

Background



center for children's
healthy lifestyles &
nutrition

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 co-morbidities in young children; 4) the effects of community based interventions on obesity prevalence and health behaviors.

Denise Wilfley, PhD

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

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

| Year | Total # of requests | Materials only | Declined events | Staffed events | WM staff time | Nursing staff time | Reach | Coordinator time |
|------|---------------------|----------------|-----------------|----------------|---------------|--------------------|-------|------------------|
| 2015 | 28 | n/a | 4 | 24 | 121.7 | n/a | 3753 | n/a |

| | | | | | | | | |
|------|-------------------|---|---|----|--------|--------|---------------------|-------------------------|
| 2016 | 45 ^[1] | 2 | 4 | 38 | 118.03 | 106.86 | 7100 ^[2] | 150 hrs. ^[3] |
|------|-------------------|---|---|----|--------|--------|---------------------|-------------------------|

¹ 60.7% increase in requests from 2015

² 89% increase in reach from 2015; current average is 220 people per event

³ Health Fair Coordinator hours from April - December 2016

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 patients 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 Circadian 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.

Tarah 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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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 megestrol as part of iKanEat

The goal of the project is to examine whether megestrol 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.

Role: Co-Investigator

NIH R01 NINR Bruce, JM (PI) 19% percentile
Motivational Intervention to Improve Treatment Adherence in MS

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.

Role: Co-Investigator

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

Role: Co-investigator

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

PI: Davis

NIH/R01 2017 – 2021

Rural Disparities in Pediatric Obesity: the iAmHealthy Intervention

PI: Nelson

HRSA 9/16 – 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

12/1/15-8/31/16

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 video-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

PI: Patton 2014 – 2016
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 9/25/12 – 6/30/16
NIH
A virtual reality intervention (second life) to improve weight maintenance

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

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

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

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

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

PI: Donnelly 2/06/11 – 03/31/16
NIH
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 Neuffer (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

PI: Daley C. 7/1/16-6/30/21
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

Scored at 3rd Percentile

Identifying Promising Implementation Strategies for Walking School Bus Programs

Role: Co-investigator

Dr. Delwyn Catley

Ongoing Research Support

PI: Martin

7/1/2016-6/30/20

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

01/01/16 – 12/31/20

NICHHD

Enhanced SexHealth intervention to improve adolescent outcomes: A clinical trial

The purpose of this trial is to apply newly obtained knowledge and skills to enhance and test an Emergency Department SexHealth intervention using a randomized trial of intervention versus standard information arm to determine the effect size of rates of health service uptake.

Role: Co-mentor

PI: Catley

3/15/16-2/28/20

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

02/01/16-01/31/21

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

10/1/15-9/30/17

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

01/01/2016-4/01/2017

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)

08/01/2014 - 07/31/2019

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)

04/01/2015 – 03/31/2017

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)

12/01/2015 - 11/30/2019

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)

09/26/2016 – 09/25/2020

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)

8/1/2016 – 7/31/2017

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. 6/1/15 – 5/31/16
Junior League
PHIT Kids – Healthy Eating

Dr. Leon Greene

Completed Research Support

PI: Greene 3/6/15 – 2/29/16
NIH
Weight Management for Adolescents with IDD

Co-PIs: Greene, Donnelly 2/6/11 – 3/31/16
NIH
Physical Activity and Academic Achievement (A+PAAC)

Proposed Research Support

CoPI: Greene Submitted 5/27/16
NIH
Physical Activity in Adolescents with Intellectual and Developmental Disabilities
Status: Not funded

CoPI: Greene Submitted 10/14/16
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 3/01/15 – 3/31/17
Cross Family Foundation Grant

When Sleep Is a Pain

Completed Research Support

PI: Connelly 6/01/15- 3/31/16
NIH U34
Randomized Clinical Trial of FIT Teens for Juvenile Fibromyalgia
Role: Co-investigator

Dr. Jennifer Lundgren

Ongoing Research Support

PI: Lundgren 7/1/14 – 6/30/16
Dept. of Health
Mobilizing Interprofessional Care

PI: Petri 10/1/15 – 9/30/20
US Dept. of Education
UMKC Pathways: Inclusion, Self-Determination and Employment for People with Intellectual Disabilities
Role: Co-PI

Proposed Research Support

PI: Petri 10/1/15 – 9/30/20
US Dept. of Education
UMKC Pathways: Inclusion, Self-Determination and Employment for People with Intellectual Disabilities
Role: Co-PI
Status: Awarded

PI: Lundgren 9/1/15 – 8/31/20
Dept. of Health
Bright Light Treatment for Night Eating
Status: Declined

PI: Lundgren 7/1/15 – 6/30/16
American Psychological Foundation
Evaluating Efficacy of Rebel
Status: Declined

Dr. Kim Randell

Ongoing Research Support

COMBAT Prevention Grant Randell (Program Director) 3/01/16-2/28/17

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) 2/01/14-1/31/17

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

Children's Mercy Hospitals and Clinics, Kansas City, MO

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

Weydert, J., **Connelly, M.** (2016). Integrative approach to pediatric pain management, part 1: procedural and acute pain in children. In R. Bonakdar and A. Sukiennik (Eds.), *Integrative Pain Management*. New York: Oxford University Press.

Connelly, M., & Weydert, J. (2016). Integrative approach to pediatric pain management, part 2: chronic pediatric pain. In R. Bonakdar and A. Sukiennik (Eds.), *Integrative Pain Management*. New York: Oxford University Press.

Hassink SG and **Hampf SE** (eds): *Clinical Care of the Child with Obesity: A Learner's and Teacher's Guide*. New York, New York. McGraw-Hill Education, 2016.

Beck AR, Hampf SE, Hassink SG. Patient, practice and hospital advocacy. In Hassink SG and Hampf SE (eds): *Clinical Care of the Child with Obesity: A Learner's and Teacher's Guide*. New York, New York. McGraw-Hill Education, 2016.

Hoffart, Cara, Kingsley, RA, Woodford, B, Turner, J, Fitzgerald, M. Management of Chronic Pain in Teenage Population, edited by Lambert Academic Publishing and Springer. *You Are Special: A Must Read Book for Teenagers and Parents*. October 2016.

Allison, K.C. & **Lundgren, J.D.** (In press). Emerging Syndromes. In S. Agras and A. Robinson (Eds.). *Oxford Handbook of Eating Disorders* (2nd ed.). New York: Oxford University Press.

McCulloh R. Section 7, Chapter 159: Infections Associated with Biologics. Edited by: Cohen J, Powderly WG, Opal SM, eds. Fourth Edition *Infectious Diseases* (2-volume). Elsevier, Philadelphia, PA; Sept 2016: 1377-1381.

Sweeney BR, Sandifer L, Barlow S. Stages of Obesity Treatment. In: Hampl S, Hassink S, ed. *Clinical Care of the Child with Obesity*. Columbus, OH: McGraw-Hill Education; 2016:193-221.

Book Chapters in Press

Cushing, C. C. (in press). eHealth applications in pediatric psychology. In M. C. Roberts & R. G. Steele (Eds.), *Handbook of Pediatric Psychology 5th ed.*

Peer-reviewed Journal Articles

*denotes supervision of student-led paper

Beck, A. R. (2016). Psychosocial aspects of obesity. *NASN School Nurse*, 31(1), 23-27, doi: 10.1177/1942602X15619756

Gray, J.S., Cadieux, A., Sweeney, B., **Beck, A.**, Edgar, S., Eneli, I., Getzoff, E., Kirk, S., Crimmins, N. Paguio, K., Santos, M., & Ward, W. (2016). Medical neglect and pediatric obesity: Insights from tertiary care obesity treatment programs. *Children's Health Care*. DOI: 10.1080/02739615.2016.1163488

Beck, A., Hampl, S., & Hassink, S. (2016). Patient, practice, and hospital advocacy. In S. Hassink & S. Hampl (Eds). *Clinical care of the child with obesity: A learner's and teacher's guide*. New York, NY: McGraw-Hill.

Allenbrand R, **Barnes CS**, Mohammed M, Gard L, Pacheco F, Kennedy K, DiDonna A, Portnoy J, Dinakar C. Comparison of allergens collected from furnace filters and vacuum floor dust. *Ann Allergy Asthma Immunol*. 2016 Nov 7. [Epub ahead of print] PMID: 27839669

Polk BI, Dinakarandian D, Nanda M, Barnes C, Dinakar C. Association of tree nut and coconut sensitizations. *Ann Allergy Asthma Immunol*. 2016 Oct;117(4):412-416. PMID: 27566863

Portnoy JM, Williams PB, **Barnes CS**. Innate Immune Responses to Fungal Allergens. *Curr Allergy Asthma Rep*. 2016 Sep;16(9):62. PMID: 27520938

Barnes CS, Horner WE, Kennedy K, Grimes C, Miller JD; Environmental Allergens Workgroup. Home Assessment and Remediation. *J Allergy Clin Immunol Pract*. 2016 May-Jun;4(3):423-431. PMID: 27157934

Chew GL, Horner WE, Kennedy K, Grimes C, **Barnes CS**, Phipatanakul W, Larenas-Linnemann D, Miller JD, Environmental Allergens Workgroup.; Procedures to Assist Health Care Providers to Determine When Home Assessments for Potential Mold Exposure Are Warranted. *J Allergy Clin Immunol Pract*. 2016 May-Jun;4(3):417-422. PMID: 27021632

Bruce, J., **Bruce, A.**, Lynch, S., Strober, L., O'Bryan, S., Sobotka, D., Thelen, J., Ness, A., Glusman, M., Goggin, K., Bradley-Ewing, A., Catley, D. (2016). A pilot study to improve adherence among MS patients who discontinue treatment against medical advice. *Journal of Behavioral Medicine* 39(2), 276-287.

Davis A.M., Dean, K., Mousa, H., Edwards, S., Cocjin J., Almadhoun, O., He, J., Sun, S., **Bruce, A.S.**, Hyman, P.E. (2016). A randomized controlled trial of an outpatient protocol for moving children from tube to oral feeding: No need for amitriptyline. *The Journal of Pediatrics* 172, 136-41.

Lim, S.L., Cherry, J.B.C., Davis, A.M., Balakrishnan, S.N., Ha, O.R., Bruce, J.M., & **Bruce, A.S.** (2016). The child's brain computes and utilizes internalized maternal choices. *Nature Communications*, *May 24*;7:11700

Bruce, A.S., Pruitt, S.W., Ha, O.R., Smith, T.R., Cherry, J.B.C., Bruce, J.M., & Lim, S.L. Television food commercials influence children's food choices and ventromedial prefrontal cortex activations. (2016). *The Journal of Pediatrics* *177*, 27-32.

Ha, O.R., **Bruce, A.S.**, Pruitt, S.W., Smith, T.R., Burkart D., Cherry J.B.C., Bruce, J.M., Lim, S.L. Healthy eating decisions require efficient inhibitory self-control in children: A MouseTracking food decision study. (2016). *Appetite* *10*.

*Perez, L.G., **Carlson, J.A.**, Slymen, D.J., Patrick, K., Kerr, J., Godbole, S., Elder, J.P., Ayala, G.X., & Arredondo, E.M. (2016). Does the social environment moderate associations of the built environment with Latinas' objectively-measured neighborhood outdoor physical activity? *Preventive Medicine Reports*.

Boutelle, K.N., Knatz, S., **Carlson, J.A.**, Bergmann, K., Peterson, C.B. (2016). Targeting food cue reactivity and satiety sensitivity in overweight and obese binge eaters: a pilot study. *Cognitive and Behavioral Practice*.

Golla, G.K., **Carlson, J.A.**, Huan, J., Kerr, J., Mitchell, T., Borner, K. (2016). Developing novel machine learning algorithms to improve sedentary assessment for youth health enhancement. *IEEE International Conference on Healthcare Informatics*.

Meseck, K., Jankowska, M.M., Schipperijn, J., Natarajan, L., Godbole, S., **Carlson, J.A.**, Takemoto, M.L., Crist, K., & Kerr, J. (2016). Is missing geographic position system (GPS) data in accelerometry studies a problem, and is imputation the solution? *Geospatial Health*, *11*(2), 157-63.

*Esteban-Cornejo, I., **Carlson, J.A.**, Conway, T.L., Cain, K., Saelens, B.E., Frank, L.D., Glanz, K., Roman, C.G., & Sallis, J.F. (2016). Parental and adolescent perceptions of neighborhood safety related to adolescents' physical activity in their neighborhood. *Research Quarterly for Exercise and Sport*, *87*(2), 191-199.

Carlson, J.A., Remigio-Baker, R.A., Anderson, C.A.M., Adams, M.A., Norman, G.J., Kerr, J., Criqui, M.H., Allison, M. (2016). Walking mediates associations between neighborhood activity supportiveness and BMI in the Women's Health Initiative San Diego cohort. *Health & Place*, *38*, 48-53.

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Stahl CH, Lind M, Svensson AM, Kosiborod M, Gudbjörnsdottir S, Pivodic A, **Clements M**, Rosengren A. Long-term excess risk of stroke in people with Type 2 diabetes in Sweden according to blood pressure level: a population-based case-control study. *Diabet Med*. 2016 Nov 25. doi: 10.1111/dme.13292. [Epub ahead of print] PMID:27885698

* Noser AE, Huffhines L, **Clements MA**, Patton SR. Diabetes conflict outstrips the positive impact of self-efficacy on youth adherence and glycemic control in type 1 diabetes. *Pediatr Diabetes*. 2016 Nov 17. doi: 10.1111/pedi.12471. [Epub ahead of print] PMID: 27859979

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Thyfault JP, Morris EM. Intrinsic (genetic) aerobic fitness impacts susceptibility for metabolic disease. *Exerc Sport Sci Rev.* 2017 Jan;45(1):7-15.

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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

Rogers RS, Morris EM, Wheatley JL, Archer AE, McCoin CS, White KS, Wilson DR, Meers GM, Koch LG, Britton SL, **Thyfault JP**, Geiger PC. Deficiency in the heat stress response could underlie susceptibility to metabolic disease. *Diabetes* 2016 Nov;65(11):3341-3351.

Morris EM, Meers GM, Koch LG, Britton SL, Fletcher JA, Shankar K, Fu X, Burgess SC, Ibdah JA Rector RS, **Thyfault JP**. Aerobic capacity and hepatic mitochondrial lipid oxidation alters susceptibility for chronic high fat diet induced steatosis. *Am J Physiol Endocrinol Metab.* 2016 Oct 1;311(4):E749-E760

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

Park YM, Padilla J, Kanaley JA, Zidon T, Welly RJ, Britton SL, Koch LG, **Thyfault JP**, Booth FW, Vieira-Potter VJ. Voluntary running attenuates metabolic dysfunction in ovariectomized low-fit rats. *Med Sci Sports Exerc.* 2016 [epub ahead of print].

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Hinton PS, Nigh P, **Thyfault JP**. Serum sclerostin decreases following 12 months of resistance or jump-training in men with low bone mass. *Bone.* 2016 Oct 12.

Wallace, D. P., Woodford, B., & Connelly, M. (2016). Promoting psychological flexibility in parents of adolescents with chronic pain: Pilot study of an 8-week group intervention. *Clinical Practice in Pediatric Psychology*, 4, 405-416. doi: 10.1037/cpp0000160

Deacy, A.D., Gayes, L. A., DeLurgio, S., & **Wallace, D. P.** (2016). Adaptation of the State-Trait Inventory for Cognitive and Somatic Anxiety (STICSA) for Use in Children: A Preliminary Analysis. *Journal of Pediatric Psychology*, 41, 1033-1043. doi: 10.1093/jpepsy/jsw030

Smith, K. C., & **Wallace, D. P.** (2016). Improving the sleep of children's hospital employees through an email-based sleep wellness program. *Clinical Practice in Pediatric Psychology*, 4, 291-305. doi: 10.1037/cpp0000152

Connelly, M., **Wallace, D. P.**, Anson, L., Kessler, E. D., & Schurman, J. V. (2016). Parent attitudes toward pain management for childhood immunizations. *Clinical Journal of Pain*, 32, 654-658. doi: 10.1097/AJP.0000000000000327

David A. White, Dana L. Rofey, Andrea M. Kriska, Elizabeth M Venditti, Bethany Barone-Gibbs, Jere D. Gallagher, John M. Jakicic. The impact of expressing concern for a child's weight on the parents' perception of child weight and the parents concern for future weight problems. *Journal of Childhood Obesity*. 2016. 1(4): 23.

Geetha Raghuvver, **David A. White**, Laura L. Hayman, Jessica G. Woo, Juan Villafane, David Celemajer, Kenneth D. Ward, Sarah D. de Ferranti, Justin Zachariah. Cardiovascular Consequences of Childhood Secondhand Tobacco Smoke Exposure: Prevailing Evidence, Burden, and Racial and Socioeconomic Disparities – A Scientific Statement from the American Heart Association. *Circulation*. 2016. 135 (5): e336-e359.

David A. White, Kelli M. Teson, Jessica S. Hall. The role of exercise training on insulin sensitivity in overweight and obese adolescents: Mini review. *Diabetes & Obesity International Journal*. 2016. 1(1): 1-4.

David A. White, Dana L. Rofey, Andrea M. Kriska, Elizabeth M Venditti, Bethany Barone-Gibbs, Jere D. Gallagher, John M. Jakicic. Parental influences on child weight: Perception, willingness to change, and barriers. *Journal of Obesity and Weight Loss Therapy*. 2016. 6: 293.

David A. White, Scott D. Rothenberger, Laura A Hunt, Fredric L Goss. Comparison of affect and cardiorespiratory training responses between structured gym activities and traditional aerobic exercise in children. *International Journal of Exercise Science*. 2016. 9(1): 3.

Manuscripts in Press

Lee, H.S., Addicott, M., Martin, L.E., Harris, K.J., Goggin, K.J., Richter, K., Patten, C., McClernon, F.J., Fleming, K., & **Catley, D.** (in press). Implicit attitudes and smoking behavior in a smoking cessation induction trial. *Nicotine & Tobacco Research*.

*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*

Patten, C.A., Goggin, K., Harris, K.J., Richter, K., Williams, K., Decker, P.A., Bradley-Ewing, A., and **Catley, D.** (in press). Relationship of autonomy social support to quitting motivation in diverse smokers. *Addiction Research & Theory*. PMC Journal-in-process.

*Fox, A. T., Martin, L. A., Bruce, J., Moreno, J. L., Staggs, V. S., Lee, H. S., Goggin, K., Harris, K. J., Richter, K., Patten, C., & **Catley, D.** (in press). Executive function fails to predict smoking outcomes in a clinical trial to motivate smokers to quit. *Drug and Alcohol Dependence*.

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

disease. *Pain*.

Schurman, J.V, Deacy, A.D., Johnson, R.J., Parker, J., Williams, K., Wallace, D., **Connelly, M.**, Anson, L., & Mroczka, K. (in press) Using quality improvement methods to increase use of pain prevention strategies for childhood vaccination. *World Journal of Clinical Pediatrics*.

Connelly, M., Wallace, D.P., Williams, K., Parker, J., Schurman, J.V. (in press). Parent attitudes toward pain management for childhood immunizations. *Clinical Journal of Pain*, 32(8), 654-658.

Stinson, J., **Connelly, M.**, Kamper, S.J., Herlin, T., & April, K. T. (in press). Models of care for addressing chronic musculoskeletal pain and health in children and adolescents. *Best Practice and Research Clinical Rheumatology*.

Fedele, D. A., **Cushing, C. C.**, Fritz, A., Amaro, C. M., & Ortega, A. (in press). Mobile health interventions for improving health outcomes in youth: A meta-analysis. *JAMA Pediatrics*.

*Noser, A. E., **Cushing, C. C.**, McGrady, M. E., Amaro, C. M., & Huffhines, L. P. (in press). Adaptive intervention designs in pediatric psychology: The promise of sequential multiple assignment randomized trials of pediatric interventions. *Clinical Practice in Pediatric Psychology*.

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*.

Rhodes ET, Boles RE, Chin K, Christison A, Getzoff-Testa E, Guion K, Hawkins MJ, Petty RE, Gaffka BS, Santos M, Shaffer L, Tucker J, **Hampel SE**. Expectations for Treatment in Pediatric Weight Management and Relationship to Attrition. *Childhood Obesity* 2017; in press.

J.P. Thyfault and **E. Matthew Morris**. Intrinsic (genetic) aerobic fitness impacts susceptibility for metabolic disease. *Exerc Sport Sci Rev*. 2016. In Press.

Patton, SR, Noser, AE, Clements, MA, Dolan, LM, & Powers, SP (In Press) Reexamining the hypoglycemia fear survey for parents of young children in a sample of children using insulin pumps. *Diabetes Technology and Therapeutics*, 19(2): 103-108.

Ptomey LT, Saunders RR, Saunders M, Washburn RA, Mayo MS, Sullivan DS, Gibson CA, Goetz JR, Honas JJ, Willis EA, Danon JC, Krebill R, Donnelly JE. (In Press) Weight management in adults with intellectual and developmental disabilities: A randomized controlled trial of two dietary approaches. *Journal of Applied Research in Intellectual Disabilities*.

Willis EA, Szabo-Reed AN, **Ptomey LT**, Steger FL, Honas JJ, Al-Hihi EM, Lee R, Lee J, Oh Y, Washburn RA, Donnelly JE. Distance Learning Strategies for Weight Management Utilizing Online Social Networks versus Group Phone Conference Call. *Obesity Science & Practice*. 2016.

Ellis K, Lantos J, **Randell KA**, Miller MK. Trust in the medical profession among adolescents in an emergency department. *Pediatric Emergency Care*. *In press*.

Nilan L, Giovanni J, Moffat M, Linebarger J, **Randell KA**. Compassion fatigue in pediatric emergency medicine staff. *Pediatric Emergency Care*. *In press*.

Ptomey LT, Saunders RR, Saunders M, Washburn RA, Mayo MS, **Sullivan DK**, Gibson CA, Goetz JR, Honas JJ, Willis EA, Danon JC, Kerbill R, Donnelly JE. Weight management in adults with intellectual and developmental disabilities: A randomized controlled trial of two dietary approaches. *The Journal of Applied Research in Intellectual Disabilities*. *In Press*.

Kirk S, Armstrong S, King E, Trapp C, Grow M, Tucker J, Joseph M, Liu L, Weedn A, **Sweeney B**, Fox C, Fathima S, Williams R, Kim R, Stratbucker W. Establishment of the Pediatric Obesity Weight Evaluation Registry: A National Research Collaborative for Identifying the Optimal Assessment and Treatment of Pediatric Obesity. *Child Obes*. *In Press*.

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*

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 *Diabetes Research and Clinical Practice*.

*Bejarano, C. M., & **Cushing, C. C.** (in review). Motivation and hedonic hunger predict adolescent diet: An ecological momentary assessment study.

Brannon, E. E., **Cushing, C. C.**, Walters, R. W., Crick, C., Noser, A. E., & Mullins, L. L. (in revision). A mHealth Intervention for Increasing Adolescent Physical Activity: An Aggregated N-of-1 RCT.

Cushing, C. C., Martinez, B., Hall, J., Dickie, B. H., Helmrath, M., Frischer, J., & Zeller, M. H. (in revision). Initial Development and Validation of the CINCY-FIS: A Fecal Incontinence-Specific Quality of Life Measure.

Reed, D. D., Kaplan, B. A., **Cushing, C. C.**, & Jarmolowicz, D. P. (in revision). Delay discounting predicts diabetes risk.

*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*)

*Odar Stough, C, Poppert Cordts, K, Dreyer Gillette, ML, Borner, K, Dean, K, Hampl, S, Peugh, J & **Davis, AM**. Parent Hope and Child Outcomes Following a Pediatric Weight Management Program. Revise and Resubmit to *Children's Health Care* (submitted 11/7/16).

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*.

Ptomey LT, Willis EA, Greene JL , Danon J, Chumley TK, Washburn RA, Donnelly JE. The feasibility of group video conferencing for promotion of physical activity in adolescents with intellectual and developmental disabilities. Submitted to American Journal Intellectual and Developmental Disabilities.

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)

Ptomey LT, Willis EA, Lee J , Gibson CA, Honas JJ, Washburn RA, Donnelly JE Barriers to Obtaining Physical Activity Data from Adults with Intellectual and Developmental Disabilities. Submitted to The Journal of Intellectual Disabilities Research

Ptomey LT, Steger FS, Lee JH, **Sullivan DK**, Goetz JR, Honas JJ, Washburn RA, Gibson, CA, Donnelly JE. Changes in Energy Intake and Diet Quality Across an 18-month Weight Management Randomized Control Trial in Adults with Intellectual and Developmental Disabilities. Submitted to JAND.

Ptomey LT, Gibson CA, Lee J, **Sullivan DK**, Washburn RA, Gorczyca AM, Donnelly JE. Caregiver's Effect on Weight Management in Adults with Intellectual and Developmental Disabilities. Submitted to Disability and Health Journal.

Schurman, J. V., Deacy, A. D., Johnson, R., Parker, J., Williams, K., **Wallace, D. P.**, Connelly, M., Anson, L., & Mroczka, K. (*in press*). Using quality improvement methods to increase use of pain prevention strategies for childhood vaccination. *World Journal of Clinical Pediatrics*.

Keating, E. A., Antiel, R. M., Weiss, K. E., **Wallace, D. P.**, Antiel, S. J., Fischer, P. R., & Harbeck-Weber, C. (*in press*). Parental Perceptions of Pediatric Pain and POTS-Related Disability. *Clinical Pediatrics*.

Published Abstracts

Fuentes IM, Eller OC, Pierce AN, **Christianson JA**. Sex differences in an early life stress mouse model of comorbid mood disorder and urogenital pain. *J. Pain*. 2016; 17(4): S69.

Stinson, J., **Connelly, M.**, Huber, A., Luca, N., Spiegel, A. Tsimicalis, S. et al. Development and usability testing of an iPad and desktop psycho-educational game for children with Juvenile Idiopathic Arthritis and their parents. *Journal of Pain*, 17(4), S106.

Stinson, J., **Connelly, M.**, Huber, A., Luca, N., Spiegel, L., Tsimicalis, A., et al. (2016). Development and usability testing of an iPad and desktop psycho-educational game for children with Juvenile Idiopathic Arthritis and their parents. *Pediatric Rheumatology*, 14(Suppl 1), 12.

Allison, K.C., **Lundgren, J.D.**, & Wadden, T.A. (2016). Albert J. Stunkard: His research on obesity and its psychological impact. *Current Obesity Reports*, 28 January, 1-5.

E. Matthew Morris, C.S. McCain, and J.P. Thyfault. Reduced liver-specific PGC-1 α expression 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>

Ptomey, LT, Saunders RR, Saunders M, Goetz JR, Mayo MS, **Sullivan DK**, Washburn RA, Gibson CA, Honas JJ, Donnelly JE. Weight management for individuals with intellectual and developmental disabilities. Poster Presentation Society of Behavior Medicine. March 2016.

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. Trauma-informed care. (September 2016). Co-presenter, Patricia A. Davis, LSCSW, LCSW, IMH-III. Invited oral presentation at the CM 2016 Patient Centered Services Research Symposium – Behavioral Health in Children, 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.

Beck, A. R. (2016, October). Trauma, severe mental illness, and obesity: A case study. Poster presented at the 6th Conference on Recent Advances in the Prevention and Management of Childhood and Adolescent Obesity: Understanding the Interplay between Physical and Mental Health, Ottawa, Ontario.

Randell, K. A., Sweeney, B., **Beck, A. R.**, Bruce, A., Cowden, J., & Dowd, M. D. (2016, May). *Parent and child adverse childhood experiences in a pediatric population*. Poster presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD.

Sweeney, B., Dowd, D., **Beck, A. R.**, Bruce, A., Cowden, J. D., & Randell, K. A. (2016, May). *Parental adverse childhood experiences: Parent perception of health impact and screening*. Poster presented at the Pediatric Academic Societies Annual Meeting, Baltimore, MD.

Blaufuss TA, Morris EM, McCain 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

Sarin A, **Blaufuss TA**, Guzman M, Foy T, Jain AK. Improvement of Hepatitis after Discontinuation of Estrogen-Containing Oral Contraceptives. (NASPGHAN World Congress 2016).

Blaufuss TA, Adcock B, Mangalat N. Pylephlebitis: A Significant Complication of an Unrecognized Appendicitis. (NASPGHAN World Congress 2016).

Blaufuss TA, Morris EM, McCain C, Thyfault J. Upregulation of Cholesterol and Bile Acid Gene Synthesis in Wild Type Rats with 4 Weeks of Exercise. Children’s Mercy Research Days. 2/2016.

Blaufuss TA Juvenile Polyps and Juvenile Polyposis Syndrome: Clinical Significance for a General Pediatrician. Children's Mercy Hospital: Gastroenterology Division; 2/1/16.

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.

Blaufuss TA Journal Review: Soap Suds Enema are Efficacious and Safe for Treating in Fecal Impaction in Children with Abdominal Pain. Children's Mercy Hospital; Gastroenterology Division; 2/10/16.

* denotes supervision of student-led presentation

† denotes published abstract

Carlson, J.A., Engelberg, J., Kerner, J., Cain, K., Conway, T., Geremia, C., Bonilla, E., Mignano, A., & Sallis, J. (2016, December). Contextual factors explaining implementation of classroom physical activity breaks. Poster presentation at the 9th Annual Conference on the Science of Dissemination and Implementation in Health. Washington, DC.

† Finch, J., * Mitchell, T.B., * Borner, K.B., & **Carlson, J.A.** (2016, September). Measuring sedentary behavior: epoch- and hour-level agreement between the ActiGraph and activPAL. Poster presentation at the National Conference in Clinical Child and Adolescent Psychology. Lawrence, KS.

Carlson, J.A., Mitchell, T.B., Borner, K., Saelens, B.E., Schipperijn, J., Kerr, J., Conway, T.L., Frank, L.D., Chapman, J.E., Glanz, K., Cain, K., & Sallis, J.F. (2016, April). Supporting youth's physical activity across multiple locations. Poster presentation at the Society of Pediatric Psychology Annual Conference. Atlanta, GA.

† Mitchell, T., **Carlson, J.A.**, Schipperijn, J., Saelens, B., Kerr, J., Frank, L., Conway, T., Chapman, J., Cain, K., & Sallis, J. (2016, April). Latent profiles of youths' physical activity across locations and lack of compensation. Poster presentation at the 2016 Annual Meeting of the Society of Behavioral Medicine. Washington DC.

† Rosenberg, D., **Carlson, J.A.**, Godbole, S., & Kerr, J. (2016, April). Older adult sedentary behavior change in the context of a physical activity intervention. Oral presentation at the 2016 Annual Meeting of the Society of Behavioral Medicine. Washington DC.

† Moran, K., **Carlson, J.A.**, James, P., Mitchell, P., Glanz, K., Hipp, J. A., Kerr, J. (2016, April). Latent profile analysis of sleep, physical activity, and sedentary time and associations with health. Poster presentation at the 2016 Annual Meeting of the Society of Behavioral Medicine. Washington DC.

Lim, S.L., Scott, D., Choi, K.M., Martin, L., & **Catley, D.** (2016, April). Neural effect of stress on trial-by-trial smoking decisions. Social & Affective Neuroscience Society Annual Meeting, New York, NY.

Schoor, R., Fox, A., Harris, H., Goggin, K., Richter, K., Bradley-Ewing, A., **Catley, D.** (2016, March). Examining perceived vulnerability as a mechanism of action in a clinical trial to motivate smokers to quit. Poster presented at the 37th Annual Meeting and Scientific Sessions of the Society of Behavioral Medicine, Washington, DC.

Clark, J. M. R., Bennett, K. K., Harry, K. M., Eways, K. R., Smith, A. J., & **Catley, D.** (2016, March). Motivational interviewing to improve medication adherence in heart disease patients: Efficacy, acceptability, and barriers. Poster accepted for presentation at the Society of Behavioral Medicine 37th Annual Meeting and Scientific Sessions, Washington, DC.

Clark, J. M. R., Bennett, K. K., Harry, K. M., Eways, K. R., Smith, A. J., & **Catley, D.** (2016, March). Medication adherence and depressive symptoms in recently discharged patients with heart disease. Poster presented at the Society of Behavioral Medicine 37th Annual Meeting and Scientific Sessions, Washington, DC.

*Stortz, S., Siddiqua, A., Fox, A., Moreno, J.L., Bradley-Ewing, A., Harris, K.J., Goggin, K., Richter, K., **Catley, D.** (2016, March). The Dodo bird verdict challenge: Does Motivational Interviewing operate through different mechanisms than Health Education? Poster presented at the 37th Annual Meeting of the Society of Behavioral Medicine, Washington, DC.

[Awarded SBM Meritorious Student Abstract]

*Fox, A. T., Martin, L. E., Bruce, J., Staggs, V. S., Moreno, J. L., Lee, H. S., Goggin, K., Harris, K. J., Richter, K., Patten, C., & **Catley, D.** (2016, March). Executive function fails to predict smoking outcomes in a clinical trial to motivate smokers to quit. Poster presented at the Annual Meeting & Scientific Sessions of the Society of Behavioral Medicine, Washington, DC.

*Champassak, S. L., **Catley, D.**, Fleming, K., Williams, D., DeLurgio, S., Goggin, K. (2016, March). Assessing mediator effects from an RCT evaluating novel interventions for antiretroviral medication adherence. Paper presented at the 37th Annual Meeting of the Society of Behavioral Medicine, Washington, DC.

[Awarded SBM Meritorious Student Abstract]

*Fox, A. T., **Catley, D.**, Papa, V. B., Brucks, M. G., & Martin, L. E. (2016, March). Smoking cessation, cognitive control, and reward processing: An fMRI pilot study. Poster presented at the Society for Research on Nicotine and Tobacco Annual Meeting, Chicago, IL.

Cartujano, F., Perales, M., Ramirez, M., Cruz, K., Ramirez-Mantilla, M., Werntz, S., Cox, L.S., Ellerbeck, D., **Catley, D.**, & Cupertino, A.P. (2016, March) "Every Day I Think About Your Messages": Assessing Text-Messaging Interaction With Latino Smokers. Poster presented at the 22nd Annual Meeting of the Society for Research on Nicotine and Tobacco, Chicago, IL.

Bani-Yaghoub, M. & **Catley, D.** (2016, March). Using Markov Chain and Ordinary Differential Equation Models to Assess the Effectiveness of Smoking Cessation Interventions for Smokers Who Are Not Ready to Quit. Poster presented at the 22nd Annual Meeting of the Society for Research on Nicotine and Tobacco, Chicago, IL.
PA, May 2017.

Charalampopoulos D, Hermann JM, Svensson J, Skriverhaug T, Maahs DM, Akesson K, Warner J, Holl RW, Birkebaek N, Drivvoll AK, Miller K, Svensson A, Stephenson T,

Hofer S, Fredheim S, Kummernes S, Foster N, Hanberger L, Amin R, Rami-Merhar B, Johansen A, Dahl-Jorgensen K, **Clements M**, Hanas R. International HbA_{1c} benchmarking in type 1 diabetes: Do we need to report between-clinic variation in addition to national average values? Poster, 42nd Annual Conference of the International Society of Pediatrics and Adolescent Diabetes, Valencia, Spain, October 26-29, 2016.

Noser, AE, Huffhines, L, **Clements, MA**, Patton, SR. Self-efficacy moderates the family conflict-SMBG adherence relation in youths with type 1 diabetes. Poster, American Diabetes Association 76th Scientific Sessions, New Orleans, LA, June 10-14, 2016.

Shea, J, Raymond, JK, Noser, AE, **Clements, MA**, Patton, SR (2016, June). Increase in fear of hypoglycemia post-diagnosis in young children with type 1 diabetes. Poster, American Diabetes Association 76th Scientific Sessions, New Orleans, LA June 10-14, 2016.

*Huffhines L, Noser A, **Clements MA**, Egan A, Patton, SR. Moderating effects of family conflict and self-efficacy on glycemic control in youths with type 1 diabetes. Poster, Society of Pediatric Psychology Annual Conference, April 2016, Atlanta, GA.

*Maliszewski G, **Clements MA**, Egan A, Patton SR. The Influence of Diabetes Family Conflict and Depression on Insulin Bolusing Behaviors for Youths. Poster, Society of Pediatric Psychology Annual Conference, April 2016, Atlanta, GA.

Patton, SR, Noser, AE, **Clements, MA**, & Van Allen, J (2016, April). An examination of the factor structure of the maternal self-efficacy for diabetes scale in parents of youth with type 1 diabetes. Poster, Society of Pediatric Psychology Annual Conference, Atlanta, GA, April 14-16, 2016.

Li X, Kover KL, Heruth DP, Watkins DJ, Moore WV, Zhang C, Zang M, **Clements MA**, Yan Y. Thioredoxin-interacting protein stimulated by high glucose induces endothelial cell apoptosis. Poster, Pediatric Academic Society, April 2016, Baltimore, MD.

****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.

Christianson JA. The painful consequences of stress. 2016 Annual NIH Pain Consortium Symposium, Advances in Pain Research: Innovative Models and Methods. Bethesda, MD, May 31-June 1, 2016. Invited oral presentation.

Christianson JA. The influence of stress and exercise on urogenital pain. Pain Mechanisms and Therapeutics Conferences, Taormina, Sicily, June 5-10, 2016. Invited oral presentation, session 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.

Program No. 147.01. 2016 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2016. Online.

Eller OC, Pierce AN, Fuentes IM, **Christianson JA**. Investigating the impact of early life stress and voluntary exercise on comorbid chronic pain and mood disorders in mice. Program No. 147.02. 2016 Neuroscience Meeting Planner. San Diego, CA: Society for Neuroscience, 2016. Online.

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.

Connelly, M. ACT vs CBT: Psychological Treatment Strategies in Chronic Pain Management." Invited presentation for *American Society for Pain Management Nursing*, Kansas City, MO (2016)

Stinson, J., **Connelly, M.**, & Kohut, S.A. Digital health: using technology to optimize disease self-management in youth and young adults with arthritis. Symposium presented at ACR/AHRP Conference, Washington, DC, November 2016.

Stinson, J., Huber, A., **Connelly, M.**, Luca, N., Spiegel, L., Tsimicalis, A., et al. Development and usability testing of an iPad-based psycho-educational game for children with Juvenile Idiopathic Arthritis and their parents. Poster presented at the European Pediatric Rheumatology Congress (PReS), Genoa, Italy, September 28-October 1, 2016.

Hoffman, A., **Connelly, M.**, & Woods, G. Children and adolescents with Sickle Cell Disease report reduction in pain and negative affect and increases in cheerfulness and calm following therapeutic massage. Poster presented at the International Congress of Integrative Medicine and Health, Las Vegas, NV, May 17-20, 2016.

Kingsley, R., Rose, J., **Connelly, M.** An exploration into essential oil preferences among children and adolescents with chronic pain. Poster presentation at the International Congress on Integrative Medicine and Health, Las Vegas, NV, May 17-20, 2016.

Stinson, J., Huber, A., **Connelly, M.**, Luca, N., Spiegel, L., Tsimicalis, A., et al. Development and usability testing of an iPad-based psycho-educational game for children with Juvenile Idiopathic Arthritis and their parents Poster presentation at the 35th Annual American Pain Society Scientific Meeting, Austin, Texas, May 11-14, 2016.

Davis C, Wallace DP, Lewandowski M, Calkins A, **Connelly M.** Predictors of healthcare utilization among youth with chronic pain. Poster presentation at the American Pain Society Annual Conference, Austin, TX, May 11-14, 2016.

Bickel J, **Connelly M.** Toward improving migraine management in primary care: the HAPPY project. Oral and poster presentation at the American Academy of Neurology 68th Annual Meeting, Vancouver, BC, April 15-21, 2016.

Chan S, **Connelly M**, Wallace DP. Peer difficulties among youth with chronic pain: associations with pain characteristics and emotional functioning. Poster presentation at the Society for Pediatric Psychology Conference, Atlanta, GA, April 14-16, 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.

*Bejarano, C. M., & **Cushing, C. C.** (2016, September). *Motivation and hedonic hunger as predictors of self-reported food intake in adolescents: Disentangling between and within person processes*. National Conference in Clinical Child and Adolescent Psychology, Lawrence, KS. (National)

*Bejarano, C. M., **Cushing, C. C.**, & Campbell, E. (2016, September). Mood and food: The relationship between affect and food consumption in adolescents. National Conference in Clinical Child and Adolescent Psychology, Lawrence, KS. (National)

*Bejarano, C. M., **Cushing, C. C.**, Mitchell, T. B., & Noser, A. E. (2016, September). Relations between adolescents' negative affectivity and physical activity: An experience sampling approach. National Conference in Clinical Child and Adolescent Psychology, Lawrence, KS. (National)

*Huffhines, L., **Cushing, C.**, & Garcia, A. (2016, September). Risk of problematic health behaviors in youth in relation to negative life events exposure. National Conference in Clinical Child and Adolescent Psychology, Lawrence, KS. (National)

*Bejarano, C. M., **Cushing, C. C.**, Amaro, C. M., Noser, A. E., & Huffhines, L. (2016, April). Relationships among dietary motivation, hedonic hunger, and zBMI in a community sample of children and adolescents. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Blossom, J., **Cushing, C. C.**, Karazsia, B., & Schurman, J. V. (2016, April). Individualized assessment of functional disability in pediatric abdominal pain: Developing a responsive daily measure of functional disability. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Brannon, E. E., & **Cushing, C. C.** (2016, April). Promoting physical activity using a brief mHealth intervention: An N-of-1 RCT for determining fit between adolescent and feedback provider. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Cushing, C. C., Walters, R. W., Bejarano, C. M., & Mitchell, T. B. (2016, April). Daily hedonic hunger as a predictor of dietary behavior: What can mHealth assessment tell us about the appetite-behavior link. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Fedele, D. A., **Cushing, C. C.**, Fritz, A., Amaro, C., & Ortega, A. (2016, April). The effectiveness of mobile health interventions in pediatric populations. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Marker, A., **Cushing, C. C.**, & Huffhines, L. (2016, April). Using ecological momentary assessment to assess daily mood profiles in adolescents. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Mitchell, T., **Cushing, C. C.**, & Amaro, C. (2016, April). Psychometric properties of the power of food scale in a community sample of preadolescents and adolescents. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Noser, A., **Cushing, C. C.**, Walters, R., Amaro, C., & Bejarano, C. (2016, April). Individual variability in daily physical activity: The role of social support. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Schurman, J. V., Guilfoyle, S., **Cushing, C. C.**, & Kitchler, J. C. (2016, April). Big data or big hassle? Implementation, use, and ethics of electronic data capture in clinical care. Society of Pediatric Psychology Annual Conference, Atlanta, GA. (International)

Wojtowicz, A., Naftaly, J., Nguyen, E., **Cushing, C. C.**, Schurman, J., & Greenley, R. (2016, April). Model of FAP: An opportunity for pediatric psychologists. Society of Pediatric Psychology, Atlanta, GA. (International)

Sweenie, R., **Cushing, C. C.**, Prabhakaram, S., Baker, D., & Fedele, D. A. (2017, January). Examination of family environment, stress, and health disparities in youth with asthma. University of Florida Diversity Day, Gainesville, FL. (Local)

Cushing, C. C. (2016, November). Precision Medicine: Methods and Measures for Realizing the Potential of mHealth. Invited Lecture, Philadelphia, PA. (Regional, Invited)

Ward, W., Craddock, M.M., **Davis, A.**, Young-Saleme, T, Schroff Pendley, J., Weyand, C. (2016, April). *Leadership Workshop: Developing the Skill of Handling Difficult Conversations*. Presented at the Society of Pediatric Psychology Annual Conference, Atlanta, GA.

Poppert Cordts, K. M., Lepping, R. J., Martin, L., **Davis, A. M.**, Steele, R. G., & Bruce, A. S. (2016, September). Methodological considerations for functional magnetic resonance imaging of pediatric obesity. Poster presented at the Bi-Annual National Conference in Clinical Child and Adolescent Psychology, Lawrence, KS.

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.)

Borner KB, Mitchell T, Pona A, Sweeney B, Dreyer Gillette ML, **HAMPL S** (November, 2016). Metabolic comorbidities and obesity severity of treatment-seeking school-age children with obesity poster presentation at The Obesity Society Annual Meeting, New Orleans, LA.

Dreyer Gillette ML, Borner KB, Pona A, **HAMPL 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.

Lima A and **HAMPL S** (October, 2016). Childhood Obesity Treatment and Reimbursement: What's Next? Workshop at the Academy of Nutrition and Dietetics' Food and Nutrition Conference and Expo, Boston, MA.

HAMPL SE and Wilfley DE (April, 2016). Treatment Reimbursement for MO Children with Obesity: Lessons Learned. Obesity Special Interest Group oral presentation at the Pediatric Academic Societies Annual Meeting, Baltimore, MD.

Dreyer Gillette ML, Borner K, Mitchell T, **Hampf S**, Sweeney B (April, 2016). Metabolic Comorbidities of Young Children Presenting for Family-based Weight Management Treatment poster presentation at the Pediatric Academic Societies Annual Meeting, Baltimore, MD.

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

Summar S, Campbell A, **Hampf S** (2016). Community- and State-Level Initiatives for Childhood Obesity presentation at the University of Kansas 15th Annual Obesity Conference. Overland Park, KS.

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

Hoffart C, Wallace DP, "Sleep Disruption in Children with Chronic Pain". American College of Rheumatology, Washington, DC, November 2016 [Poster].

Hoffart, C. When Pain IS the Problem: Recognizing and Treating Amplified Pain. 2016 AAP National Conference, San Francisco, CA. 10/2016. [Invited Presentation]

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.

*Bozsik, F., Eickman, L., Betts, J., Pollack, L., & **Lundgren, J. D.** (October 2016). *Evaluating the efficacy of a dissonance-based program on thin-ideal internalization and weight bias in adolescents*. Poster session presented at the meeting of Association for Behavioral and Cognitive Therapies, New York, NY.

DePorre A, Williams D, Newland J, Mann K, Michaels J, Bartlett J, **McCulloh R**. Utility of viral testing as part of a clinical practice guideline in febrile infants <60 days old. 2016 Pediatric Hospital Medicine Conference, July 28-31, 2016, Chicago, IL. Poster presentation.

Aronson PL, Feldman E, Tieder J, **McCulloh R**, Alpern E, Nigrovic L, Leazer R, Balamuth F, Browning W, Neuman MI. Application of Rochester criteria to identify young infants with invasive bacterial infection. Pediatric Academic Societies (PAS), April 30-May 3, 2016, Baltimore, MD. Poster presentation

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

Feldman EA, **McCulloh RJ**, Myers AL, Aronson PL, Neuman MI, Bradford MC, Alpern ER, Balamuth F, Blackstone MM, Browning W, Hayes K, Korman R, Leazer R, Nigrovic LE, Marble R, Roben E, Williams D, Tieder JS. Epidemiology and antimicrobial susceptibility in young infants with bacterial infections across US children's hospitals. Pediatric Academic Societies (PAS), April 30-May 3, 2016, Baltimore, MD. Poster presentation.

Mische Lawson, L. (2016, September). *Promoting Professional Behaviors of Health Professions Students*. 2016 American Therapeutic Recreation Association Annual Conference. Lombard, IL.

Mische Lawson, L. (2016, September). *Sensory Processing Patterns and Swim Skill Acquisition of Children with an Autism Spectrum Disorder*. 2016 American Therapeutic Recreation Association Annual Conference, Research Institute. Lombard, IL.

Mische Lawson, L., & Little, L. (2016, September). *Feasibility of a Swimming Intervention to Improve Sleep Behaviors of Children with Autism Spectrum Disorder*. 2016 American Therapeutic Recreation Association Annual Conference. Lombard, IL.

Mische Lawson, L. (2016, September). *Promoting Physical Activity and Nutrition for Individuals with Disabilities through Adapted Sport and Mentoring*. 2016 American Therapeutic Recreation Association Annual Conference, Research Institute. Lombard, IL.

Mische Lawson, L. (2016, April). *Evidence-Based Methods for Facilitating Physical Activity of Children with Autism Spectrum Disorder*. American Occupational Therapy Association 2016 Annual Conference & Expo. Chicago, IL.

Pollack, LO, Dreyer Gillette, M, Pan, TY, & **Patton, SR** (2016, April). Examining the behavioral topography of home meals in families of children with autism spectrum disorder using direct observation. Poster presented at the Society of Pediatric Psychology Annual Conference, Atlanta, GA, April 14-16, 2016. *Student-trainee led presentation*

Huffhines, L, Noser, AE, Clements, MA, Egan, E, & **Patton, SR** (2016, April). Moderating effects of family conflict and self-efficacy on glycemic control in youths with type 1 diabetes. Poster presented at the Society of Pediatric Psychology Annual Conference, Atlanta, GA, April 14-16, 2016. *Student-trainee led presentation*

Maliszewski, G, Clements, MA, Egan, A, Hester, L, & **Patton, SR** (2016, April). The influence of diabetes family conflict and depression on insulin bolusing behaviors for youths. Poster presented at the Society of Pediatric Psychology Annual Conference, Atlanta, GA, April 14-16, 2016. *Student-trainee led presentation*

Patton, SR, Noser, AE, Clements, MA, & Van Allen, J (2016, April). An examination of the factor structure of the maternal self-efficacy for diabetes scale in parents of youth with type 1 diabetes. Poster presented at the Society of Pediatric Psychology Annual Conference, Atlanta, GA, April 14-16, 2016.

Noser, AE, Huffhines, L, Clements, MA, & **Patton, SR** (2016, June). Self-efficacy moderates the family conflict-SMBG adherence relation in youths with type 1 diabetes. Poster presented at American Diabetes Association's 76th Scientific Sessions, New Orleans, LA, June 10-14, 2016. *Student-trainee led presentation*

Shea, J, Raymond, JK, Noser, AE, Clements, MA, & **Patton, SR** (2016, June). Increase in fear of hypoglycemia post-diagnosis in young children with type 1 diabetes. Poster presented at American Diabetes Association 76th Scientific Sessions, New Orleans, LA June 10-14, 2016. *Student-trainee led presentation*

Ptomey, LT. Using technology to assess Energy Intake and Physical Activity in Adults. Lecture International Life Sciences Institute Technology Summit. San Diego, CA. December 2016.

Ptomey LT. Promotion of Physical Activity in Adolescents with Intellectual and Developmental Disabilities. Tutorial Lecture at the American College of Sports Medicine. June 2016.

Ptomey LT, Willis EA, Honas JJ, Szabo-Reed AN, Donnelly JE. The Evolution of Dietary Intake Methods and The Effects of Energy Expenditure on Energy and Macronutrient Intake. Oral Symposium at the American College of Sports Medicine. June 2016.

Ptomey LT. Promotion of Physical Activity and Weight Management of Adolescents with Intellectual and Developmental Disabilities including Autism. Oral Presentation at The Healthy Weight Research Network Symposium. May 2016.

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 West, Kansas City, MO. November 2016.
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.

Shook, R. P., Hand, G. A., O'Connor, D. P., Drenowatz, C., Welk, G. J., Reis, D., Carriquiry, A. L., & Blair, S. N. (2016). *Evaluation of energy intake at a range of energy flux derived from self-report, doubly labeled water, and activity monitors*. Paper presented at the American College of Sports Medicine Annual Meeting, Boston, MA.

Hamilton-Reeves J, and **D.Sullivan**. "Feasibility of a weight management program tailored for overweight men with localized prostate cancer: a pilot study". Abstract presented at the American Institute of Cancer Research, Washington DC, November 2016.

Hull H.R., J. Goetz, **D.Sullivan** , and S. Carlson. A multiple goal lifestyle intervention prevents excessive gestational weight gain in high risk women. (2016). Abstract presented at The Obesity Society Conference, New Orleans, LA, November 2016.

Hull H.R., **D.Sullivan**, and S. Carlson. Maternal DHA status is related to lower change in infants total and central fat mass. (2016). Abstract presented at The Power of Programming Conference, Munich, Germany, October 2016.

Hamilton-Reeves J, and **D.Sullivan**. "Effects Of A Weight Loss Program Tailored For Overweight And Obese Men With Localized Prostate Cancer On Risk Factors For Cardiovascular Disease." Abstract presented at South Central Section of the American Urologic Association, Colorado Springs CO., September 2016.

Hamilton-Reeves J, and **D.Sullivan**. "Effectiveness Of A Weight Loss Program Tailored For Overweight And Obese Men With Localized Prostate Cancer." Abstract presented at South Central Section of the American Urologic Association, Colorado Springs CO., September 2016.

Hamilton-Reeves J, and **D.Sullivan**. "Effects Of A Weight Loss Program Tailored For Overweight And Obese Men With Localized Prostate Cancer On Risk Factors For Cardiometabolic Disease." Abstract presented at South Central Section of the American Urologic Association, Colorado Springs CO., September 2016.

Steger, F.L. Szabo-Reed, A., **Sullivan, D.K.**, Donnelly, J.E. Impact of exercise self-efficacy on physical activity and weight loss during a weight management intervention. Poster Presentation at the 2016 Annual Meeting of the American College of Sports Medicine.

Gibbs HD, Mortenson J, McDowd JM, Bruce A, Poirer M, **Sullivan DK**. Observing nutrition literacy during food selection using eye-tracking. Poster presented at the Health Literacy Research Conference 2016.

Ptomey, LT, Saunders RR, Saunders M, Goetz JR, Mayo MS, **Sullivan DK**, Washburn RA, Gibson CA, Honas JJ, Donnelly JE. Weight management for individuals with intellectual and developmental disabilities. Poster Presentation Society of Behavior Medicine. March 2016.

Hamilton-Reeves J, and **D.Sullivan**. "Effects Of A Weight Loss Program Tailored For Overweight And Obese Men With Localized Prostate Cancer." Abstract presented at the American Society for Parenteral Nutrition, Clinical Nutrition Week, Austin, TX, January 2016.

Sullivan, DK. Use of ketogenic diet in Alzheimers Disease. Kansas Academy of Nutrition and Dietetics meeting. Invited presentation. April 24, 2016. Wichita, KS

Holmes D, **Sweeney B**, **Dreyer Gillette M**, Papa A. (2016, October) Parent Reported Confidence in Making Behavior Change in a Special Needs Weight Management Program. Poster presentation at the Conference on Childhood and Adolescent Obesity, Ontario, Canada.

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. Chair of symposium: Mitochondria in the Integrative Physiology of Obesity and Metabolic Dysfunction. Physiological Society/American Physiological Society Joint Meeting. Dublin, Ireland, Aug 1, 2016.

Thyfault, JP. Chair of symposium: Activity and exercise during pregnancy and early development: Implications for long term health. Integrative Biology Exercise Meeting (American Physiological Society). Phoenix, AR, Nov 4, 2016.

Thyfault, JP Hepatic fitness and metabolic health. University of Jyväskylä, 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

Wallace, D.P. (2016, April). Acceptance: Reducing fear of symptoms might improve multiple health problems.

- a. In symposium: Banez, G., Williams, S., Logan, D., **Wallace, D.P.**, & Carter, B. Lessons learned from intensive interdisciplinary pain treatment: Implications for helping kids with other chronic health conditions get back to normal lives. *Symposium presented* at the Society of Pediatric Psychology Annual Conference (Atlanta, GA).

Pielech, M., **Wallace, D.P.**, & Hoffart, C.M. (2016, April). Concurrent changes in parent responses and improvements in child functioning during intensive interdisciplinary pediatric pain rehabilitation.

- b. In symposium: Cohen, L.L., Rapoff, M., Pielech, M., & Karazsia, B. Illustrations of State-of-the-Science Methodology in Pediatric Psychology Clinical Settings. *Symposium presented at the Society of Pediatric Psychology Annual Conference (Atlanta, GA).*

Hoffart, C. M., Fortney, S., & **Wallace, D.P.** (2016, November). Sleep disruption in children with chronic pain. *Poster presentation at the at the Annual Conference of the American College of Rheumatology Association of Rheumatology Health Professionals (Washington, DC).*

Davis, C., **Wallace, D.P.**, Lewandowski, M., Calkins, A., & Connelly, M. (2016, May). Predictors of healthcare utilization among youth with chronic pain. *Poster presentation at the American Pain Society Annual Conference (Austin, TX).* Abstract published in *The Journal of Pain*, 17, S34. doi: 10.1016/j.jpain.2016.01.137

**Faculty mentor for C. Davis*

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

Pielech, M., **Wallace, D.P.**, & Hoffart, C.M. (2016, April). Concurrent changes in parent responses and improvements in child functioning during intensive interdisciplinary pediatric pain rehabilitation. *Poster presentation at the Society for Pediatric Psychology Annual Conference (Atlanta, GA).*

**Faculty mentor for M. Pielech*

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

Calkins, A., **Wallace, D.P.**, & Connelly, M. (2016, April). Psychosocial predictors of school functioning in a pediatric chronic pain population . *Poster presentation at the Society for Pediatric Psychology Annual Conference (Atlanta, GA).*

**Faculty mentor for A. Calkins.*

Chan, S., Connelly, M., & **Wallace, D.P.** (2016, April). Peer Difficulties among Youth with Chronic Pain: Associations with Pain Characteristics and Emotional Functioning. *Poster presentation at the Society for Pediatric Psychology Annual Conference (Atlanta, GA).*