Background

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. As a research center, our primary goal is to contribute new knowledge regarding pediatric obesity and nutrition 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, 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 obesity prevention and treatment. Future directions for research will include relevant genomics pertaining to obesity and its association with secondary disease processes and the impact of chronic over- and under-nutrition on drug disposition and action. 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, researchers at the University of Kansas Medical Center and the Children’s Mercy Hospital lead a wide range of childhood obesity treatment and prevention initiatives designed to benefit children, families and communities. The Center is poised to serve as a leader for pediatric obesity research 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.

Facilities

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. Dr. Meredith Dreyer Gillette is currently the lead of our Education area and receives 10% time from CMH to fulfill this role. Dr. Drs. Susana Patton and John Thyfault lead our Research area, and receive funding of 10% time for this role. Dr. Sarah Hampl is head of our Advocacy area and receives 10% time from CMH to fulfill this role. Dr. Jordan Carlson is Director of Community Based Health Research, and receives 10% time to fulfill this role. Dr. Brooke Sweeney is Medical Director of the Center, receives 30% time for this role, and in this capacity also serves as the lead of our Clinical efforts on the CMH side. Over time, we hope to add in another Research lead or two from CMH, to more equally balance our leadership across KUMC and CMH. We also have three full time administrative assistants (Renee Van Erp – CMH/KUMC; Ana Garcia – CMH; Jennifer Oakley – CMH) and managers (Debra Schlobohm – KUMC; Royce Tenney – CMH) assigned to help us with our needs. We have a full time nurse manager on the CMH side who is very active with our programs (Venise Mobley) as well as many staff who work in the clinical and community programs at KUMC and CMH that are part of the Center (social workers, dietitians, psychologists, nurse practitioners, education coordinators). There are two full time Clinical Trials Coordinators assigned to the Center who help us to meet the IRB, HIPAA and other clinical research needs of our team on both the KUMC and CMH side of our unit (Kelsey Dean and Amy Papa). A list of all CHLN members is available at the end of this document.

**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).

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 comorbidities 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.

EDUCATION (provided by Dr. Dreyer Gillette)

In 2016, the CHLN has worked to increase the educational offerings available to students, faculty, and staff. We have 2 monthly offerings for Center members that serve to highlight new research, clinical, community, or advocacy opportunities for collaboration, or didactic presentations. We have been able to partner with our colleagues to bring in nationally recognized experts in the field of obesity research and treatment as part of the Grand Rounds series or other annual research events. For example, Dr. Ihuoma Eneli spoke as part of Grand Rounds, Dr. Sandra Hassink as part of the Kansas AAP meeting and also at the CHLN, and Dr. Bonnie Spring was the plenary speaker for the KUMC Faculty Research Day. Annually, the CHLN hosts an endowed lecture series, and this year, our Kemper Family Healthy Lifestyles speaker was Dr. Teresa Nicklaus who gave Grand Rounds as well as met with several CHLN faculty and students and gave a smaller talk to the center team. Her Grand Rounds was entitled “Breakfast Consumption: Nutrient Intake, Diet Quality, Body Weight & Neuropsychological Functioning.” New this year, we were asked to sponsor one-half day of the University of Kansas Obesity Conference, which we assisted with planning.
the programming for the pediatric focused half day. We invited Dr. Richard Fleming as the pediatric keynote to present “Family Interventions for Adolescents with Intellectual Disabilities”. He also provided consultation to our team regarding grant applications. Our CHLN faculty contribute to or co-chair several working groups to foster cross-site collaborations regarding translational science and neurodevelopmental disabilities research.

This year, the number of students who are participating in monthly, semester, and year-long experiences at the CHLN has increased dramatically. Trainees participate in clinical, research, and clinical/advocacy experiences at the CHLN, with many students engaging in more than one type of experience at a time. Last year, our students presented their research at local, regional, and national conferences. The CHLN added a student travel grant award to assist students in presenting their important work at regional and national conferences. Our students assisted in writing manuscripts and grant applications. These efforts are highlighted in our presentations and publications section. Of note, graduate students were the primary author on 17 publications in 2016. Finally, the efforts of our students were highlighted nationally for their posters, with awards from the Obesity Special Interest group of the Society of Pediatric Psychology and The Obesity Society.

**RESEARCH (provided by Drs. Susana Patton and John Thyfault)**

This has been a year of new developments in the Research Core of the Center for Children’s Healthy Lifestyles and Nutrition (Center). At the forefront is the appointment of two new Scientific Directors: Dr. John Thyfault and Dr. Susana Patton. Dr. Thyfault is an exercise physiologist. He brings experience in studying metabolism and obesity and can provide oversight and mentoring to our growing basic science faculty. Dr. Patton is a pediatric psychologist. She brings experience in behavioral medicine and clinical trials research and can mentor the clinical science faculty in the Center. The Center has attracted nine new faculty members in 2016, three of whom have a track record for externally-funded basic science research and the remaining have a record of funded clinical research. The new faculty members have research programs that closely align with the Center’s mission and present new opportunities for collaboration among faculty in truly translational research programs from bench to bedside to community dissemination. This last year, the Center awarded a pilot grant award ($33,000) to Dr. Matt Morris, to study the role of hepatic mitochondrial function in adolescent acute high-fat diet induced weight gain, thereby expanding our portfolio for basic science research. Dr. Morris was also able to translate some of his work from this pilot project into a K01 application, which was competitively scored. In September 2016, the Center hosted the Second Annual Kemper Healthy Lifestyles Lecture. Our speaker this year was Dr. Theresa Nicklas, from the Children’s Nutrition Research Center at Baylor College of Medicine. Dr. Nicklas is world-renowned for her research in childhood nutrition and the food environment. For the Kemper lecture, she presented on “Breakfast Consumption: Nutrient Intake, Diet Quality, Body Weight, and Neuropsychological Functioning in Children” and “busted” the common myth that children will perform better after consuming a good breakfast.
In 2016, we have been exploring what makes the Center truly unique and how to capitalize on our individual expertise to build novel opportunities for clinical research. What largely ties our interests together is our passion for teaching families how to help their child achieve a healthy lifestyle to reduce the child’s risk for overweight/obesity, injury/pain, or a chronic disease (e.g., diabetes). Our treatment pathways focus on nutrition, physical activity, behavioral, and psychological strategies. Through strategic planning, we have identified several grant mechanisms that can promote collaboration among Center members. Drs. Davis and Clements are Co-Investigator's on a National Institutes of Health grant supporting the Sunflower Pediatric Clinical Trials Research Extension. Dr. Davis brings to this grant her expertise in clinical trial design and execution, while Dr. Clements brings his skill and experience in health related data collection and analytics. Dr. Dreyer-Gillette is a Co-Investigator for Dr. Davis’ new R01 project testing a school-based weight management intervention for rural students. Drs. Thyfault, Clements, and Patton are co-mentoring a graduate research assistant’s F31 Career Development application to study physical activity and glycemic variability in adolescents with type 1 diabetes. Finally, several Center members (Drs. Bruce, Carlson, Davis, Morris, Shook, Sullivan, and Thyfault) have collaborated to design and write an American Heart Association Strategically Focused Research Network Grant.

Our Center members have also continued to promote the Center through presentations at national and international meetings and publications (see presentations/publications for a complete list). Some notable publications include Dr. Amanda Bruce’s publication in Nature Communications (2015 Impact factor: 11.329) and Dr. Matt Morris and Dr. John Thyfault’s publication in the American Journal of Physiology, Endocrinology, and Metabolism (2014 Impact factor: 3.785), which was also selected for the American Physiological Society Select Award.

Finally, in line with the mission of the Core to facilitate research within the Center, Drs. Davis, Patton, and Thyfault have spent 2016 designing and updating procedures for involving Graduate Research Assistants in faculty research, the time and effort of our Clinical Trial Coordinators, and the purchase and sharing of Center equipment.

ADVOCACY (provided by Dr. Sarah Hampl)

In 2016, Center members were active in local, state and national organizations. For example, Dr. Kelly Kreisler was a member of the Community Health Council of Wyandotte County, and she and Dr. Meredith Dreyer Gillette served on the Board of Directors for the Project Eagle Governance Board. Dr. Ann Davis assumed the Presidency of the Society of Pediatric Psychology of the American Psychological Association. In addition to membership and leadership in local, state and national professional organizations, Center members advocated for children with obesity in a variety of different settings. One example of this advocacy was leadership provided by Drs. Sarah Hampl, Brooke Sweeney and Amy Beck within a hospital-wide taskforce to improve the safety and quality of the Children’s Mercy experience for inpatients and outpatients with severe obesity and their families. Major initiatives of this taskforce include creation and implementation of action plans in response to a hospital-wide
failure-mode-effects analysis related to patient safety (e.g., safe patient handling, medication dosing), accurate diagnostics (e.g., imaging, blood pressure cuffs) and comfort (e.g. adequately sized equipment, gowns, seating), and planning for hospital-wide weight bias/sensitivity training. In another example, Drs. Hampl, Beck, Sweeney and Dreyer Gillette partnered with the CMH child protection clinic, Jackson County Children’s Division and Jackson County Family Court to identify needed supports, define training needs and develop recommendations on management of cases in which medical neglect is suspected. A third example is work by Drs. Davis, Dreyer Gillette and Hampl with Dr. Denise Wilfley and colleagues at Washington University School of Medicine to aid MO Medicaid in their creation of rules and regulations to enable activation of payment for family-based behavioral therapy and medical nutrition therapy for children ages 5-19 with obesity.

COMMUNITY (provided by Drs. Jordan Carlson and Robin Shook)

Community activities in 2016 included a new faculty hire, development of a strategic plan to guide areas of focus, continuation of existing grant-funded projects, and a two new NIH grant applications. The new faculty member, Dr. Robin Shook, is Director of Weighing In and Co-Director of Community along with Dr. Jordan Carlson who was hired in 2015. The strategic plan was developed with input from the external scientific advisory board. The plan covered six focus areas: Cross-Sector Coalition Support; Schools and Early Childhood; Neighborhoods, Parks, and Other Community Settings; Health Care; Measurement and Evaluation Tools; and Energy Balance. One to three upcoming grant applications was prioritized in each area. Dr. Carlson is PI on an existing NIH R21 in the Measurement and Evaluation Tool Focus Area, and Co-Investigator on an NIH R01 in the Neighborhoods, Parks, and Other Community Settings Focus Area. Dr. Carlson is PI on an NIH R03 application in the Schools and Early Childhood Focus Area that was submitted in 2016 and anticipated to start in 2017. Dr. Carlson was Co-Investigator on and NIH R01 in the Measurement and Evaluation Tool Focus Area that was submitted in late 2016. Dr. Shook is PI on a pilot project in the Energy Balance Focus Area. Dr. Shook also applied for and received cost extensions on two grants in the Cross-Sector Coalition Support and Neighborhoods, Parks, and Other Community Settings Focus Areas. Drs. Carlson and Shook (the two faculty members who comprise the Community Circle) had 18 publications and several conference presentations in 2016.

2016 Health Fairs Summary

<table>
<thead>
<tr>
<th>Year</th>
<th>Total # of requests</th>
<th>Materials only</th>
<th>Declined events</th>
<th>Staffed events</th>
<th>WM staff time</th>
<th>Nursing staff time</th>
<th>Reach</th>
<th>Coordinator time</th>
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<td>2015</td>
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<td>4</td>
<td>24</td>
<td>121.7</td>
<td>n/a</td>
<td>3753</td>
<td>n/a</td>
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</table>
To summarize the table, there has been a significant uptick in event requests, staffing, and persons reached over the past year. One event, Mattie Rhodes health fair on November 3, 2016, had to be declined due to lack of staff availability; three others were declined as they were not good fits for The Center, i.e. Celebrities Fighting AIDS Softball game. Toward the end of the year it became increasingly difficult to find people to staff events.

At events, Weight Management or CMH nursing staff are given one of the ten activity kits, which include 12345 Fit-Tastic! handouts, general Center program information, the Center tablecloth, giveaways (if available), and an activity for the event attendees to participate in. Approximately, $238.50 was spent on health fairs, specifically for the bags the kits are in and the plastic 12345 Fit-Tastic! water cups. Though health fair coordination accounts for .1 FTE, it is not currently a permanent part of anyone’s position.

Weighing In (WI), a program of the Center, leads community collaboration to prevent and reduce childhood obesity. WI seeks to influence and align efforts of multiple sectors of the Greater Kansas City community so children and their families can enjoy healthy eating and active living. WI Provides opportunities to learn about research, prevention programs, policies and resources related to childhood obesity prevention and treatment and offers networking opportunities through quarterly meetings. In addition, WI supports community working groups focusing on specific issues, such as school wellness policies, early childhood, and consistent community messaging through the Healthy Lifestyles Initiative.

The Healthy Lifestyles Initiative (HLI) engages partners across three sectors (health care, government, community) using a framework to develop strategies and align resources to prevent and reduce obesity.

In 2016, we added 111 new HLI partners, bringing the total to 294 partners. The collective reach of our 294 partners is over 3 million children and families. In 2016, we engaged in opportunities to train trainers to provide support for community organizations partnering with the Healthy Lifestyle Initiative. We trained professionals on the HLI framework from various sectors of the community including physical education teachers, Local Public Health Agencies (LPHA) and District Nurse Consultants through the Missouri Department of Health and Senior Services (MODHSS), staff supporting primary care clinics in both Kansas and Missouri, as well as pharmacy students from
the University of Missouri Kansas City. We continue to work to increase linkages across our various partner organizations.

CLINICAL (provided by Dr. Brooke Sweeney)

We had more than 2000 clinical visits in 2016 between Healthy Hawks, PHIT Kids, Special Needs, and High Risk Weight Management Clinics. We added 2 new physicians this summer, Dr. Heather Doss and Dr. Katie McAnany, and oriented a new social worker and nurse, and two new dietitians in 2016. With these changes and additional efficiencies, we were able to significantly decrease our wait time for new patients wanting to access our services from three months to one month. We now have three of our 6 providers as certified Obesity Medicine Specialists through the American Board of Obesity Medicine. Dr. Brooke Sweeney has a leadership role in the American Board of Obesity Medicine and has contributed to questions writing, exam form development and job task analysis to develop the content requirements for the exam.

Our group clinical services have had a vibrant year with 180 patients and 1190 visits in 2016. The ZOOM to Health group had 67 families participate and served 1130 meals during the year. Healthy Hawks served 59 children with 370 visits and PHIT Kids group served 54 children with 444 visits. This year the PHIT Kids program changed the length of the program from 18 to 12 weeks and intensified the nutrition intervention.

We participate in POWER (Pediatric Obesity Weight Evaluation Registry) with 30 other multidisciplinary Stage 3 weight management programs across the country. We have a total of 6248 patents in the registry, and the CMH site has contributed 558 patients. Our clinical weight management outcomes mirror those seen across the country in POWER sites with a median BMIz score change of -0.04 over 4-6 months with a median of 2 visits, and -0.05 over 7-9 months with a median of 3 visits. Through knowledge-sharing and mentorship in POWER, we have begun offering Pharmacotherapy for weight loss to children in our Special Needs and High Risk clinical programs. We now have approximately 40 children on medication specifically for weight loss and have seen excellent results in these cases, many of whom have a secondary diagnosis or are on a medication that induces weight gain such as an atypical antipsychotic. Currently we are leading a project to look at the experience and outcomes of children in the POWER Registry with a special needs diagnosis.

The children who receive services in our weight management programs have severe obesity, and 82% present with at least 1 comorbidity related to their obesity: 32% have prediabetes, 1% have diabetes, 3% have Obstructive Sleep Apnea, 8% have increased total cholesterol, 34% have hypertriglyceridemia, and 22% have elevated liver enzymes. Psychological comorbidities are also common on presentation with a prevalence of xx percent. 35.5 percent of children seen in clinic have severe obesity Class 3, which correlates with an adult BMI of 40 or greater, a level qualifying for bariatric surgery. Due to the severity of obesity children are experiencing and the improving safety and outcome data for surgery, we are currently working to further expand our weight management offerings to include bariatric surgery in 2017. We have also greatly
expanded our telemedicine services throughout weight management, adding physician and psychology visits to dietitian visits as options for patients via telemedicine. We have 3 sites in MO and we plan to expand our telemedicine offerings in 2017.

**Faculty/Staff**

**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. 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. 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. 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. Leon Greene is a faculty member in the Health, Sport, and Exercise Sciences Department at the University of Kansas. During the last 10 years, he has been involved with research projects involving school age children that studied nutrition and physical activity intervention programs as well as examining the relationship of physical activity to academic achievement. He has trained a number of educators on how to use physical activity to deliver academic lessons.

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. Christina Hester is Assistant Director for Research, Residency Program, Department of Family Medicine, at the University of Kansas Medical Center. 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. 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. Lauren Little of the University of Kansas Medical Center conducts research with families of children with autism spectrum disorder (ASD). Her work investigates the effectiveness of innovative service delivery models as well as the neural and physiological correlates of eating behavior in ASD.
Dr. Jennifer Lundgren is chair of the Psychology Department and director of the Eating, Sleep and Circadium Rhythm Laboratory at the University of Missouri – Kansas City. Her primary area of research is on night eating syndrome (NES). She is currently collaborating on a longitudinal family study of NES among children and parents enrolled in QUALITY (QUebec Adiposity and Lifestyle InvesTigation in Youth), a study on the prevention of cardiovascular disease and type 2 diabetes in children and adolescents.

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. 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.

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.

Graduate Research Staff

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.

Ali Calkins is a doctoral student in the Clinical Health Psychology program at the University of Kansas. Her primary research interest is in the area of adherence in chronic pediatric health conditions. More specifically, she is interested in what levels of adherence are necessary to achieve positive health outcomes in chronically ill youth. Ali is currently working on projects related to adherence and health outcomes in youth with type 1 diabetes as well as treatments for parents of young children with type 1 diabetes.

Andrea Garcia 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 as well as the treatment and prevention of childhood obesity in children with neurodevelopmental disorders. Specifically, she is interested in dietary behaviors that impact the present and long-term health in children with special needs. Andrea is currently working on projects examining predictors’ dietary behaviors, diet variation and weight related outcomes.

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.

Tarrah Mitchell is a doctoral student in the Clinical Child Psychology Program at the University of Kansas. Broadly, her research interests include physical and psychological health promotion in youth, with particular attention to the integration of psychological and social predictors of physical activity and appetitive processes. Tarrah is currently working on projects examining physical activity, sedentary behavior, and health-related quality of life 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.

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.

Ashleigh Pona is a doctoral candidate in the Clinical Health Psychology program at the University of Missouri–Kansas City. Broadly, her research interests encompass the interplay among weight, disordered eating, and body image, with specific interests in the treatment of eating and weight-related health behaviors. Ashleigh is currently working on projects examining outcomes of and predictors of success in family-based behavioral interventions for pediatric weight management.

**Staff**

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Administrative Assistant III
Jennifer Oakley
jroakley@cmh.edu
Faculty Grant Support (pulled from CHLN member CV)  
January 1, 2016 – December 31, 2016

KUMC Members

Dr. Amanda Bruce  
**Ongoing Research Support**
National MS Society  
Bruce, JM (PI)  
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  
Burgert, T (PI)  
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

**Completed Research Support**
School of Health Professions  
Little, L (PI)  
6/15-12/16

*Mechanisms of attention associated with food motivation in autism*
The study utilizes eye-tracking to determine differences between typically developing children and children with autism spectrum disorder in attention to food cues and logos.
Role: Co-Investigator

Center for Children’s Healthy Lifestyles & Nutrition  
Randell,K (PI)  
6/15-12/16

*Parent and child adverse childhood experiences in overweight and obese children*
This study examines prevalence of child and parent adverse childhood experiences, and the relation between overweight/obesity and adverse childhood experiences.
Role: Co-Investigator

**Proposed Research Support**
NIH R01  
Davis AM (PI)  
Submitted 2/17

*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  
Bruce AS (PI)  
Resubmit 6/17

*Neurophysiological 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.

NIH R21  
Gibbs (PI)  
Resubmit 6/17

*Choosing Healthy fOod, Observing uSe and mEdiators of (CHOOSE) nutrition literacy*
The goal of this project is to examine the factors involved in food choices and nutrition education.
The goal of this project is to assess whether an intervention based on cognitive-behavioral and motivational interviewing principles can impact multiple sclerosis patients’ adherence to disease modifying therapies.

**Dr. Julie Christianson**

**Ongoing Research Support**

PI: Christianson  
NIH RO1  
8/2014 - 4/2019  
Effect of neonatal and adult stress on pelvic pain disorders and comorbidity

PI: Christianson  
NIH R01  
9/2014 – 7/2019  
Comorbid mood and urogenital disorders in mice following neonatal maternal separation

PI: Wright  
NIH R01  
8/2015 – 7/2020  
Painful versus insensate diabetic neuropathy

**Submitted Research Support**

PI: Nothnick  
NIH R21  
Percentile 36; awaiting council  
60S acidic ribosomal protein P1 and endometrial pathogenesis

Role: Co-investigator

PI: Nothnick  
NIH R01  
Awaiting CSR review  
The role of the miR144/451 cluster in endometriosis pathogenesis

**Dr. Ann Davis**

**Ongoing Research Support**

PI: Waitman  
9/07/15 - 09/07/18  
Patient Centered Outcomes Research Institute

The Greater Plains Collaborative; a PCORnet Clinical Data Research Network  
Major Goals: extend the capacity of the research network that captures complete and comprehensive data from patients at twelve medical centers. Continue governance, regulatory processes, technical infrastructure, and patient engagement strategies to enable a learning healthcare system by integrating Comparative Effectiveness Research within clinical workflows. Develop sustainable model for this digital infrastructure.

Role: Obesity Cohort Site Lead KUMC and CMH  
NIH/R01  
2017 – 2021  
Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention

PI: Nelson  
HRSA  
91/16 – 8/31/20
Telehealth Rural Outreach to Children in Kansas Schools (Telehealth ROCKS2)
Role: Co-Investigator

PI: McCulloh
NIH 9/26/16 – 9/25/20
SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension
Role: Co-Investigator

PI: Davis
Healthcare Foundation of Greater Kansas City 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

Completed Research Support
PIs: Wambach, Nelson, Davis 2016
MacArthur Interprofessional Collaboration Award
MomHealth Pilot: An Interprofessional Approach to Evaluate a Multiple Health Behavior Change Intervention with Pregnant and Parenting Teens Using Mobile Technology.

PI: Davis
Kansas Leadership Center 2016
Leadership Training Grant for the Center for Children’s Healthy Lifestyles & Nutrition

Dr. Kelly Kreisler

Completed Research Support
PI: Kreisler 2015 - 2016
Improving ADHD Care Coordination Using a Nurse Led Patient Centered Medical Home Model

Dr. Rusty McCulloh

Ongoing Research Support
PI: McCulloh 09/21/16-08/31/20
NICHD SPeCTRE: The Sunflower Pediatric Clinical Trials Research Extension
The goal of SPeCTRE is to improve the opportunity for children in rural and underserved areas of Kansas and neighboring states to participate in clinical trials. We will conduct outreach, education, and engagement activities that will extend clinical trials participation opportunities, which will help to support the development of better care options for children.

PI: McCulloh
Katherine Berry Richardson Foundation 4/1/2014-3/31/2017
For support of project “A national assessment of the microbiology, epidemiology, and resource utilization in infants hospitalized for suspected serious bacterial infection (SBI)”. The goal of this pilot study is to use data abstraction and search algorithms to develop a regional cohort of febrile infant encounters and to analyze bacterial epidemiology and antimicrobial use patterns for infants evaluated for suspected serious bacterial infection. Data are to be obtained from the Great Plains Collaborative Clinical Data Research Network.

PI: McCulloh
Eva and Kenneth Smith Foundation 7/1/2014-6/30/2017
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.
PI: McCulloh
Gerber Foundation Novice Research Award  7/1/2014-6/30/2017
For support of project “Improving febrile infant diagnosis and treatment (IFIT): A national
benchmarking study.” The objective of this study is to identify evidence-based national
benchmarks for use by physicians and healthcare systems to improve the care of febrile infants.
We will accomplish this goal using data from the Pediatric Health Information System (PHIS), an
administrative database that includes billing and patient data contributed from 43 free-standing
children’s hospitals across the US. This grant funds support for researchers at 8 collaborating
sites to conduct first a validation of the search strategy for identifying qualifying patient
encounters of young infants seen at one of the participating hospitals for suspected SBI. We
will then use this validated administrative cohort to identify variation in the use of some common
diagnostic tests and treatments in the evaluation of infants.

PI: McCulloh
Patton Trust, KCALSI  10/1/2015-9/30/2017
For support of project entitled “Use of multiplex proteomic assays for diagnosis of pediatric
genetic diseases.” This project focuses on proteomic analysis of critically-ill late-preterm infants
in the neonatal intensive care unit, and measuring the host response to sepsis, antibiotic
administration, and acute kidney injury, with the goal of developing new potential methods of
diagnosing, gauging response to treatment, and predicting the health outcomes of critically ill
neonates and young infants.

Dr. Mische Lawson
Ongoing Research Support
PI: Mische Lawson
University of Kansas Medical Center  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.

PD: Mische Lawson
Autism Speaks  7/1/15-1/2/17
Swimming and Water Safety Scholarship
Sensory Enhanced Aquatics
Major Goal: To provide support financially disadvantaged children with autism spectrum
disorder to participate in KU Sensory Enhanced Aquatics

Completed Research Support
PI: Mische Lawson
Vantage  12/11/15-8/31/16
Promoting Physical Activity and Nutrition through Sensory Enhanced Aquatics
Major Goals: To test the effectiveness of a national health promotion intervention for individuals
with disabilities delivered through established adapted sport programs.

PD: Mische Lawson
Variety Children’s Charity  12/1/15-11/30/16
Equipment for Mobility and Communication in Sensory Supported Swimming
Major Goals: To provide equipment to support children with ASD’s successful participation in
swimming.

Submitted Research Support
PI: Mische Lawson  
KUMC/CMH 7/1/17-6/30/18  
Center for Children’s Healthy Lifestyles and Nutrition Pilot Funding  
*Promoting Physical Activity and Nutrition through Sensory Enhanced Aquatics*  
Major Goals: 1) To test the effectiveness of a national health promotion intervention with children with autism spectrum disorder engaged in adapted swimming, and 2) to test the feasibility of Bod Pod for measuring body composition of children with ASD.

PI: Mische Lawson  
Organization of Autism Research 7/1/17-6/30/18  
*Investigating a National Health Promotion Model with Children with Autism Spectrum Disorder*  
Major Goal: 1) To test the effectiveness of a national health promotion intervention with children with autism spectrum disorder engaged in adapted swimming.

**Dr. Matthew Morris**  
**Ongoing Research Support**  
PI: Morris  
Kansas IDeA Network of Biomedical Research Excellence 07/01/2016 - 06/30/2017  
Hepatic control of diet-induced weight gain

PI: Morris  
Center for Children’s Healthy Lifestyles & Nutrition 06/15/2016 – 06/14/2017  
Reduced hepatic mitochondrial function increases susceptibility for obesity in adolescence and adulthood.

Co-PI: Morris  
KUMC Research Institute 07/01/2016 – 06/30/2017  
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.

Role – Fellow/Collaborator 10/01/2014 – 09/31/2018  
Veterans Administration  
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**  
NIH/NIDDK  
Impact Score 28; in council  
Hepatic mitochondrial function control of high-fat diet-induced weight gain  
Role: PI  
Goal: To examine the role of reduced liver mitochondrial function in mediating neural control of food intake, systemic macronutrient metabolism, and weight gain.

**Dr. Susana Patton**  
**Ongoing Research Support**  
PI: Patton 2014 - 2019  
NIH R01  
Longitudinal test of adherence & control in kids new to T1 diabetes
PI: Patton 2015 – 2017
NIH R21
Reducing hypoglycemia fear in parents of young kids with vide-based telemedicine

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

Submitted Research Support
PI: Clements
Helmsley Charitable Trust 2017 – 2020 (pending)
Predictive analytics for type 1 diabetes data extracted from the electronic medical record.
Role: Co-investigator

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

Completed Research Support
NIH R21
Modifiable behaviors & dietary predictors of overweight in children with ASD.

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

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

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

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

PI: Donnelly
NIH: R01 HD079643 3/6/15 – 2/28/20
Weight Management for Adolescents with IDD
Role: Co-Investigator
Submitted Research Support
PI: Ptomey/Donnelly
Physical Activity in Adolescents with Intellectual and Developmental Disabilities
R01 submitted to National Institute of Health in February 2016. The aim of this study is to compare the change in physical activity levels between participants randomized to a physical activity intervention utilizing remote group exercise lessons and an intervention targeting the parents as a tool to increase physical activity in adolescents with intellectual and developmental disabilities.
Role: MPI

MPI: Washburn/Donnelly
Weight Management in Adults with Physical Disabilities
R01 submitted to National Institute of Health in February 2016. Received a 39%, to be resubmitted in the Fall.
Role: Co-Investigator

MPI: Ptomey/Donnelly
Remote technology for Weight Management in Adults with IDD
R01 submitted to National Institute of Health in June 2016. The aim of this study is to determine whether remote delivery is non-inferior to (as good as) face-to-face delivery for weight loss and maintenance in adults with intellectual and developmental disabilities.

Dr. Brenda Salley
Ongoing Research Support
PI: Salley  9/25/15 – 7/31/18
NIH (NICHD)
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.

Dr. Debra Sullivan
Ongoing Research Support
PI: Donnelly  4/01/14 – 3/31/19
NIH
Weight management for adolescents with intellectual and developmental disabilities
Role: Co-investigator

PI: Sullivan
KU Alzheimer’s Disease Center and Landon Center on Aging  07/05/16 – 6/30/17
Feasibility trial of a Mediterranean diet pattern to prevent cognitive decline

PI: Sullivan
KUMC Frontiers and KU Alzheimer’s Disease Center  02/01/12 – 12/31/17
Feasibility of the ketogenic diet in individuals with Alzheimer’s disease

Co-PI: Sullivan, Donnelly  09/25/12 – 08/31/17
NIH R01
A virtual reality intervention (Second Life) to improve weight maintenance

PI: Davis
NIH 1/11/17 -11/30/2021
Rural disparities in pediatric obesity: The iAmHealthy intervention
Role: Co-Investigator

PI: In-Young Choi
National Dairy Council/Dairy Management Inc. 09/01/2016-12/31/2018
Dairy intake and cerebral antioxidant defense in aging: a dietary intervention study
Role: Co-Investigator

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

PI: Fazzino
NIH F32 07/01/2016 - 06/30/2017
The effects of heavy alcohol use on weight gain in college freshmen: Examining an overlooked calorie source
Role: Mentor

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

PI: Hamilton-Reeves
Phi Beta Psi Foundation 08/01/16-07/31/17
Impact of weight loss on chemokine signaling in obesity-induced prostate cancer progression
Role: Co-Investigator

PI: Gibbs
Frontiers Collaborative Studies Program 06/2016-08/2017
Improving parental nutrition literacy: Mobile website development and feasibility
Role: Co-Investigator

PI: Hull
University of Kansas School of Health Professions 06/2016-05/2017
Exploration of the cardioprotective role of DHA during pregnancy
Role: Co-Investigator

PI: Hull
KUMC Research Institute 06/2016-05/2017
Feasibility of a single goal intervention to prevent excessive gestational weight gain
Role: Co-Investigator

PI: Hull
The Roberts Family Foundation 06/2016-05/2017
Can consumption of dietary fiber prevent excessive gestational weight gain?
Role: Co-Investigator

Completed Research Support
Co-PIs: Sullivan, Donnelly
NIH
9/25/12 – 6/30/16
A virtual reality intervention (second life) to improve weight maintenance

PI: Barohn
NIH
7/01/11 - 6/30/16
Institutional clinical and translational science award
Role: Nutrition Core Director

PI: Gibbs
NIH
7/01/14 – 6/30/16
Adaptation and validation of a nutrition literacy assessment instrument
Role: Co-investigator

PI: Befort
NIH
7/01/10 – 6/30/16
Group Phone-based weight control among rural breast cancer survivors
Role: Co-investigator

PI: Donnelly
NIH
5/04/12 – 4/30/16
A randomized trial of recommendations for exercise to prevent weight regain
Role: Co-investigator

PI: Savage
NIH
4/01/10 – 1/31/16
Neuroimaging studies of reward impulsivity and adherence to an exercise program
Role: Co-investigator

PI: Donnelly
NIH
2/06/11 – 03/31/16
Physical activity and academic achievement across the curriculum
Role: Co-investigator

Proposed Research Support
Co-Investigator “Effects of Soy & Weight Control on Immune and Inflammatory Biomarkers in Prostate Cancer Survivors” (P.I. Jill Hamilton-Reeves). National Institutes of Health R01

Co-Investigator “Novel Methods to Encourage Appropriate Gestational Weight Gain” (P.I. Holly Hull). National Institutes of Health. R01 04/01/2017 - 06/30/2022.

Co-Investigator “Choosing healthy food, observing use and mediators of (CHOOSE) nutrition literacy” (P.I. Heather Gibbs). National Institutes of Health

Co-Principal Investigator Ketogenic diet in Alzheimer’s disease. (MPI. Russ Swerdlow & Debra Sullivan) National Institutes of Health R01 Submitted Feb 2016

Dr. John Thyfault
Ongoing Research Support
PI: Thyfault
Veterans Affairs Merit Review
10/2/14 – 9/31/18
Title: Mitochondrial mitophagy in the development and treatment of NAFLD.

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

Completed Research Support
PI: Thyfault  4/1/11 – 3/31/16
NIH
Title: Aerobic fitness, mitochondrial dysfunction, and fatty liver disease.

PI: Fadel  8/1/14 – 7/31/16
American Heart Association, Midwest Affiliate Grant in Aid
Title: Impaired insulin-stimulated blood flow in diabetic patients: Underlying mechanisms
Role: Co-Investigator

Proposed Research Support
JP Thyfault (MPI) and P. Darrel Neufer (MPI)  (Received 11th percentile; funding expected)
National Institutes of Health 1R01AR071263-01
$3,624,238 total cost over 5 years. December 1, 2016 to November 31, 2021
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.

JP Thyfault (PI)
National Institutes of Health R21AG056062-01  (Received 10th percentile; funding expected)
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.

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

Dr. Amy Beck
Completed Research Support
PI: Randell  6/15/15 – 6/14/16
Pilot grant awarded from The Center for Children’s Healthy Lifestyles & Nutrition
Role: Co-Investigator

Dr. Charles Barnes
Completed Research Support
PI: Kennedy K  10/1/13- 9/30/16
HUD Healthy Homes Technical Studies
The project involves a series of data collection and analysis tasks and development of an exposure probability model in order to evaluate the relationship between housing hazards and health and to validate this model through a combination of health data analysis and community-based home environmental health assessments.
Role: Research Laboratory Director, Kansas City Home Environmental Assessment Research Taskforce

Proposed Research Support
Healthy Homes to Eliminate ETS Exposure in American Indians

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
Completed Research Support

PI: Talebizadeh
10/1/15 – 09/30/16
Patient Centered Outcomes Research Institute
Incorporating Genetic Data in PCOR Studies: Building a roadmap for stakeholder engagement
Major goal(s): To develop a stakeholder advisory board to inform future genetic research.
Role: Co-investigator

PI: Goggin (CM)
7/1/14 – 2/29/16
NIMHHD
Assessing 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: Research Associate

Dr. Jordan Carlson
Ongoing Research Support

R21 CA194492-01
12/01/15 - 11/30/17
PI: Carlson, J
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.
Role: PI

R01 DK106209-01
7/01/15 - 06/30/19
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
7/01/15 - 6/30/17
Awardee: Carlson
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.

Submitted Research Support
PI: Carlson
NIH
Identifying Promising Implementation Strategies for Walking School Bus Programs
Scored at 3rd Percentile
Role: Co-investigator

Dr. Delwyn Catley
Ongoing Research Support
PI: Martin
American Cancer Society
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

PI: Miller
NICH
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-Investigator

PI: Catley
NIH/NHLBI
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.

PI: Richter
NIH/NCI
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

PI: Bruce
National Multiple Sclerosis Society
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

PI: Clements/Moore (PI), 07/20/15-04/30/18
NIDDK
Type 1 Diabetes TrialNet Clinical Centers
The major goal is to become a Clinical Center for Type 1 Diabetes TrialNet.
Role: Co-Investigator

Completed Research Support
PI: Lim 6/15/14-3/31/16
NIH/NCI
Neural predictors of self-regulation of smoking urges at a stressful moment
The purpose of this study is to elucidate the psychological and neurobiological mechanisms of self-regulation of moment-to-moment fluctuations in smoking urges under cognitive overload and emotional distress.
Role: Co-Investigator

PI: Spertus 10/01/13 – 09/30/16
Patient-Centered Outcomes Research Institute (PCORI)
Developing and Testing a Personalized, Evidence-Based, Shared Decision-Making Tool for Stent Selection in PCI
Major Goals: Create a shared decision-making tool that will describe the benefits, drawbacks, and costs associated with DES and BMS. Train hospital staff at two institutions to use the tool and assess impact on frequency and quality of patient-provider discussions.
Role: Co-Investigator

Submitted Research Support
PI: Cupertino (PI) Funded 01/10/17-12/31/21
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

Dr. Mark Clements
Ongoing Research Support
(Moore, WV, Clements, MA) 07/01/2015 – 04/30/2019
NIH
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.
Role: PI (multi-PI award)
PI: Beck, Roy  
Helmsley Charitable Trust  
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)  

PI: (Patton, Susana R)  
NIH  
$375,323  
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  

PI: (Patton, S)  
NIH  
Reducing hypoglycemia fear in parents of young kids with video-based telemedicine Major Goals: To evaluate a new group-based telemedicine 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  

PI: (Patton, S)  
NIH  
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  

PI: (McCulloh, Russell)  
NIH  
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  

PI: (Ball, Dana)  
Helmsley Charitable Trust  
T1D Exchange Quality Improvement Collaborative
Major goals: Overall, the goal is to develop a multi-center quality improvement collaborative to improve type 1 diabetes care. My role is twofold: 1) to lead Children’s Mercy as one of 11 sites in the initial 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

Dr. Mark Connelly
Ongoing Research Support
PI: Connelly 7/1/15 – 6/30/17
Agency for Healthcare Research and Quality
Registry-facilitation Dissemination of Mobile Evidence-based Pain Management for Youth with Juvenile Idiopathic Arthritis

Completed Research Support
PI: Kashikar-Zuck 4/13/15 – 3/31/16
NIH
Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia
Role: Site PI/Project Co-investigator

Dr. Christopher Cushing
Ongoing Research Support
PI: Cushing 8/1/15 – 2/28/17
Children’s Mercy Kansas City
Pathophysiology and Treatment of Pediatric Functional Abdominal Pain

Completed Research Support
PI: Cushing 2/01/15 – 7/31/16
Children’s Mercy Kansas City
Pathophysiology and Treatment of Pediatric Functional Abdominal Pain.
CoPIs: Schurman, Cushing 7/1/15 – 7/1/16
Katharine B. Richardson Fund, Children’s Mercy Kansas City
Precision Medicine in Pediatric Functional Gastrointestinal Disorders: Individualized Assessment for Tailored Treatment.

Proposed Research Support
PI: Cushing Submitted 1/4/16
Health Resources & Services Administration
Improving Mental Health Services for Children and Families Through Integrated Care in Pediatric Primary Care

PI: Cushing Submitted 5/27/16
Children’s Mercy Kansas City
Pathophysiology and Treatment of Pediatric Functional Abdominal Pain

PI: Cushing Submitted 10/14/16
NIH R21

Dr. Meredith Dreyer Gillette
Ongoing Research Support
PI: Dreyer-Gillette M. 11/1/15 – 5/1/17
Healthy Weight Research Network
An Adaptive Research Design to Optimize Weight Management Intervention in Young Children with ASD.

**Completed Research Support**
PI: Dreyer-Gillette M.  
Junior League  
PHIT Kids – Healthy Eating

**Dr. Leon Greene**
**Completed Research Support**
PI: Greene  
NIH  
Weight Management for Adolescents with IDD

Co-PIs: Greene, Donnelly  
NIH  
Physical Activity and Academic Achievement (A+PAAC)

**Proposed Research Support**
CoPI: Greene  
NIH  
Physical Activity in Adolescents with Intellectual and Developmental Disabilities  
Status: Not funded

CoPI: Greene  
NIH  
Physical Activity in Adolescents with Intellectual and Developmental Disabilities  
Status: Pending

**Dr. Sarah Hampl**
**Ongoing Research Support**
Role: Co-Investigator  
American Academy of Family Physicians Foundation  
2017 - 2018  
FitTastic, an EMR Clinic Decision Tool to Prevent and Reduce Childhood Obesity  

PI: Hampl  
Healthcare Foundation of Greater Kansas City  
2016 - 2018  
KC Obesity Treatment Pilot for Missouri’s Children

Patient Retention Studies 2008-2016, funded by Children’s Hospital Association (2008-present)  
and American Academy of Pediatrics Institute for Healthy Childhood Weight (2014-present)

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

**Dr. Cara Hoffart**
**Ongoing Research Support**
CoPIs: Hoffart/Wallace  
Cross Family Foundation Grant
When Sleep Is a Pain

**Completed Research Support**

PI: Connelly  
NIH U34  
Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia  
Role: Co-investigator

**Dr. Jennifer Lundgren**  
**Ongoing Research Support**

PI: Lundgren  
Dept. of Health  
Mobilizing Interprofessional Care

PI: Petri  
US Dept. of Education  
UMKC Pathways: Inclusion, Self-Determination and Employment for People with Intellectual Disabilities  
Role: Co-PI

**Proposed Research Support**

PI: Petri  
US Dept. of Education  
UMKC Pathways: Inclusion, Self-Determination and Employment for People with Intellectual Disabilities  
Role: Co-PI  
Status: Awarded

PI: Lundgren  
Dept. of Health  
Bright Light Treatment for Night Eating  
Status: Declined

PI: Lundgren  
American Psychological Foundation  
Evaluating Efficacy of Rebel  
Status: Declined

**Dr. Kim Randell**  
**Ongoing Research Support**

COMBAT Prevention Grant  
Randell (Program Director)  
Coaching Boys into Men  
This grant supports expansion of Coaching Boys into Men, an adolescent relationship abuse prevention program, into high school football teams in the Kansas City MO Public School District.

CER-1306-02918, PCORI  
Ramirez (PI)  
Evaluation of Parent-Based Interventions to Support Children After Traumatic Injury
The goal of this project is to give health care professionals tools to help parents promote children’s emotional recovery from injury through conducting a comparative effectiveness study of two approaches to improve psychosocial health outcomes among children with traumatic injuries.
Role: Site Co-investigator

**Submitted Research Support**

PI: Woods-Jaeger
NIH R21
Developing a parent-based intervention to build resilience among violently injured youth
Role: Co-Investigator

PI: Randell
National Institute of Justice
Healthcare Education Assessment and Response for Teen Relationships (HEART): An Emergency Department Intervention to Promote Healthy Relationships

**Completed Research Support**

Katherine B. Richardson Foundation
Identification of Adolescent Relationship Abuse (ARA) in the Pediatric Emergency Department (PED)
Role: Principal Investigator

Center for Children’s Health Lifestyles & Nutrition Pilot Grant
Parent and Child Adverse Childhood Experiences in Overweight and Obese Children
Role: Principal Investigator

**Dr. Robin Shook**

**Ongoing Research Support**

PI: Shook 1/1/16 – 12/31/18
Iowa State University, College of Human Sciences, Research Enhancement Grant
Mechanisms of physical activity within the energy balance system
**Aim:** Develop a collaborative, multidisciplinary group of scientists across Iowa State University that will enhance research related to understanding energy balance.

**Dr. Dustin Wallace**

**Ongoing Research Support**

Co-PIs: Hoffart, Wallace 3/01/15 – 3/31/17
Cross Family Foundation Grant
Sleep Disruption in Children with Chronic Pain

**Dr. David White**

**Ongoing Research Support**

PI: White 2016-present
Children’s Mercy Hospitals and Clinics, Kansas City, MO.
The Effect of Physical Activity Bout Patterns on Blood Lipids in Youth: NHANES 2003-2006
Co-investigator: White 2016-present
Frailty in Children with Cardiac Disease – A Pilot Study
Site Co-investigator: White 2016-present
Children’s Mercy Hospitals and Clinics, Kansas City, MO; Pediatric Heart Network
Fontan Udenafil Exercise Longitudinal Assessment Trial (FUEL)

PI: White 2016-present
Children's Mercy Hospitals and Clinics, Kansas City, MO.
The Utility of Ratings of Perceived Exertion in Children with an Impaired Heart Rate Response

PI: White 2016-present
Children's Mercy Hospitals and Clinics, Kansas City, MO.
Parent Perception of Child Weight Status in a Pediatric Preventive Cardiology Clinic

Co-investigator 2016-present
Children’s Mercy Hospitals and Clinics, Kansas City, MO.
Correlation of Echocardiographic Measurements to Exercise Parameters in Fontan Patients

PI: White 2014-present
Children’s Mercy Hospitals and Clinics, Kansas City, MO.
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

Peer-reviewed Journal Articles
` denotes supervision of student-led paper


Thyfault JP, Wright DC. “Weighing” the effects of exercise and intrinsic aerobic capacity: are there beneficial effects independent of changes in weight? Appl Physiol Nutr Metab. 2016 Sep;41(9):911-16.


*** Selected for APSselect – editors choice in October 16 issue of Am J Physiol Endocrinol Metab


**Manuscripts in Press**


*Krigel, S.W., Grobe, J.E., Goggin K., Harris, K.J., Moreno, J.L., & Catley, D.* (in press) Motivational Interviewing and the Decisional Balance procedure for cessation induction in smokers not intending to quit. *Addictive Behaviors*


**Connelly, M.**, Bromberg, M., Anthony, K., Gil, K., & Schanberg, L. (in press). Use of smartphones to prospectively evaluate predictors and outcomes of caregiver responses to pain in youth with chronic


*Davis, AM*, Ward, WL, Armstrong, B, Devine, KA, Verrill Schurman, J. (In Press) The rise of special interest groups and their role in division 54, the society of pediatric psychology. Accepted 1/6/17 to Clinical Practice in Pediatric Psychology.


Manuscripts Submitted

Clements M, Staggs V. A mobile app for synchronizing glucometer data: impact on adherence and glycemic control among youths with type 1 diabetes in routine care. Accepted (12/21/2016), Journal of Diabetes Science and Technology.

*Noser, AE, Huffhines, L, Clements, MA, Patton, SR. Self-efficacy outstrips the positive impact of self-efficacy on youth adherence and glycemic control in type 1 diabetes. Revised and Resubmitted to Pediatric Diabetes


*Black, WR, Borner, KB, Davis, AM, Dreyer Gillette, ML, Sweeney, B. & Hampl. Health-related quality of life across pediatric obesity classes: Analyses by recent classification recommendations. (Submitted 10/29/15 to Childhood Obesity)


E. Matthew Morris, G.M.E. Meers, L.G. Koch, S.L. Britton, R.S. Rector, and J.P. Thyfault. Low Intrinsic Aerobic Capacity Increases Susceptibility to High-fat/high-cholesterol Induced Steatohepatitis and Reduced Mitochondrial Respiratory Capacity. In Review.

Van Allen, J, Noser, AE, Littlefield, AK, Seegan, PL, Clements, MA, & Patton, SR. A confirmatory factor analysis of the self-efficacy for diabetes scale in a sample of youth with type 1 diabetes. Submitted to Pediatric Psychology

Marker, AM, Noser, AE, Clements, MA, & Patton, SR. Shared responsibility for type 1 diabetes care reduces glycemic variability and risk of excursions in youth. Revise and resubmit to Pediatric Psychology. Student/trainee led publication (revise and resubmit requested)


Published Abstracts


E. Matthew Morris, C.S. McCoin, and J.P. Thyfault. Reduced liver-specific PGC-1expression results in increased 3-day high-fat diet-induced weight gain. *Diabetes.* 2016. 65(S1): 1943-P. [http://dx.doi.org/10.2337/db16-1771-2041](http://dx.doi.org/10.2337/db16-1771-2041)


**Posters/Presentations**

**Beck, A.** Weight bias in the pediatric healthcare setting. (April 2016). Invited presentation at the Body Balance Coalition conference, Kansas City, MO.


**Beck, A.** "Weight bias in the pediatric healthcare setting. (May 2016). 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.** Weight bias in the pediatric healthcare setting. (February 2016). Invited oral presentation at CM Nephrology Department Grand Rounds, Kansas City, MO.


**Blaufuss TA, Morris EM, McCoin C, Thyfault J.** Upregulation of Cholesterol and Bile Acid Gene Synthesis in Wild Type Rats with 4 Weeks of Exercise. (NASPGHAN World Congress 2016). Poster of Distinction Award


Blaufuss TA Journal Review: Combination of oral antibiotics may be effective in severe pediatric ulcerative colitis: A preliminary report. Children’s Mercy Hospital: Gastroenterology Division; 10/12/16

Blaufuss TA Drug-Induced Liver Disease. Children’s Mercy Hospital: Gastroenterology Division; 2/3/16.


* denotes supervision of student-led presentation
† denotes published abstract


[Awarded SBM Meritorious Student Abstract]


[Awarded SBM Meritorious Student Abstract]


[Awarded SBM Meritorious Student Abstract]


**Received Poster Award.

Clements, MA. “Listening” to the stories that Big Data Tell: Using Type 1 Diabetes Data Past and Present, 12/01/16, Texas Children's Hospital, Baylor College of Medicine, Houston, TX.

Christianson JA*, Brummet C, Sieberg C. When the pain really is in your head: phenotyping, treating, and modeling centralized pain. 35th Annual Scientific Meeting of the American Pain Society. Austin, TX. May 11-14, 2016. *Symposium organizer and moderator.


Fuentes IM, Pierce AN, Eller OC, Wang R, Christianson JA. Voluntary exercise can attenuate many abnormal behaviors and perigenital allodynia resulting from early life stress in male mice.

Christianson JA “The painful consequences of early life stress” University of Pittsburgh Medical Center, Department of Neurobiology and the Pittsburgh Center for Pain Research, Pittsburgh, PA, February 17, 2016.


Calkins A, Wallace DP, Connelly M. Psychosocial predictors of school functioning in a pediatric
chronic pain population. Poster presentation at the Society for Pediatric Psychology Conference, Atlanta, GA, April 14-16, 2016.


**Tripicchio G., Dean K., Faith M., Davis A. (2016, November) Examining the effectiveness of technology components added to a family-based behavioral pediatric obesity treatment program. Poster presentation at The Obesity Society Annual Meeting. New Orleans, LA.**

**(Bio-behavioral Research Section Poster Competition Winner; Pediatric Obesity Section Poster Competition Winner; eHealth/mHealth Section Poster Competition Winner; Pat Simons Travel Award recipient.)


Dreyer Gillette ML, Borner KB, Pona A, Hamp S (November, 2016). Outcomes of a weight management program for young children by obesity severity class recommendations poster presentation at The Obesity Society Annual Meeting, New Orleans, LA.


**Hampi SE** (2016). Healthy Lifestyle Initiative in Kansas City, Grand Rounds at the University of MO (MU) Department of Family Medicine, Columbia, MO.


**Hampi SE** (2016). Childhood obesity and chronic disease. Platte County Health Department Community Health Advisory Council, Kansas City, MO.


**Hoffart, C.** Polyarticular JIA: What you need to know. JA National Conference, Phoenix, AZ. 07/2016 [Invited Presentation]

**Hoffart, C** Rehabilitation for Amplified Pain Syndromes Program at Children’s Mercy Hospital. Healthy Talk Podcast with Dr. Michael Smith on Radio MD. 6/15/16.


Anselin E, Alverson B, Richardson T, Hall M, **McCulloh R.** Assessment of Vesicoureteral Reflux (VUR) Screening before and after the 2011 AAP UTI Guidelines, and Association of Screening Techniques with Rates of VUR Diagnosis. Pediatric Academic Societies, April 30-May 3, 2016, Baltimore, MD. Poster presentation.


Randell, K. Pediatrics for the Practitioner, Big Island, Hawaii. October 2016. (CME provided)
Topic: Concussion and Head Trauma: Evaluation and Management

Randell, K Pediatrics for the Practitioner, Big Island, Hawaii. October 2016. (CME provided)
Topic: Procedural Pearls for Office-Based Providers

Randell, K Pediatrics for the Practitioner, Big Island, Hawaii. October 2016. (CME provided)
Topic: Case Files from the Children’s Mercy ED

Randell, K Pediatrics for the Practitioner, Big Island, Hawaii. October 2016. (CME provided)
Topic: Toxic Stress, Resilience and You: Opportunities for Lifelong Health

Randell, K Annual Missouri Pediatric Sexual Assault Nurse Examiner (SANE-P) Course, Kansas City MO. February 2016. (Continuing education provided)
Topic: Intimate Partner Violence: A Pediatric Problem

Randell, K Adolescent Relationship Abuse: Practical Tips for Urgent Care Nursing
Children’s Mercy Blue Valley Urgent Care Nursing, May 2016.
Children’s Mercy North Urgent Care Nursing, November 2016.
Children’s Mercy East Urgent Care Nursing, November 2016.
(continuing education provided)

Randell, K In Their Shoes, a choose-your-own-adventure educational experience
Council on Violence Prevention Lunch and Learn, Children’s Mercy, Kansas City, MO. October 2016 (as part of National Domestic Violence Awareness Month activities)

Randell, K Hanging Out or Hooking Up: Universal Education for Adolescent Relationship Abuse
Children’s Mercy Teen Clinic, Kansas City, MO. April 2016.

Randell, K Adverse Childhood Experiences, Toxic Stress & Child Health: Opportunities to Change Life Course Trajectories
Research Medical Center, Family Practice Residency Program, Kansas City MO. January 2016.


Sweeney, BR. (2016, May) Severe Obesity in the Young Child, Pediatric Academic Societies, Baltimore, MD Parental Adverse Childhood Experiences: Parent Perception of Health Impact and Screening Pediatric Academic Societies Baltimore, MD

Sweeney, BR. (2016, May) Parental and Child Adverse Childhood Experiences in a Pediatric Population, Pediatric Academic Societies, Baltimore, MD

Sweeney, BR. (2016, May) Metabolic Co-Morbidities of Young Children Presenting for Family-Based Weight Management Treatment; Pediatric Academic Societies, Baltimore, MD

Sweeney, BR. (2016, August) Integrated Care Approaches for the Young Child with Obesity American Psychological Association, Denver, CO

Sweeney, BR. (2016, September) Innovative Clinical Interventions for Pediatric Obesity, 15th Annual Obesity Conference; Kansas University, Lawrence, KS


Thyfault, JP Hepatic fitness and metabolic health. University of Jyvaskyla, Finland, April 21st, 2016 Invited Presentation

Thyfault, JP Hepatic fitness impacts metabolic disease susceptibility. Human USDA Nutrition Center, Grand Forks, ND. September 8, 2016 Invited Presentation

Thyfault, JP Physical activity and nutrition for health. Lawrence City Firefighters, Lawrence, KS, October 24, 2016. Invited Presentation

Thyfault, JP Hepatic fitness alters susceptibility for fatty liver and metabolic dysfunction. University of Alabama Birmingham, Nutrition and Obesity Research Center, Birmingham, AL, Dec 6, 2016. Invited Presentation


*Faculty mentor for C. Davis
*C. Davis won American Pain Society young investigator travel award


*Faculty mentor for M. Pielech
*M. Pielech won Pain SIG poster award (top 3) and was selected for a talk


*Faculty mentor for A. Calkins.