in child eating behaviors as they relate to child nutrition and overweight and she has an interest in research related to the treatment of common childhood digestive problems, including constipation.

Dr. Lauren Ptomey is a research assistant professor in the department of Internal Medicine at the University of Kansas Medical Center. Her long-term research goals are to determine the best strategies to promote physical activity, healthy eating and weight management in typically developing and special needs children and adolescents.

Dr. Kimberly Randell is an attending physician in pediatric emergency medicine at Children’s Mercy Kansas City and associate professor of pediatrics at the University of Missouri-Kansas City School of Medicine. Her areas of interest are adverse childhood experiences, intimate partner violence, adolescent relationship abuse, and resilience.

Dr. Brenda Salley is a clinical psychologist and assistant professor of pediatrics at the University of Kansas Medical Center and the University of Missouri-Kansas City School of Medicine. Dr. Salley is the Director of the Baby Lab at the University of Kansas Medical Center, which focuses on understanding developmental pathways towards adaptive and healthy outcomes in children. She is particularly interested in the early cognitive and communication development of young children and how the social world can impact learning in these areas.

Dr. Robin Shook is a research assistant professor in the Department of Pediatrics at Children’s Mercy and Director of Weighing In. His research interests include both public health and clinical approaches to understanding obesity. His clinical studies focus on every balance, which is the interaction between an individual’s diet, their physical activity level and their body weight. From these studies, his team tries to develop strategies to prevent or reduce obesity on a population level using public health approaches.

Dr. Jane Sosland is a clinical associate professor at the University of Kansas Medical Center and a member of the multidisciplinary team for the Healthy Hawks clinic, which serves children and adolescents with obesity. Her clinical interests include evaluation and treatment of anxiety disorders, ADHD, depression children and adolescents.

Dr. Vincent Staggs is a research faculty member in the Dept. of Biostatistics & Epidemiology, Health Services and Outcomes Research at Children’s Mercy Kansas City. Areas of interest/expertise: Statistical/machine learning, linear and generalized mixed models, bootstrapping, predictive modeling, R, SAS, mental/behavioral health, genomics, health services, bioethics.
Dr. Debra Sullivan is department chair of Dietetics and Nutrition at the University of Kansas Medical Center and the Midwest Dairy Council Professor in Clinical Nutrition. Her research focuses on prevention and treatment of obesity and its co-morbid conditions. She also maintains a nutrition assessment laboratory in order to conduct measurement of dietary intake and body composition.

Shelly Summar, MSEd, RD, LD, is the manager of the Weighing In program at Children’s Mercy Kansas City, building community collaboration to prevent childhood obesity. Her work includes leading the Healthy Lifestyles Initiative (HLI) which engages partners in healthcare, government, and community working to create environments that support health.

Dr. Brooke Sweeney is a combined internal medicine/pediatric physician and the medical director of weight management services at Children’s Mercy Kansas City. Her clinical expertise is in prevention and treatment of chronic disease, weight management, and clinical care for children with obesity. Her research interests include improving the effectiveness of weight management clinics, transitional care, and using a national registry to improve pediatric weight management.

Dr. John Thyfault is an associate professor in the Department of Molecular and Integrative Physiology at the University of Kansas Medical Center where he examines the effect of chronic physical inactivity, sedentary behavior, and low aerobic fitness on the development of chronic disease conditions including obesity, insulin resistance, fatty liver disease, type 2 diabetes, and cardiovascular disease. In contrast, daily physical activity and maintenance of aerobic fitness throughout the lifespan are associated with protection against chronic disease(s). The mechanism(s) underlying the development of these diseases and the role that activity and fitness status play in altering susceptibility remain largely unknown and are the focus of our research. We utilize integrative (multi-tissue and whole body), translational (cells, rodents, humans) approaches to perform studies in these areas with a focus on clinical or human relevance.

Dr. Dustin Wallace is a pediatric psychologist at Children’s Mercy Kansas City and assistant professor of pediatrics at the University of Missouri-Kansas City. Dr. Wallace specializes in pain management, pediatric pain rehabilitation and acceptance based treatment.

Dr. David White is an exercise physiologist at Children’s Mercy Kansas City. His focus is clinical exercise testing and prescription in children with congenital and/or electrophysiological heart defects, neurocardiogenic syncope, dyslipidemia, and abnormal cardiopulmonary responses to exercise. Advanced methodology includes oxygen consumption, EKG, oxygen saturation, exercise blood pressure, pulmonary function testing, and tilt table testing. Additional responsibilities include exercise and behavioral counseling for youth and families of children with dyslipidemia and/or obesity in the Ward Heart Center Preventive Cardiology Clinic.

Center Members (Associate)

Lubna Alnaim is a PhD student in the Dietetics & Nutrition Department at KU Medical Center.

Matt Chrisman, PhD, is an assistant teaching professor at the UMKC School of Nursing & Health Studies. His research interests focus on the environmental determinants of physical activity in rural adults.

Joan Delahunt, OTD, MS, OTR/L, is an assistant professor in Occupational Therapy Education at Rockhurst University. Research interests include relationships between adolescent BMI, physical activity and sensory-processing patterns.

Emily Meissen-Sebelius, MSW, is project coordinator for Weighing In at Children’s Mercy Kansas City. Her interests lie in non-profit leadership and community engagement.
Joel Waddell, DO, is completing a dual fellowship in Pediatric Infectious Diseases and Pediatric Clinical Pharmacology at Children’s Mercy Kansas City. His research is focused on the effects of obesity on antibiotic pharmacokinetics and health outcomes in children with invasive infections.

**Graduate and Undergraduate Research Staff**

**Carolina Bejarano** is a doctoral student in the Clinical Child Psychology Program at the University of Kansas. Her research interests generally focus on understanding and promoting health behavior, such as diet, sleep, and physical activity, in youth. She is interested in examining relationships among health-related behaviors and psychosocial constructs (e.g., motivation, affect, hedonic appetite), and how this information may be applied to improve children and adolescents' physical and mental health.

**Frances Bozsik** is a doctoral student in the Clinical Health Psychology Program at the University of Missouri-Kansas City. Her research interests include sociocultural factors affecting body image and the prevention and treatment of maladaptive eating behavior. Her current work is on establishing the efficacy of a local high school eating disorder prevention program. She is also working on projects related to promoting healthy eating and exercise behavior in children and adolescents.

**Hannah Krohne** is currently a graduate student in the Department of Dietetics and Nutrition at the University of Kansas Medical Center. She is mainly interested in pediatrics and proper nutrition for growth, development, and enhancing quality of life. Hannah is always discovering new aspects of nutrition and being inspired to help others through nutrition education/interventions. She will be working with Dr. Amanda Bruce on her KARMA study.

**Arwen Marker** is a graduate student in the Clinical Child Psychology doctoral program at the University of Kansas. Arwen is primarily interested in how chronic pediatric health conditions, such as obesity and type 1 diabetes, are related to the development of depression and anxiety. Arwen is currently working on projects examining weight-related health interventions for families of young children and treatments for parents of youth with type 1 diabetes.

**Bryce Miller**, a student-athlete in the Health Sciences program at the University of Missouri - Kansas City, is interested in community health integration efforts aimed at obesity prevention and the promotion of healthy lifestyle modifications in children. Specifics include engaging community collaboration focused on developing healthy habits in diet and exercise for a healthy future. Current focus is the Weighing In program as well as assisting Dr. Shook with energy balance research studies.

**Jason Moburg** is a registered nurse and a graduate student in the Family Nurse Practitioner track of the doctoral program at The University of Missouri-Kansas City. His research interests are primarily focused on the psychosocial effects of childhood overweight and obesity and the influence of provider weight bias in the care of overweight and obese children and adolescents. He is particularly interested in health promotion activities and how to arm children and adolescents with skills in healthy diet and exercise that will span throughout their lifetime.

**Jackson Mores** is a graduate student in the Master of Public Health program through the University of Kansas Medical Center. His broad interest is the endorsement of wellness through physical activity. Particularly, he is interested in the effects of injury prevention training, sports-related concussion management programs, and overuse injuries in pediatric athletes. Jackson is currently working on a project that focuses on energy balance and the interplay between diet, physical activity, and body weight.

**Alexandra Monzon** is a graduate student in the Clinical Child Psychology doctoral program at the University of Kansas. Her research interests generally focus on promoting healthy behavior and improving quality of life in pediatric populations through mobile health platforms. She is specifically
interested in examining how health behaviors, such as sleep, impact mental health and the ability to cope with a chronic health condition in children and adolescents.

**Meggie Murray** is a graduate student in the Department of Dietetics and Nutrition at the University of Kansas Medical Center. Her research interests include the effects of nutrition intervention and physical activity on weight status and obesity prevention among all age groups. She is currently working on a project examining weight management and eating habits of children with autism spectrum disorder.

**Keaton Murry** is an undergraduate student at the University of Central Missouri studying exercise science and nutrition. Keaton is interested in how the development of hypertrophic vs. hyperplastic adipose tissue in early adolescence affects weight management. Other interests include health education on interpreting nutrition labels, portion control and incorporating physical activity into everyday life. Keaton is currently working with Dr. Shook on energy balance research and assisting in PHIT Kids and Zoom to Health.

**Amy Noser** is a doctoral student in the Clinical Child Psychology program at the University of Kansas. Broadly, her research interests include pediatric health promotion and prevention. Specifically, she is interested in how individual differences in self-processes (e.g., motivation, self-efficacy, and self-concept) and behaviors (i.e., diet, physical activity, and sleep) impact the present and long-term health of youth. Amy is currently working on projects examining predictors of glycemic control and adherence in youth with type 1 diabetes mellitus.

**Chelsea Steel** is a graduate student in the Master of Public Health – Epidemiology program at the University of Kansas Medical Center. She is interested in dissemination and implementation science and chronic disease prevention. Specifically, her interest lies in implementation of evidence-based programs and their measurable effect on health. Chelsea will be working on research related to walking school bus programs and activity tracking.

**Kara Young** is a registered dietitian and a graduate student in the Dept. of Dietetics and Nutrition at the University of Kansas Medical Center. She is mainly interested in the promotion of a healthy lifestyle to combat childhood obesity. Kara is currently working with Dr. Shook on energy balance research studies.

**Staff**

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Faculty Grant Support (pulled from CHLN member CV)
January 1, 2017 – December 31, 2017

Please note: This is an alphabetical listing of all grant funding for every CHLN member in 2017. As you’ll notice, we often partner with each other on our projects, so one center member may be PI and another may be Co-I, etc. In order to recognize everyone’s contributions, in the list below the grant is listed under every contributing member resulting in some grants being listed multiple times.

KUMC Members

**Dr. Christi Befort**

**Ongoing Research Support**

- NIH/NHLBI PI: Perri, M 2013 - 2018
  RCT comparing group versus individual phone counseling for weight management in the rural setting delivered via Cooperative Extension Service.
  **Role:** Provide training and oversight for group phone counseling arm.

- PCORI PI: Befort, C 2015 - 2019
  Multi-site cluster randomized RCT examining three delivery models of care for treating obesity in rural primary care practices across the states of KS, IA, NE, and WI.

- Susan G Komen Foundation PI: Daley, C 2015 - 2018
  Training program for American Indian students to obtain a Master of Public Health degree focusing on an aspect of breast cancer disparities research.

**Completed Research Support**

- NIH/NCI R01 PI: Befort, C 08/1–05/17
  RCT comparing feasibility and effects of high dose omega-3 vs. placebo on blood and tissue biomarkers and weight regain among women at high risk for breast cancer and breast cancer survivors undergoing weight loss and weight loss maintenance intervention.
  **Role:** Conduct and oversee the weight control intervention.

- KU Alzheimer’s Disease Center PI: Watts, A 2016-2017
  Pilot trial examining a home and telephone-based sitting time intervention in older adults with mild cognitive impairment.

**Submitted Research Support**

- NIH NIMHD U54 PI: Anton, S 2016-2017
  Creation of community organization network to identify high risk obese, pre-diabetic ethnically diverse individuals within rural communities, and to test an alternative, novel, treatment approach for extending care to this high risk population. Serving as consultant on group phone-based intervention delivery in rural populations.
NCI P01  PI: Demark-Wahnefried, W  (Pending)
Program Project to develop dissemination models for behavioral interventions for cancer survivors.
Serving as consultant regarding strategies for reaching rural cancer survivors.

NIH K12HD092435  PI: Carlson, S  (Pending)
Career development training program in women’s health.
Role: Research Director. Oversee selection of scholars and mentors, provide core training experiences, ensure active and productive mentoring experiences; provide mentorship in grant writing, behavioral clinical trial design, implementation research, and topics focused on lifestyle interventions, cancer prevention and survivorship, rural health, and behavioral health.

**Dr. Amanda Bruce**

**Ongoing Research Support**
Marion Merrell Dow Award  Co-PI: Shook & Bruce  2017-2018
The Brain, Appetite, Teens, and Exercise (BATE) study.

NIH COBRE  PI: Kirkpatrick, K  2017-2022
Cognitive and Neurobiological Approaches to Plasticity (C-NAP) Center
Role: Pilot project recipient; translational neuroimaging research.

Center for Children’s Healthy Lifestyles & Nutrition Co-PI: Shook & Bruce  8/1/17-7/31/18
Brain Activity, Physical Activity, Adiposity, and Reward
Role: Co-PI with R Shook

**Completed Research Support**
National MS Society  PI: Bruce JM  10/15-3/17
Development of a treatment decision model in Multiple Sclerosis
This application applies the economic model approach of probability discounting to explaining risk versus benefit treatment decision making.
Role: Co-Investigator

Katharine Berry Richardson Foundation  PI: Burgert  1/16-12/17
Metabolic and neuroendocrine effect of treating PCOS in adolescents.
The goal of this study is to examine how pharmacologic treatment for polycystic ovarian syndrome affects brain structure and function.
Role: Co-Investigator

**Submitted Research Support**
NIH R01  PI: Bruce, AS  Resubmission 7/17
Neuropathological mechanisms of pediatric food decisions
The goal of the study is to elucidate internal and external influences on obese and lean children’s food decisions.

USDA AFRI  Co-PI: Lim & Bruce  Submitted 6/17
Shaping Developing Brains to Improve Dietary Self-Control and Prevent Childhood Obesity

NIH R01  PI: Davis, AM
The safety and efficacy of megesterol as part of iKanEat
The goal of the project is to examine whether megesterol is a necessary component of a tube to oral feeding protocol in pediatric patients.
Role: Co-Investigator.
NIH R01  PI: Bruce, J
Computational and neural foundations of treatment adherence decisions in Multiple Sclerosis. The goal is to use probability discounting and fMRI to better elucidate health related treatment decisions. Role: Co-Investigator

Dr. Julie Christianson
Ongoing Research Support
NIH R01  PI: Christianson  2014 - 2019
Effect of neonatal and adult stress on pelvic pain disorders and comorbidity

NIH R01  PI: Christianson  2014 – 2019
Comorbid mood and urogenital disorders in mice following neonatal maternal separation

NIH R01  PI: Wright  2015 – 2020
Painful versus insensate diabetic neuropathy
Role: Co-investigator

Ironwood Pharmaceuticals  PI: Christianson  2017 – 2018
Preclinical efficacy of intra-rectally dosed IW-3300 in adult NVI mice

Submitted Research Support
NIH R01  PI: Nothnick  (Not funded)
The role of the miR144/451 cluster in endometriosis pathogenesis

Dr. Ann Davis
Ongoing Research Support
R01 NR016255  PI: Davis  01/11/17-11/30/21
Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention
The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.
CHLN Co-Investigators: Eve-Lynn Nelson, Meredith Dreyer Gillette, Deb Sullivan

HRSA  PI: Nelson  9/1/16-8/31/20
Telehealth Rural Outreach to Children in Kansas Schools (Telehealth ROCKS2)
This award will enhance mental health and pediatric obesity related services in rural and underserved areas of south east Kansas using telehealth and the ECHO program.
Role: Co-Investigator

NIH 1 UG1 HD090849  PI: McCulloh  9/26/16-9/25/20
SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension
The purpose of this award is to fund the SPeCTRE program for extending and implementing pediatric clinical trials in rural and underserved areas of the state of Kansas.
Role: Co-Investigator

R03 HD088776  PI: Carlson  4/24/17-3/31/19
Identifying Promising Implementation Strategies for Walking School Bus Programs
The purpose of this award is to qualitatively and quantitatively assess the best practices related to successful implementation of active walking school bus programs for elementary school children around the world.
Role: Co-Investigator

R21 HD088913  MPI: Davis, Nelson, Wambach  9/6/17-8/31/19
MomHealth: Mobile Multiple Health Behavior change in Teen Pregnancy & Parenting
This study will pilot test an innovative education and support program to promote the health of pregnant and parenting adolescent mothers in three behavioral health areas simultaneously: breastfeeding, healthy eating and active living, and depression prevention.

Katharine B. Richardson Award; Children’s Mercy  PI: Carlson  10/01/2017-9/30/2019
Improving Implementation of Classroom Physical Activity Programs
The goal of this study is to investigate how existing classroom physical activity programs can reach a larger number of students and have greater impacts on health. We will assess materials (e.g., teacher training manuals) provided by existing programs, and collect information from end-users (e.g., classroom teachers) on the barriers and facilitators faced when implementing such programs.

UL1 TR002366 (KL2/TL1)  PI: Barohn  9/07/2017 - 06/30/2022
Frontiers: University of Kansas Clinical and Translational Science Institute
The purpose of this award is to create a new academic home with training programs for clinical and translational investigators, provide an enhanced coordinated translational research infrastructure and actively engage the community in developing, testing and disseminating translational research.
Role: Key Personnel; Working Group Member

Marion Merrell Dow Clinical Scholar, Children’s Mercy  PI: Shook  09/2017 – 08/2019
The Brain, Appetite, Teens, and Exercise
The purpose of this project is to quantify appetite and neural mechanisms of food reward in overweight/obese sedentary youth and to quantify changes following the implementation of a physical activity intervention.
Role: Co-Investigator

NIH U24OD024957  PI: Davis  07/01/17 – 09/25/20
ISPCTN Protocol Writing Group for the iAmHealthy trial in the ISPCTN
The purpose of this contract is to provide support for writing the iAmHealthy protocol which will be disseminated through the ISPCTN network.

Completed Research Support
Healthcare Foundation of Greater Kansas City  PI: Davis  1/1/16 – 3/31/17
A Continuing Partnership Between an Obesity Program and a Primary Care Organization: Healthy Hawks at Turner House Children’s Clinic
The purpose of this grant is to conduct the Healthy Hawks pediatric obesity program in partnership with a local federally qualified health center to assess impact on referral patterns, drop out, and adherence.

PCORI  PI: Waitman  9/7/15-9/7/18
The Greater Plains Collaborative: a PCORnet Clinical Research Data Network
The purpose of this award is to conduct demonstration projects related to the recently developed PCORnet Clinical Research Data Network, the Greater Plains Collaborative.
Role: Obesity Site Lead for KUMC and CMH

Submitted Research Support
NIH R01  Davis, A
The safety and efficacy of megesterol as part of iKanEat
Received 7th percentile score. Council meeting in May 2018.

NIH R01  Daley, C  (submitted 12/2017)
Addressing Obesity in American Indian Communities Using a Multi-Level Approach
Role: Co-Investigator
Dr. Trent Herda
Ongoing Research Support
Effects of childhood obesity on plasma metabolome and muscle quality and performance.
Role: Research Mentor

Completed Research Support
Neuromuscular function of a small hand muscle in children 8 to 10 years of age: an obesity study.

Dr. Holly Hull
Ongoing Research Support
NIH PA-14-323 Co-PI: Andres A. Borsheim E. 08/2016 – 08/2021
Phenotypic and metabolic characteristics in early childhood leading to obesity
Role: Co-I

NICHD Student Loan Repayment Program Renewal PI: Hull, H.R. 09/2017 – 09/2019
Promoting healthy gestational weight gain. Renewal
Role: PI

Completed Research Support
University of Kansas School of Health Professions PI: Hull 6/2016 - 5/2017
Exploration of the cardioprotective role of DHA during pregnancy

KUMC Research Institute PI: Hull 6/2016 - 5/2017
Feasibility of a single goal intervention to prevent excessive gestational weight gain

The Roberts Family Foundation PI: Hull 6/2016 - 5/2017
Can consumption of dietary fiber prevent excessive gestational weight gain?

Dr. Kelly Kreisler
KU Dept. of Pediatrics PI: Kreisler 2017 – 2018
Improving Dental Care Utilization by Refugee Patients in Wyandotte County, Kansas

Dr. Rusty McCulloh
Ongoing Research Support
NICHD PI: McCulloh 9/21/16-8/31/20
SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension

Courtney Turner Foundation PI: McCulloh 7/1/2017-6/30/2018
“EDSPACE: Electronic Decision Support for Pediatric Acute Care Excellence”

Patton Trust, KCALSI PI: McCulloh 10/1/2015-1/31/2018
Use of multiplex proteomic assays for diagnosis of pediatric genetic diseases.

Completed Research Support
Eva and Kenneth Smith Foundation PI: McCulloh 7/1/2014-11/30/2017
This is a Clinical Scholar Award for research in medical decision-making, health outcomes, and informatics. It generally supports all aspects of my research platform.

Katherine Berry Richardson Foundation PI: McCulloh 4/1/2014-10/31/2017
“A national assessment of the microbiology, epidemiology, and resource utilization in infants hospitalized for suspected serious bacterial infection (SBI)”

Gerber Foundation Novice Research Award 
PI: McCulloh 
7/1/2014-9/30/2017

“Improving febrile infant diagnosis and treatment (IFIT): A national benchmarking study.”

Dr. Lisa Mische Lawson
Ongoing Research Support
Autism Speaks 
PD: Mische Lawson 
6/1/2017-7/1/2018

Swimming and Water Safety Scholarship
Sensory Enhanced Aquatics
Major Goal: To support financially disadvantaged children with autism spectrum disorder to participate in KU Sensory Enhanced Aquatics

Completed Research Support
University of Kansas Medical Center 
PI: Mische Lawson 
10/1/16-4/1/17

Swimming and Water Safety Equipment for KU Sensory Enhanced Aquatics
Major Goals: To update swimmer and instructor equipment to promote swim skill acquisition of children with autism spectrum disorders.

Dr. Matthew Morris
Ongoing Research Support
NIH/NIDDK 
PI: Morris 
2017 – 2022

Hepatic mitochondrial function control of high-fat diet-induced weight gain
Goal: To examine the role of reduced liver mitochondrial function in mediating neural control of food intake, systemic macronutrient metabolism, and weight gain.

Veterans Administration 
Role: Fellow/Collaborator 
2014 – 2018

Mitochondrial mitophagy in the development and treatment of NAFLD.
Goals: To examine the role of mitophagy to influence hepatic mitochondrial content and function, and to impact susceptibility and treatment for fatty liver disease.

Submitted Research Support
K-INBRE – Developmental Research Project Program 
PI: Morris
Title: Reduced liver metabolism modulates neural development impacting obesity risk
Goal: To examine the role of hepatic energy metabolism during perinatal development on adult diet-induced weight gain and obesity via modulation of neural anatomy and connectivity in CNS regions involved in systemic energy homeostasis.
In Pre-Award

Completed Research Support
Kansas IDeA Network of Biomedical Research Excellence 
PI: Morris 
2016 – 2017

Hepatic control of diet-induced weight gain

Center for Children’s Healthy Lifestyles & Nutrition 
PI: Morris 
2016 – 2017
Reduced hepatic mitochondrial function increases susceptibility for obesity in adolescence and adulthood.
Hepatic regulation of high-fat induced weight gain
The goal of this project is to determine if compromised hepatic mitochondrial function negatively impacts high fat diet induced responses for substrate handling, regulation of food intake, and hepatic steatosis.

Dr. Eve-Lynn Nelson
Ongoing Research Support
NIH PI: Patton 2015 – 2018
Reducing hypoglycemia fear in parents of young kids with video-based telemedicine
Role: Investigator

KU-Pediatrics/CMN PI: Nelson 2014 - 2018
A Study of Adherence and Outreach Strategies Related to Children Experiencing Concussion Status: Funding complete, continuing to recruit.

Midwest Cancer Alliance PI: Doolittle, Nelson 2015 - 2018
Telehospice

CX2 PI: Nelson 2015 – 2018
Kansas’ Project ECHO for Pain Management (ECHO-PM)

HRSA, OAT PI: Nelson 2015 - 2018
Telehealth ROCKS

National Institute of Biomedical Imaging and Bioengineering PI: Smith 2016 - 2019
Mobile TEEN Connections for Support from Multidisciplinary Professionals & Peers
Role: Investigator

HRSA PI: Nelson, E 2016 - 2020
Telehealth ROCKS Schools

HRSA, MCHB PI: Ellerbeck 2016 - 2020
Kansas Leadership Education in Neurodevelopmental and Related Disabilities (LEND)
Role: Investigator (telemedicine core director)

R01 NR016255 PI: Davis 01/11/17-11/30/21
Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention
The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.
CHLN Co-Investigators: E Nelson, M Dreyer Gillette, D Sullivan (Duplicate listing: Davis)

HRSA Telehealth Resource Center

MacArthur Interprofessional Collaboration Award PI: Peltzer 2017 - 2018
iCOPE intervention for women with HIV/AIDS
Role: Investigator

R21 HD088913 MPI: Davis, Nelson, Wambach 9/6/17-8/31/19
MomHealth: Mobile Multiple Health Behavior change in Teen Pregnancy & Parenting
This study will pilot test an innovative education and support program to promote the health of pregnant and parenting adolescent mothers in three behavioral health areas simultaneously: breastfeeding, healthy eating and active living, and depression prevention. (Duplicate Listing: Davis)

Submitted Research Support
Pain Management ECHO (under review)

NIH PI: Patton 2018-2021
Role: Investigator
RCT Evaluating a video-based telemedicine intervention to reducing hypoglycemia fear in parents of young kids with diabetes. (Scored, in revision)

Sunflower Health Plan (MCO) PI: Nelson 2017 – 2018
Economic Impact of a Child Behavioral Health ECHO
Status: Under review

NIH PI: Richter
Advancing Tobacco Care in Patient-Centered Medical Homes via ECHO Telementoring
Role: Investigator (Revision to be submitted 2018)

Completed Research Support
momHealth Pilot: Mobile Multiple Health Behavior Change in Teen Pregnancy & Parenting.

Dr. Susana Patton
Ongoing Research Support
NIH R01 PI: Patton 2014 - 2019
Longitudinal test of adherence & control in kids new to T1 diabetes

NIH DP3 PI: Patton 2015 – 2019
An interactive mHealth app for better glycemic control in families of young kids with T1D

Helmsley Charitable Trust PI: Clements 2017 – 2020
Improving type 1 diabetes care via predictive analytics and a learning health system
Role: Co-investigator (Duplicate listing: Clements/CM)

Submitted Research Support
NIH DP3 Co-Pls: Patton, Clements 2017 – 2021 (Priority score 45)
Transforming T1DM Care Via Device Data, Actionable Alerts, & On Time Care: The David Project

NIH R01: National Institute of Diabetes & Digestive & Kidney Disease PI: Patton 2018 -- 2023
Home-based video telemedicine to reduce parental fear of hypoglycemia in young kids with T1D

NIH R01: National Heart, Lung and Blood Institute Co-Pls: Cushing, Fedele 2018 – 2021
ReAct, an adaptive mobile health intervention for adolescent asthma

R21 NIH: National Cancer Institute PI: Gibbs 2018 – 2020
Nutricity: Expanding and piloting an intervention upon parental and child nutrition literacy

Completed Research Support
NIH R21 PI: Patton 2015 – 2017
Reducing hypoglycemia fear in parents of young kids with vide-based telemedicine
Dr. Lauren Ptomey
Ongoing Research Support
NIH: R01 DK114121 MPI: Donnelly/Ptomey 9/5/2017 – 8/31/2022
Remote Technology for Weight Management in Adults with IDD

Administration for Community Living MPI: Vidoni/Ptomey 10/1/16 – 9/30/19
Kansas City Collaborative to Enhance Access to Behavior and Physical Activity Supports for Individuals with Alzheimer’s Disease and Related Dementias

University of Kansas Alzheimer’s Disease Center PI: Ptomey 10/1/16 – 9/20/17
Feasibility of Remote Technology to Increase Physical Activity in Individuals with Alzheimer’s Disease and their Caregivers

NIH: R01 DK108732 PI: Donnelly 6/1/16 – 5/31/21
Weight Management in Rural Health Clinics.
Role: Co-Investigator

Healthy Weight Research Network for Children with ASD/DD PI: Forbush 1/1/16 – 7/30/17
Diet Quality, Parental Perceptions and Weight Gain Among Adolescents with an Intellectual and Developmental Disability
Role: Co-Investigator

NIH: R01 HD079643 PI: Donnelly 3/6/15 – 2/28/20
Weight Management for Adolescents with IDD
Role: Co-Investigator

Dr. Brenda Salley
Ongoing Research Support
NIH (NICHD) PI: Salley 9/25/15 – 7/31/18
Visual attention, joint attention and emergent language in infancy
Longitudinal examination of the co-development of visual attention and joint attention in infancy and associations with emerging language.

Katharine B Richardson Award, Children’s Mercy PI: Salley 2016 - 2018
Getting ready to read: A book sharing intervention for infants and caregivers

PCORI Engagement Award PI: Talebizadeh 2017 – 2018
Incorporating genetic information into patient-centered outcomes research
Role: Consultant

NIH: NICHD PI: Salley 2017 – 2019
Pediatric Loan Repayment Award

Proposed Research Support
Institute of Education Sciences PI: Salley (Under review)
Early Intervention and Early Learning in Special Education, Goal 2
Developing a parent-training intervention to build pre-literacy and language in infants and toddlers at risk

Jackson County Children’s Services Fund PI: Salley (Under review)
Developing a manualized book sharing intervention for high-risk infants/toddlers to promote attention, preliteracy and school readiness
R01: NIH, NICHD  PI: Salley  (in preparation)
Developmental precursors to joint attention

R01: NIH, NIDCD  PI: Salley  (in preparation)
Language nutrition in the NICU

IES, Goal 5  Co-PIs: Salley, Bridges  (in preparation)
Developing measurement tools for pre-literacy and joint attention in infants and toddlers

**Dr. Debra Sullivan**

**Ongoing Research Support**

NIH  PI: Donnelly  4/01/14 – 3/31/19
Weight management for adolescents with intellectual and developmental disabilities
Role: Co-investigator

American Cancer Society  PI: Jill Hamilton-Reeves  7/01/2017 - 6/30/2021
Weight loss for obesity-driven biomarkers of prostate cancer progression
Role: Co-investigator

R01 NR016255  PI: Davis  01/11/17-11/30/21
Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention
The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.
CHLN Co-Investigators: E Nelson, M Dreyer Gillette, D Sullivan  (Duplicate listing: Davis)

National Dairy Council/Dairy Management Inc.  PI: In-Young Choi  9/01/2016-12/31/2018
Dairy intake and cerebral antioxidant defense in aging: a dietary intervention study
Role: Co-Investigator

NIH R01  PI: Kathleen Gustafson  1/01/2016 -12/31/2020
Kansas University DHA and autonomic nervous system
Role: Co-Investigator

NIH R01  PI: Donnelly  10/01/15 – 9/30/19
Translating effective weight management in rural clinics
Role: Co-Investigator

KU School of Health Professions  PI: Sullivan  7/01/2017- 6/30/2018
Interruption Very Low Energy Intake compared to Continuous Low Energy Diet for Weight Change and Dietary Adherence

**Completed Research Support**

KU Alzheimer’s Disease Center and Landon Center on Aging  PI: Sullivan  7/05/16 – 6/30/17
Feasibility trial of a Mediterranean diet pattern to prevent cognitive decline

KUMC Frontiers and KU Alzheimer’s Disease Center  PI: Sullivan  2/01/12 – 12/31/17
Feasibility of the ketogenic diet in individuals with Alzheimer’s disease

NIH R01  Co-PI: Sullivan, Donnelly  9/25/12 – 8/31/17
A virtual reality intervention (Second Life) to improve weight maintenance

NIH F32  PI: Fazzino  7/01/2016 - 6/30/2017
The effects of heavy alcohol use on weight gain in college freshmen: Examining an overlooked calorie source
Role: Mentor

Phi Beta Psi Foundation  PI: Hamilton-Reeves  8/01/16 - 7/31/17
Impact of weight loss on chemokine signaling in obesity-induced prostate cancer progression
Role: Co-Investigator

Frontiers Collaborative Studies Program  PI: Gibbs  6/2016 - 8/2017
Improving parental nutrition literacy: Mobile website development and feasibility
Role: Co-Investigator

University of Kansas School of Health Professions  PI: Hull  6/2016 - 5/2017
Exploration of the cardioprotective role of DHA during pregnancy
Role: Co-Investigator  (Duplicate listing: Hull)

KUMC Research Institute  PI: Hull  6/2016 - 5/2017
Feasibility of a single goal intervention to prevent excessive gestational weight gain
Role: Co-Investigator  (Duplicate listing: Hull)

The Roberts Family Foundation  PI: Hull  6/2016 - 5/2017
Can consumption of dietary fiber prevent excessive gestational weight gain?
Role: Co-Investigator  (Duplicate listing: Hull)

**Proposed Research Support**

NIH R01  PI: Hamilton-Reeves
Effects of Soy & Weight Control on Immune and Inflammatory Biomarkers in Prostate Cancer Survivors
Role: Co-investigator

NIH R01  Co-PIs: Sullivan and Swerdlow
Validation and mechanistic interrogation of metabolism targeting for Alzheimer’s disease

NIH R01  PI: Hull
4/01/2017 - 6/30/2022
Novel Methods to Encourage Appropriate Gestational Weight Gain
Role: Co-investigator

NIH  PI: Gibbs
Choosing healthy food, observing use and mediators of (CHOOSE) nutrition literacy
Role: Co-investigator

NIH R01  Co-PIs: Sullivan and Burns

NIH R21  PI of subcontract to Children’s Mercy Hospital: Sullivan  7/01/2017 - 6/30/2019
Appetite control and adiposity across the continuum of activity.

NIH R01  PI: Fabian
Translational Studies of Exercise and Diet in Obese Sedentary Breast Cancer Survivors: Targeting Visceral Adipose Tissue
Role: Co-investigator

**Dr. John Thyfault**

**Ongoing Research Support**

Title: Statins, Mitochondrial Function, and Aerobic Capacity
The goal of this grant is to examine if statins negatively impact skeletal muscle mitochondrial function and aerobic capacity and if statins negatively impact exercise adaptations.

NIH R21AG056062-01  PI: JP Thyfault  5/1/17 – 4/30/19
Title: Skeletal muscle mitochondrial Abnormalities in Alzheimer’s Disease
The goal of this project is to determine if Alzheimer’s disease and APOE genotype is associated with skeletal muscle mitochondrial dysfunction.

Veterans Affairs Merit Review  PI: Thyfault  10/2/14 – 9/30/18
Title: Mitochondrial mitophagy in the development and treatment of NAFLD.

NIH R01 DK107390-01A1  PI: Leidy, Thyfault  10/1/2016 – 9/30/2021
Title: Increased Protein at Breakfast for Weight Management in Overweight Adolescents
The goal of this proposal is to examine whether the daily consumption of a high-protein breakfast will improve weight management and glycemic control more than a typical, normal protein breakfast in overweight adolescents who habitually skip breakfast.

NIH R01 AA020518  PI: Wen Xing Ding/JP Thyfault  7/1/2017 – 6/20/2022
Title: Mechanisms Regulating Autophagy in Alcohol-Induced Liver Injury
The goal of this project is to study the role of autophagy in alcohol-induced liver injury.

Completed Research Support
K-INBRE Postdoctoral Research Award, NIH P20GM103418  7/1/16 – 6/31/17
Title: Hepatic regulation of high-fat induced weight gain
Role: Mentor

Proposed Research Support
National Institutes of Health R01 DK088940  PI: Thyfault  10/1/2017 – 9/30/2022
Title: Aerobic fitness, mitochondrial dysfunction, and fatty liver disease.
Competitive Renewal, received 21st percentile on A0 submission, resubmitted Fall 2017

Center Members from Children’s Mercy Kansas City, KU-Lawrence, UCM

Dr. Charles Barnes
Active Research Support
Healthy Homes to Eliminate ETS Exposure in American Indians  PI: Daley  7/1/16-6/30/21
Description: This research proposes to study tobacco use behavior in the American Indian Community. The goal of this study is to develop a Healthy Home Intervention to eliminate exposure to ETS in the homes of American Indians. The multi-level intervention will consist of: 1) culturally-tailored smoking cessation for the individual smoker/s; 2) healthy homes assessment and feedback to the family/household; and 3) ETS and environmental health education to the community.
Role: PI at Children’s Mercy Kansas City

Andrea Bradley-Ewing
Ongoing Research Support
Midwest Cancer Alliance  PI: Myers  11/1/17 – 12/31/19
University of Kansas Cancer Center
Adherence to AFIX Strategies and HPV Immunizations in Pediatric Practices
Major goal(s): Assess adherence to AFIX recommended immunization strategies and HPV vaccination rates among pediatric community practices in the Integrated Care Solutions network.
Role: Co-Investigator

Pipeline to Proposal Tier III  PI: Myers  8/1/17 – 07/31/18
Patient Centered Outcomes Research Institute
Engaging Communities in Infectious Diseases Research and Intervention Development
Major goal(s): To build the capacity of a Community Coalition Board (CCB) of parents, patients, health care providers, health department representatives, and school leaders to develop an LOI and application to a broad PCORI funding announcement to increase HPV vaccination rates in the Kansas City region.
Role: Co-Investigator

Engagement to Advance PCORI in Family Medicine
Identify emerging and best practices in engagement for family medicine practices and bring representatives together to lead discussions and share models in an effort to accelerate adoption.
Major goal(s): Incorporate best practices in engagement and outcomes research in family medicine practices.
Role: Project Collaborator

Resetting the Default: Improving provider-patient communication to reduce antibiotic misuse
The goal of this study is to compare the impact of two proven approaches for reducing inappropriate antibiotic use (one that directly targets parent and provider behavior vs. audit-and-feedback that targets provider behavior only) on the quality of parent-provider communication and parental satisfaction.
Role: Co-Investigator

Incorporating Genetics into Patient-Centered Outcomes Research: An Engagement Model for the Autism Research Community
Major goal(s): Develop partnerships with stakeholders to develop and implement an educational model for providing foundational knowledge of PCORI and stimulating interest in the autism genetic research community to engage patients in developing research projects.
Role: Co-Investigator

Increasing HIV Screening in African American Churches
Major Goal(s) a) To test a religiously and culturally-appropriate HIV screening intervention delivered by church leaders using a supportive HIV Tool Kit in African American churches; b) evaluate the role of mediators and moderators related to HIV screening behaviors of church members and community members using church outreach services; and c) conduct a process evaluation to determine intervention exposure, facilitators, barriers, and costs in order to identify essential intervention components.
Role: Project Coordinator

Completed Research Support
Pipeline to Proposal Tier II
Patient Centered Outcomes Research Institute
Engaging Communities in Infectious Diseases Research and Intervention Development
Major goal(s): To develop a Community Coalition Board (CCB) of parents, patients, health care providers, health department representatives, and school leaders to develop and implement interventions to increase HPV vaccinations among children and adolescents.
Role: Co-Investigator

Dr. Jordan Carlson
Ongoing Research Support
Children’s Mercy
Title: Improving Implementation of Classroom Physical Activity Programs
Details: The goal of this study is to investigate how existing classroom physical activity programs can reach a larger number of students and have greater impacts on health. We will assess materials (e.g., teacher training manuals) provided by existing programs, and collect information from end-users (e.g., classroom teachers) on the barriers and facilitators faced when implementing such programs. Funded by the Katharine B. Richardson Award for pilot research at Children’s Mercy.

Aetna Foundation  
Title: Building Collective Health: Community Interventions for Northeast Kansas City  
Details: To evaluate quick build streetscape improvements projects and earn-a-bike programs and health and mode of transportation.  
Role: Evaluator and subcontract PI

1 R03HD088776-01  
Title: Implementation Strategies and Effectiveness for Walking School Bus Programs  
Details: The goal of this study is to use an Implementation Science framework to assess implementation contextual factors and implementation outcomes in existing Walking School Bus programs. In response to PAR-16-237: Dissemination and Implementation Research in Health.  
Amount: $163,380

1 R211CA194492-01  
Title: Ecological Video Analysis for Automated Assessment of Physical Activity (E-VIP)  
Details: The goal of this study is to develop and validate novel video analysis algorithms for automated ecological assessment of physical activity in settings. In response to PAR-12-197: Improving Diet and Physical Activity Assessment.

1 R01DK106209-01  
Title: Neighborhood Environments and Metabolic Health in Hispanics/Latinos  
Details: This ancillary study to the Hispanic Community Health Study/ Study of Latinos aims to investigate built and social neighborhood environment impacts on cardiometabolic health in Latinos. In response to PAR-12-265: Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK.  
Role: Co-Investigator and subcontract PI

Institutional Equipment Grant from the Center for Children’s Healthy Lifestyles and Nutrition (Children’s Mercy Hospital and University of Kansas Medical Center)  
Awardee: Carlson  
Title: Providing accelerometer and global positioning systems (GPS) devices.

L40 HLI120007  
Awardee: Carlson  
Title: NIH Pediatric Research Student Loan Repayment Program (LRP): Advancing Evidence on Built Environments and Physical Activity in Youth, Improving Uptake of Evidence-Based Strategies to Increase Physical Activity in Youth

**Completed Research Support**

R21 CA194492-01  
Title: Ecological Video Analysis for Automated Assessment of Physical Activity (E-VIP)  
Details: The goal of this study is to develop and validate novel video analysis algorithms for automated ecological assessment of physical activity in settings. In response to PAR-12-197: Improving Diet and Physical Activity Assessment.

R01 DK106209-01  
Co-PIs: Allison, Gallo  
Title: Neighborhood Environments and Metabolic Health in Hispanics/Latinos  
Details: This ancillary study to the Hispanic Community Health Study/ Study of Latinos aims to investigate built and social neighborhood environment impacts on cardiometabolic health in Latinos. In
response to PAR-12-265: Ancillary Studies to Major Ongoing Clinical Research Studies to Advance Areas of Scientific Interest within the Mission of the NIDDK.
Role: Co-Investigator

L40 renewal  Awardee: Carlson  7/01/15 - 6/30/17
Title: NIH Pediatric Research Student Loan Repayment Program (LRP): Improving Uptake of Evidence-Based Strategies to Increase Physical Activity in Youth
Details: The goal of this project is to utilize implementation science methodology to investigate sustainable and scalable implementation strategies for supporting youth’s physical activity.

**Proposed Research Support**

R01 DK114513-01  PI: Kerr  4/01/2018 – 3/31/2023
Title: Novel Computational Techniques to Detect the Relationship between Sitting Patterns and Metabolic Syndrome in Existing Cohort Studies
Details: The goal of this study is to develop and apply an algorithm to assess sedentary bout patterns from hip-worn accelerometers across the age span. In response to PAR-12-198: Improving Diet and Physical Activity Assessment.
Role: Co-Investigator and subcontract PI (Scored 7th percentile 10/2017)

1 R03 NICHD  PI: Carlson  7/01/2018 – 6/30/2020
Project Title: The Role of Individual-Level and Environmental Factors in Energy Balance in Adolescents
Details: The goal of this study is to investigate the role of energy expenditure in physical activity, and multi-level factors in relation to energy balance.

**Dr. Delwyn Catley**

**Ongoing Research Support**

Health Care Foundation of GKC, Special Initiatives Grant  CoPIs: Catley, Dai  6/15/17 – 6/14/20
Title: Impacts of Kansas City Area Tobacco 21 Initiative
This 3-year study will determine the impact of the Tobacco 21 Initiative on tobacco acquisition and use among middle and high-school students in Kansas.

Center for Children’s Healthy Lifestyles & Nutrition Pilot Grant  PI: Martin  7/01/17- 6/30/18
Title: Changing Adolescents’ Brain Responses to E-Cigarette Marketing with Media Literacy Intervention
The purpose of the study is to examine whether a brief media literacy intervention results in short-term differential brain activation in reward and cognitive control regions when adolescents view e-cigarette advertisements.

NIH R01 (CA212189)  PI: Cupertino  1/10/17-12/31/21
Title: e-Decidete Mobile Cessation Support for Latino Smokers
The major goals of this study are to evaluate the impact of the culturally accommodated eDecidete program versus standard care on smoking abstinence at Month 6 among Latino smokers; to assess therapeutic alliance, pharmacotherapy utilization, and self-efficacy as mediators of the presumed treatment effect on cotinine-verified 7-day smoking abstinence at Month 6 among Latino smokers; and to conduct a process evaluation that can inform findings and future improvements.
Role: Co-Investigator

American Cancer Society  PI: Martin  7/1/2016-6/30/20
Smoking Cessation and Brain Activation: How Practice Changes the Brain
The objective of the proposed project is to increase understanding of how behavioral treatment relates to our understanding of neurobiological mechanisms of addiction. This study examines the impact of practicing skills typically taught to help smokers quit smoking on activation in reward processing and cognitive control brain regions among current cigarette smokers.
Role: Co-Investigator
NICHD  PI: Miller  1/01/16 – 12/31/20
Enhanced SexHealth intervention to improve adolescent outcomes: A clinical trial
The purpose of this trial is to apply newly obtained knowledge and skills to enhance and test an Emergency Department SexHealth intervention using a randomized trial of intervention versus standard information arm to determine the effect size of rates of health service uptake.
Role: Co-mentor

NIH/NHLBI  PI: Catley  3/15/16-2/28/20
Title: Adapting the Diabetes Prevention Program for a Developing World Context
The purpose of this study is to adapt and test the Diabetes Prevention Program for reducing weight and cardiometabolic risk among individuals with diabetes and cardiovascular disease in a low-income urban community in South Africa. Proposed adaptations to the program include preparing it for delivery by community health workers, enhancing facilitator communications skills training based on principles of Motivational Interviewing, and using interactive text-messaging to support program delivery.

NIH/NCI  PI: Richter  2/01/16-01/31/21
Title: Changing the default for tobacco treatment
The purpose of this study is to test the effectiveness and cost-effectiveness of proactively providing all smokers with evidence-based treatment versus screening for readiness and offering differential treatment based on readiness to quit.
Role: Co-Investigator

NIDDK  PI: Clements, Moore  7/20/15-04/30/18
Title: Type 1 Diabetes TrialNet Clinical Centers
The major goal is to become a Clinical Center for Type 1 Diabetes TrialNet.
Role: Co-Investigator

Completed Grant Support
National Multiple Sclerosis Society  PI: Bruce  10/1/15-9/30/17
Title: Development of a Treatment Decision Model in MS
The major goal of this study is to use probability-discounting principles to develop a measure of MS patients’ preferences related to medication usage based on perceived efficacy and side effects.
Role: Co-Investigator

Dr. Matt Chrisman
UMKC  Co-I: Grimes, Chrisman  3/1/2017 – 3/1/2018
Cycling habits, patterns, and barriers among older adults in a Midwestern metropolitan area.
This project will assess correlates, patterns, and barriers related to cycling in older adults using an online survey

Dr. Mark Clements
Ongoing Research Support
Helmley Charitable Trust  PI: Clements  2/1/2017 – 1/31/2020
Title: Improving T1D care with advanced machine learning
Major goals: Overall, the goal is to leverage advanced machine learning to develop predictive models for clinical outcomes of interest among persons with T1D. Smart risk-stratified lists of patients will be used to drive patient-level and system-level quality improvement interventions in clinical care, with a goal of better matching of interventions to those patients who are most likely to benefit. Collaborators include S Mehta at Joslin Diabetes Center (adult T1D site) and Leonard D’Avolio at Cyft, Inc.

Jaeb Center for Health Research  PI: Clements  4/01/2017 – 3/31/2019
Title: Validating the mealtime insulin bolus score among adults with T1D
Major Goals: To leverage at least 3 T1D Exchange network sites to validate the mealtime insulin bolus score as an objective measure of adherence among adults with T1D.

NIH
Title: Type 1 Diabetes TrialNet Clinical Center (U01)
Major Goals: Creation of a regional clinical trial sub-network for the TrialNet consortium. Will leverage a comprehensive business model for clinical trial management, real-time informatics, and quality improvement methodologies to increase the effectiveness and efficiency of recruitment and retention in TrialNet studies.

NIH
Title: Longitudinal Test of Adherence & Control in Kids New to T1 Diabetes & 5-9 Years Old
Major Goals: Longitudinal study of 120 children, 5-9 years old and newly diagnosed with type 1 diabetes plus qualitative study recruiting 25 families of youth 5-9 years old and newly diagnosed with type 1 diabetes.
Role: Co-Investigator

NIH
Title: An interactive mHealth app for better glycemic control in families of young kids with T1D
Major goals: To build, refine, and pilot feasibility test a tailored diabetes education program for parents of young children. The tailored education program, called DIPPer Academy (Diabetes Information for Parents of Preschoolers) will use an online video-based and interactive micro-lecture format to deliver type 1 diabetes education and behavioral parent training to families of young children.
Role: Co-Investigator

NIH
Title: SPeCTRE: The Sunflower Pediatric Clinical Trials Extension
Major goals: To improve the opportunity for children in rural and underserved areas of Kansas and neighboring states to participate in clinical trials. SPeCTRE will conduct outreach, education, and engagement activities that will extend clinical trials participation opportunities to children in rural and underserved areas of Kansas and eventually neighboring states, which will help to support the development of better care options for children.
Role: Co-Investigator

Completed Research Support
Helmsley Charitable Trust
Title: T1D Exchange Pediatric Vice Chair
Major Goals: To assist the T1D Exchange network and its investigators in the development of new health outcomes and interventional research protocols. To facilitate manuscript working groups and actively develop manuscripts for publication. To participate in the Operations Committee and Steering Committee for the network. 1 year term renewable up to 3 years.
Role: Vice Chair (Service Agreement)
phase of development; and 2) to co-develop the EHR data extraction and data transmission model along with one other site in the collaborative (the Barbara Davis Center).
Role: Site PI

NIH  
PI: Patton  
4/01/2015–3/31/2017
Title: Reducing hypoglycemia fear in parents of young kids with video-based telemmedicine
Major Goals: To evaluate a new group-based telemmedicine intervention (RED CHIP: Reducing Emotional Distress for Childhood Hypoglycemia in Parents), which was designed to reduce parental FH and improve glycemic levels and variability in young children with T1DM.
Role: Co-Investigator

**Dr. Mark Connelly**
**Ongoing Research Support**
NIAMS, R01  
Role: Site PI  
6/2017
Multi-site Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia

**Completed Research Support**
Marion Merrell Dow Clinical Scholar Award  
PI: Connelly, M.
Identifying Migraine Triggers in Children Using SMARTER Methodology

**Dr. Christopher Cushing**
**Ongoing Research Support**
National Eating Disorders Association  
PI: Forbush  
2017 – 2019
Role: Co-Investigator

McMorris Family Foundation  
PI: McCleery  
2017 – 2019
Role: Co-Investigator

Children’s Mercy Kansas City  
PI: Cushing  
2/1/15 – 7/31/18

University of Kansas  
PI: Forbush  
9/1/16 – 3/31/18
Role: Co-Investigator

**Completed Research Support**
NIH/NICHHD Division of Loan Repayment  
PI: Cushing  
2015-2017

Institute for Translational Medicine and Therapeutics, Perelman School of Medicine, University of Pennsylvania.  
PI: Schwartz, L.  
2016 – 2017
Patterns of and Feasibility of Tracking Activity of Adolescent and Young Adult (AYA) Survivors of Childhood Cancer.

**Proposed Research Support**
Co-PI: Cushing, Fedele  
(in review)
ReACT an Adaptive Mobile Health Intervention for Adolescent Asthma. A0 Submitted June 2017 A1 Submitted December 2017
Current Status: A0 scored 40\textsuperscript{th} percentile.

PI: Cushing (funded)

**Dr. Meredith Dreyer-Gillette**
Ongoing Research Support
Healthcare Foundation of Greater Kansas City
KC Obesity Treatment Pilot for Missouri’s Children
Role: Co-I

R01 NR016255

PI: Davis
01/11/17-11/30/21

Rural Disparities in Pediatric Obesity: the momh Intervention
The purpose of this 5 year NIH award is to assess the effectiveness of an e-health family based intervention for tailored for rural families for the treatment of pediatric obesity.
CHLN Co-Investigators: E Nelson, M Dreyer Gillette, D Sullivan (Duplicate listing: Davis)

**Completed Research Support**
Healthy Weight Research Network
PI: Dreyer-Gillette
1/1/2016-12/31/2017

Optimizing Weight Management Intervention for Young Children with Autism Spectrum Disorder

**Dr. Daniel Forsha**
Ongoing Research Support
Sponsor LifeNet Health
PI: Hopkins, Richard
2015-current

A 180-day GLP preclinical safety and performance evaluation of a cryopreserved, decellularized, and extracellular matrix conditioned pulmonary allograft heart valve (MatrACELL-Plus) in the Ovine Model
Role: Co-I

Duke University Medical Center
PI: Forsha
2013-current

Medtronic Fellow Research Grant
Activation delay induced heart failure in congenital heart disease.

**Dr. Elin Grundberg**
Ongoing Research Support
University of Dresden, Germany
PI: Grundberg
2016 - 2019

BMBF-funded EpiTriP consortium, Prof Jochen Hampe

CIHR Team Grant
PI: Grundberg
2017 - 2019

4D Nucleome Transformative Collaborative Project
Accessing chromatin interactions by high-resolution analyses of correlated regulatory element variation

Merck, Sharpe & Dohme Corporation/McGill Faculty of Medicine Grant for Translational Research
PI: Richards
2016 - 2018

Glucose-Independent Mechanisms for Coronary Heart Disease in Type 2 Diabetes: An Epigenetic Study
My role: co-investigator

**Dr. Sarah Hampl**
Ongoing Research Support
American Academy of Family Physicians Foundation
Role: Co-I
2017-2018

FitTastic, an EMR Clinic Decision Tool to Prevent and Reduce Childhood Obesity
Healthcare Foundation of Greater Kansas City  PI: Hampl  2016-2018
KC Obesity Treatment Pilot for Missouri’s Children  (Duplicate listing: Dreyer)

Menorah Legacy Foundation  Role: Co-I  2012-present
Community Partnership for the Zoom to Health Program

**Dr. Cara Hoffart**

**Ongoing Research Support**

R01AR070474 NIH/NIAMS  PI: Kashikar-Zuck  7/1/2016-6/30/2021
Multi-Site Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia  Role: Co-I

**Completed Research Support**

Cross Family Foundation Grant Award  PI: Hoffart  1/2015-12/2017
When Sleep Is a Pain

**Dr. Rusty McCulloh**

**Ongoing Research Support**

NICHD  PI: McCulloh  9/21/2016-8/31/2020
SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension

Courtney Turner Foundation  PI: McCulloh  7/1/2017-6/30/2018
EDSPACE: Electronic Decision Support for Pediatric Acute Care Excellence

Patton Trust, KCALSI  PI: McCulloh  10/1/2015-1/31/2018
Use of multiplex proteomic assays for diagnosis of pediatric genetic diseases

**Completed Research Support**

Katherine Berry Richardson Foundation  PI: McCulloh  4/1/2014-10/31/2017
A national assessment of the microbiology, epidemiology, and resource utilization in infants hospitalized for suspected serious bacterial infection (SBI)

Eva and Kenneth Smith Foundation  PI: McCulloh  7/1/2014-11/30/2017
This is a Clinical Scholar Award for research in medical decision-making, health outcomes, and informatics. It generally supports all aspects of my research platform.

Gerber Foundation Novice Research Award  PI: McCulloh  7/1/2014-9/30/2017
Improving febrile infant diagnosis and treatment (IFIT): A national benchmarking study.

**Dr. Robin Shook**

**Ongoing Research Support**

Marion Merrell Dow Clinical Scholar Award  PI: Shook  9/2017-8/2019

Children’s Mercy Kansas City
Aim: 1) To identify associations between neural, psychological, and hormonal appetite control pathways using subjective and objective measures of appetite and neurocognitive assessments of reward pre-intervention; and 2) To assess the effectiveness of a physical activity intervention on eating behavior in adolescents; OW/OB inactive adolescents will be randomly assigned to a 3-month exercise intervention (Exercise +Newsletter), or a control condition (Newsletter).

Children’s Research Institute Research Development Award  PI: Shook  7/2017-6/2018
Children’s Mercy Kansas City
Aim: 1) To conduct strategic planning to establish a nationally recognized community-engaged research program; and 2) To develop organizational capacity to provide specialized outcome evaluation resources for WI community partners.

International Life Sciences Institute PI: Shook 5/2017-5/2018
Use of technology to assess activity and dietary intake in underserved populations
A novel estimation of energy balance through the calibration of consumer devices in free-living, rural US children
Aim: Validate and calibrate consumer devices to estimate energy balance using gold-standard methods and a Bayesian semi-parametric approach.

Center for Children’s Healthy Lifestyles and Nutrition PI: Shook 5/2017-5/2018
Brain Activity, Physical Activity, Adiposity, and Reward
Aim: To explore the neurocognitive mechanisms of appetite control.
Co-I: Bruce, A.

Center for Children’s Healthy Lifestyles and Nutrition PI: Shook 5/2017-5/2018
Graduate Assistantship in Energy Balance Research
Aim: Quantify variations in metabolic characteristics.

Iowa State University, College of Human Sciences PI: Shook 1/1/2016-12/31/2018
Aim: Develop a collaborative, multidisciplinary group of scientists across Iowa State University that will enhance research related to understanding energy balance.
Co-I’s: Ellingston, Hollis, Lyte

**Proposed Research Support**
The National Institutes of Diabetes and Digestive and Kidney Diseases PI: Shook (under review)
Aim: Quantify appetite regulation using subjective and objective techniques under three conditions: sedentary, insufficiently active, and active.
Current status: Submitted on February 15, 2017
Co-Is: Thyfault, Sullivan (Duplicate listing: Sullivan)

**Dr. Vincent Staggs**

**Ongoing Research Support**
NASPGHAN Foundation Young Investigator Award PI: Shakhnovich 12/15/2017-12/14/2019
The impact of obesity on systemic proton pump inhibitor (PPI) exposure in children and adolescents

U54 HD090258 PI: Leeder 9/1/2016-8/31/2021
Genomic- and ontogeny-linked dose individualization and clinical optimization for kids
Specialized Centers in Research in Pediatric Developmental Pharmacology
Role: Co-investigator

NICHD, R01 HD090981-01 Co-PIs: Wagner, Goggin, Wanyenze 9/23/2016-6/30/2021
Integrating counseling to transform HIV family planning services
Role: Co-investigator

R01 HD076673-04S2 PI: Kessler 9/28/2016-4/30/2018
Supplement to the evaluation of the HITSystem© to improve early infant diagnosis outcomes in Kenya: Piloting at-birth point of care HIV testing strategies in Kenya
Role: Co-Investigator

DP3 DK108211 PI: Patton 9/20/2015-9/19/2019
An interactive mHealth app for better glycemic control in families of young kids with T1D
Role: Co-Investigator  
K23 HD083405-01A1  
PI: Miller  
5/1/2016-4/30/2020  
Enhanced intervention to improve adolescent outcomes: A clinical trial  
Role: Co-Investigator

Marion Merrell Dow Clinical Scholar Award  
PI: Jones  
7/1/2016-6/30/2018  
Characterization of the impact of the low-income young African-American child stress phenotype on asthma  
Role: Co-Investigator

Noah’s Bandage Project Award  
PI: Godwin  
8/15/2016-8/14/2018  
Exosomes as biomarkers of disease and therapy-resistance in Ewing Sarcoma  
Role: Co-Investigator

Completed Research Support

R56 AG051799  
PI: Shorr  
11/1/2016-10/31/2017  
Fall prevention in high- and low-fall hospital nursing units  
Role: Site PI/Co-Investigator

R01 HD072633  
PI: Wagner  
7/18/2012-3/31/2017  
Determinants of use of safer conception strategies among HIV clients in Uganda  
Role: Co-Investigator

KC Area Life Sciences Institute Award  
PI: Nadler  
4/1/2016-3/31/17  
Linking autism screening in primary care to long-term health outcomes  
Role: Co-Investigator

Proposed Research Support

F31 DK116480  
PI: Noser  
1/1/2018-1/1/2020  
Assessment of physical activity and sedentary behavior on glucose in teens with Type 1 diabetes  
Role: Co-sponsor

Dr. Joel Waddell

Ongoing Research Support

Children’s Mercy Hospital Fellowship Research Grant  
PI: Waddell  
10/2017-present  
For support of project “Comparative analysis of antibiotic dosing adequacy and clinical outcomes in osteomyelitis among obese vs healthy weight children.

IDWeek™2017 Trainee Travel Grant  
PI: Waddell  
10/2017  
For support of project “Comparative Analysis of Initial Antibiotic Dosing Among Healthy Weight, Overweight, and Obese Children with Osteomyelitis.

Dr. Dustin Wallace

Completed Research

Cross Foundation Clinical Scholar Award  
PI: Hoffart, C.  
2015-2017  
Sleep Disruption in Children with Chronic Pain  
Role: Co-PI  
(Duplicate listing: Hoffart)

Dr. David White

Ongoing Research Support

Children’s Mercy Kansas City  
PI: White  
2016-present  
The Effect of Physical Activity Bout Patterns on Blood Lipids in Youth: NHANES 2003-2006
Children’s Mercy Kansas City  Role: Co-I  2016-present
Frailty in Children with Cardiac Disease – A Pilot Study

Children’s Mercy Kansas City, Pediatric Heart Network  Role: Site Co-I  2016-present
Fontan Udenafil Exercise Longitudinal Assessment Trial (FUEL)

Children’s Mercy Kansas City  PI: White  2016-present
The Utility of Ratings of Perceived Exertion in Children with an Impaired Heart Rate Response

Children’s Mercy Kansas City  PI: White  2016-present
Parent Perception of Child Weight Status in a Pediatric Preventive Cardiology Clinic

Children’s Mercy Kansas City  2016-present
Correlation of Echocardiographic Measurements to Exercise Parameters in Fontan Patients

Children’s Mercy Hospitals and Clinics  PI: White  2014-present
The Effects of Second-Hand Smoke Exposure on Vasculature in Children with Dyslipidemia

Publications (pulled from CHLN member CV)

Book Chapters


Book Chapters in Press


Waddell J, McCulloh R. “Pertussis”. Ferri’s Clinical Advisor. 2018


Waddell, J. and McCulloh, R. “Pertussis.” From: Ferri’s Clinical Advisor. 2018


*denotes supervision of student-led paper


Received an honorable mention for the 2017 Diane J. Willis award for Outstanding Article in the *Journal of Pediatric Psychology*.


Smith A, **McCulloh RJ**. Mechanisms of haem toxicity of haemolysis and protection by the haem-binding protein, haemopexin. *ISBT Science Series. 2017*(1);12:119-133


*** Selected for APSselect – editor’s choice in December 16 issue of J Appl Physiol


**Manuscripts in Press**

to a traditional family-based pediatric obesity intervention in low-income, minority youth. *Childhood Obesity.*


Tester, JM; Phan, T; Tucker, J; Leung, C; Dreyer, M; Sweeney, B; Kirk, S; Tindall, A; Olivo-Marston, S; Eneli, I. (2017, in press) Characteristics of Children 2-5 Years of Age with Severe Obesity. *Pediatrics.*

**Manuscripts Submitted**


Pierce AN, Eller-Smith OC, Christianson JA. Voluntary wheel running attenuates urinary bladder hypersensitivity and dysfunction following neonatal maternal separation in female mice. In revision at Neurourology and Urodynamics.


Halpin, K., Demographics, social circumstances, and features of insulin resistance in Midwestern youth. Manuscript submitted. 2017

Halpin, K., Hormonal and genetic profiles in disorders of sex development (DSD) and gender dysphoria. Manuscript preparation. 2017


ATA Workgroup, Nelson, E., Ryan Haight in Clinical Practice. JTIBS. Under review.


Salley, B. Infant attention as a predictor of preverbal communication. (in preparation).


*Loke, S. W., **Lockwood, A., Smith, C. & Salley, B. Sex differences in behavioral profiles between children with and without ASD. (in preparation).


Published Abstracts

Ryan Akin, Daniel Heruth, Shui Qing Ye, Jay M. Portnoy, Christine E. Ciaccio, Min Xiong, and Charles S. Barnes. House Dust Bacterial Microbiome in Smoking and Pet Owning Homes. Journal of Allergy and Clinical Immunology, 2017 Vol. 139, Issue 2, AB272

Angela R. Lemons, Charles S. Barnes, Brett J. Green. Comparative Analysis of Sanger and Illumina Miseq Sequencing for Determining Indoor Fungal Diversity. Journal of Allergy and Clinical Immunology, 2017 Vol. 139, Issue 2, AB274

Hani Hadi, Kevin Kennedy, Charles S. Barnes, and Marcia A. Chan. An Association Between Indoor Fungal Spore Count, Ethnicity and Socioeconomic Status in Children with Asthma. Journal of Allergy and Clinical Immunology, 2017 Vol. 139, Issue 2, AB275


**Posters/Presentations**

Beck, A. Weight bias in the pediatric healthcare setting. (2017, October). Invited oral presentation at the Medical Aspects annual conference sponsored by Missouri Children’s Division, Kansas City, MO.


Beck, A. “Weight bias in the pediatric healthcare setting.” (2017, August). Invited oral presentation at the CM Equity and Diversity Lunch and Learn series (offers CEUs to the local professional healthcare community), Kansas City, MO.


Beck, A. “Caregiver wellness.” (2017, August). Co-presenters, Briana Woods-Jaeger, PhD, Chris Sexton, PhD, & Beth Woodford, RN, MSN, APRN, CPNP-PC, C-IAYT, RYT-500. Invited professional training at St. Mark’s United Inner City Services, Kansas City, MO.


Befort, C. (2017, May). Patient and provider engagement in community research. Invited oral presentation at University of Memphis meeting Rural Cancer Control; Challenges and Opportunities, Memphis, TN.


Befort, C. Implementing behavioral obesity treatment in rural primary care: The RE-POWER comparative effectiveness trial. Also oral presentation at the Society of Behavioral Medicine, San Diego, CA (2017, March).


*denotes student author


†denotes published abstract
Oral and invited presentations are underlined


DeSalvo D, Miller K, Hermann J, Maahs D, Hofer S, Clements M, Lilenthal E, Sherr J, Tauschmann M, Holl R for the T1D Exchange and DPV Registries. The Continuous Glucose Monitoring (CGM) and Glycemic Control Among Youth with Type 1 Diabetes (T1D): International comparison from the T1D Exchange (T1DX) and the DPV Initiative. Oral presentation, 43rd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Innsbruck, Austria, October 18-21, 2017. *To be presented by M Clements.*


Dietary quality, nutrition, and healthy eating knowledge measured by the Youth Adolescent Questionnaire and the revised NutriCarb Quiz in youth with type 1 diabetes. Poster, Midwest Society for Pediatric Research Annual Meeting, Chicago, IL September 22-23, 2016.


“Listening” to the stories that Big Data Tell: Using Type 1 Diabetes Data Past and Present, 04/26/17, Stanford University, Palo Alto, CA

Predictive analytics in pediatric type 1 diabetes, 05/21/17, Icahn School of Medicine, Mount Sinai, New York City, NY

Mobile Technologies for Data Collection, American Diabetes Association 77th Scientific Sessions, San Diego, CA, 6/917

Type 1 diabetes care in children, 5/28/17, Zhengzhou Children’s Hospital, Zhengzhou, China

“Listening” to the stories that Big Data Tell: Using Type 1 Diabetes Data Past and Present, 5/31/17, Zhengzhou Children’s Hospital, Zhengzhou, China

“Listening” to the stories that Big Data Tell: Using Type 1 Diabetes Data Past and Present, 6/04/17, The Third Xiangya Hospital of Central South University, Changsha, China

Multiple Daily Injection (MDI) Basics, 03/29/17; Fourth Annual Endocrine Fellows Series: Type 1 Diabetes Care and Management Program Conference, Orlando, FL

Toward improving the system of pediatric migraine care in the community through targeted education and technology: the HAPPY project. Poster presented at the 46th Annual Meeting of the Child Neurology Society, Kansas City, MO, October 4-7, 2017.


Davis, A. (February 2017). Assessment of readiness for initiating the wean and psychological aspects of the weaning process. In “Tube in or tube out: Practical points to think about,” podium session presented at Clinical Nutrition Week 2017, the annual meeting of the American Society of Parenteral and Enteral Nutrition, Orlando, FL.

Tripicchio, GL, Dean, K, Befort, C, Davis, AM. (March 2017). Strategies to improve recruitment, retention, and outcomes in a culturally tailored pediatric obesity intervention. In “Culturally responsive assessments and interventions to address pediatric obesity: A collaborative symposium of the diversity and obesity SIGs.” Podium session presented at the Society of Pediatric Psychology Annual Conference, Portland, OR.


Lopez M, Davis AM, Warren MB, Clements M, McCulloh RJ. Provider-reported barriers to pediatric clinical trials participation in Kansas. Poster presented at the Academic Pediatric Association Region 6 Meeting 2017, September 8-9; Omaha, NE.


Doss, H. Obesity, Dec 2017, Continuity Care Clinic Lecture, Children's Mercy Hospitals and Clinics, Kansas City, MO.


Cadieux, A., Dreyer Gillette, M., Sallinen Gaffka, B., Shaffer, L., & Sweeney, B. (October, 2017). One size doesn’t fit all: Practical and Ethical considerations in adapting evidenced based weight management interventions for children with disabilities. Concurrent session presented at the meeting of the Society of Developmental and Behavioral Pediatrics, Cleveland, OH.


Grundberg, E. 7th International Workshop on Genomic Epidemiology, Sept 2017, Barcelona, Spain [INVITED]


**Hampl SE** (2017). Introduction to Childhood Obesity and PCP Resources. Project ECHO TeleECHO clinic presentation for Children’s Hospital and Medical Center, Omaha, NE.


**Hoffart, C.** *Chronic Pain in Pediatrics Panel*. Kansas AAP Chapter. Lawrence, KS. 04/2018. [Anticipated]

**Hoffart, C.** *Chronic pain in children*. Pain Out Loud video podcast with Melissa Cady, DO. 12/11/17

**Hoffart, C.** *Inflammation or Pain: Common complaint or room for Rheum*. Society for Pediatric Urgent Care, Seattle, WA. 10/2017

**Hoffart, C.** *For these teens, the only way to overcome pain is to face it*. WHYY The Pulse Podcast & Web article with Elana Gordon. 10/27/17.

**Hull, H.** Interventions to prevent excessive gestational weight gain. Presented to the Center for Healthy Lifestyles and Nutrition, March 24, 2017, Kansas City, MO.

**Hull, H.** Eating a rainbow colored diet. Presented to the Mission Trail Elementary School, April 13th, 2017, Leawood, KS.
**Hull, H.** Consumption of a high dietary fiber diet to prevent excessive gestational weight gain. Presented at the KUMC Faculty Research Day, November 8th, 2017, Kansas City, KS.


Durden J, Williams D, **McCulloh RJ.** (2017, September) Incomplete vs. Complete Testing for HSV in Febrile Neonates. Poster presented at the Academic Pediatric Association Region 6 Meeting, Omaha, NE.

Lopez M, **Davis AM,** Warren MB, Clements M, McCulloh RJ. (2017, September) Provider-reported barriers to pediatric clinical trials participation in Kansas. Poster presented at the Academic Pediatric Association Region 6 Meeting, Omaha, NE.


Yin DE, Adbel-Rahman S, Van Haandel L, **McCulloh RJ,** Steinbach WJ, Leeder JS. (2017, June) Variability of Posaconazole Pharmacokinetics in Children following Intravenous Administration. Oral presentation at ASM Microbe 2017, the combined American Society for Microbiology General Meeting and Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA.


Doan S, DePorre A, **McCulloh R.** (2017, May) Characteristics and clinical outcomes of young febrile infants with EV and RSV infection re-evaluated within 14 days of ED or hospital discharge. Poster presented at the Pediatric Academic Societies (PAS), San Francisco, CA.


Thyfault, JP “Exercise, Fitness, and Hepatic Mitochondrial Energetics. Symposium Title: Cellular energy basis as a basis for metabolic (Dys)Regulation.” The American Diabetes Association Annual Meeting: San Diego, CA, June 12, 2017


Wallace, D.P. Understanding and Addressing Psychosocial Factors in Teens with Amplified Pain. April, 2017 Invited workshop, Therapeutic Management of Amplified Pain Syndromes. Children’s Mercy Hospital, Kansas City, MO


Background

Mission

The Center for Children’s Healthy Lifestyles & Nutrition seeks to become a leading voice in the local, regional and national movement to prevent and treat childhood obesity and to focus on all issues related to pediatric health and healthy lifestyles. Our primary goal is to contribute new knowledge regarding pediatric healthy lifestyles ranging in scope from its biological origins to its societal impact. Research currently conducted in the Center includes evidence-based, comprehensive studies of the assessment of behavior, nutrition and physical activity interventions on prevention and treatment of pediatric obesity, the study of parenting aspects of the control of Type I Diabetes in youth, the development and analysis of public policy pertaining to pediatric obesity, the development of programs to engage communities, and the provision of leadership regarding education related to prevention and treatment of healthy lifestyles in children and families. We are committed to reaching all children in our area, especially those in underserved, ethnic minority, low-income communities, and in assisting others to do so.

Kansas City's Center for Children’s Healthy Lifestyles & Nutrition represents an extension of the committed collaboration in the area of pediatric obesity research between two neighboring institutions who serve the health needs of children across the bi-state region of Missouri and Kansas. Supported by a state-of-the-art facility, team members at the University of Kansas Medical Center and the Children’s Mercy Hospital as well as other local institutions come together to work on solving some of the most important health problems facing children and families in our region. The Center is poised to serve as a leader for healthy lifestyles programs and research efforts in the Midwest and as a centralized resource for community members, academic and business leaders who are interested in arresting the current rates of childhood obesity and moving forward to ensure the healthy lifestyles and nutrition of all children.
The Center for Children’s Healthy Lifestyles & Nutrition is located at 610 E 22nd Street in Kansas City, Missouri at the Donald Chisholm Center. It is a 14,000 square foot facility designed to support clinical and bench research, individual clinical and group educational interventions and house faculty and research staff. The Center’s 800 square foot demonstration kitchen features four prep stations, each with a GE Profile refrigerator and microwave. The kitchen contains four oven/stove/exhaust hood combinations and two dishwashers. The 500 square foot wet lab features extensive countertop space, an exhaust hood and a -80 degree freezer. Testing rooms contain an indirect calorimeter, treadmill and DEXA. Clinical exam rooms and a waiting room are also available. The Center’s 2400 square foot exercise facility features treadmills, stationary bicycles, elliptical trainers and weight machines, and has a large area for group physical activity. Locker rooms, showers and laundry facilities are also available. The Center provides conference room facilities for 10-50 attendees, and a second room that can seat up to 50.

The Center for Children’s Healthy Lifestyles & Nutrition is composed of 5 key program areas: Education, Research, Advocacy, Community and Clinical.

ADVISORY COMMITTEES: The Center has two administrative committees. Our Internal Advisory Board (assigned by the Dean and the CEO of CMH in the legal agreement that forms the Center) includes Dr. Denise Dowd (Associate Medical Director of Faculty Development, Office of Faculty Development, CMH; Director of Research, Emergency Medicine, CMH; Professor of Pediatrics, UMKC) and Dr. Peter Smith (Professor, Senior Associate Dean for Research; Co-Director, Kansas Intellectual and Developmental Disabilities Research Center Founding Director, Institute for Neurological Disorders, Department of Molecular and Integrative Physiology, KUMC). On the Children’s Mercy side the Center reports to Dr. Kathy Goggin (Ernest L. Glasscock, MD, Endowed Chair in Pediatric Education and Research; Deputy Director, Children’s Research Institute; Associate Chair for Research, Department of Pediatrics; Director of Health Services and Outcomes Research; Children’s Mercy Kansas City and Professor, SOM and Pharmacy, UMKC) who is also extremely helpful in our work.

Our Scientific Advisory Board (which was formed in 2015 per our 5 year plan for the CHLN) is composed of 3 national experts in our field from clinical, basic and translational work. They participate in two annual meetings with our team (one in person and one virtual) and consult with our teams throughout the year on specific projects. SAB members include:

**Sean Adams, PhD**  
Director, Department of Pediatrics  
Section of Developmental Nutrition  
University of Arkansas for Medical Sciences  
The Arkansas Children’s Nutrition Center, a partnership of the Arkansas Children’s Hospital and the USDA-Agricultural Research Service, is a translational research center that studies child development, especially the very early effects of diet and lifestyle on prevention of childhood diseases and adult diseases that initiate early in life. Dr. Adams’ research interests are in the area of metabolic physiology.
Katherine K. Christoffel, MD, MPH  
Professor Emeritus in Pediatrics-Smith Child Health Research  
Northwestern University Feinberg School of Medicine  
Dr. Christoffel’s current research interests lie in 1) understanding the relationship between community factors and clinical ones, particularly related to childhood obesity; 2) early origins of childhood obesity; 3) means to intervene to reduce obesity and its co-morbidities in young children; 4) the effects of community based interventions on obesity prevalence and health behaviors.

Denise Wilfley, PhD  
Professor, Depts. of Psychiatry, Medicine, Pediatrics and Psychology  
Washington University in St. Louis  
Dr. Wilfley’s program of research centers on the causes, prevention, and treatment of eating disorders and obesity among children, adolescents, and adults. Current programs of research include: (1) the classification, characterization, assessment, and risk factors of eating and weight disorders; (2) the development of effective treatments for individuals suffering from eating disorders and obesity; and (3) the development of innovative and cost-effective methods for early intervention and prevention of eating disorders and obesity.