RESEARCH FUNDING

CURRENT FUNDING

EXTRAMURAL:

1) USDA ARS (6251-51000-007-00D) Role: Faculty Bioinformatician Title: Impact of Early Dietary Factors The goals of this center grant are to activity in humans and animal mode	s on Child Development and F determine the effects of diet	lealth and physical	8/01/14-7/31/19
2) USDA-ARS (6251-51000-006-00D) Role: Faculty Bioinformatician Title: "Dietary Influences on Psycholo The overall goal of this center grant i on growth, psychological, physiologic children (from infancy through childh	gical and Physiological Functic s to determine the influence of cal and cognitive development	on in Children" f dietary factors	8/01/13–7/31/18
3) NIH/NIEHS (R01ES021484) Role: Faculty Bioinformatician Title: Developmental Programming The goal of the project is to determin toxicants on adult onset autoimmun	of TCE Induced Autoimmune I ne the impact of development	(FTE: 20%) Disease	12/01/12–11/30/17
4) NIH COBRE 1P20GM109096-01A1 Role: Faculty Biostatistician <i>Center for Childhood Obesity –Biosta</i> The goal of the COBRE is to develop a Center for Community Based Childho will accomplish this through a coordi <i>modifiable individual risk behaviors, a</i> <i>national risk reduction policies.</i>	atistics Core an integrated, interdisciplinary bod Obesity Prevention Resear nated, community-based appr	and translational translational (COPR). We to accurate the second se	10/01/16- 7/31/21
5) NIH/NICHD (R01HD039054) Role: Co-Investigator The primary goals of the study are to across the genome that are associate genetic variants associated with CHD ociated with CHDs in an independent specific DNA methylation profiles ass wide epigenetic study of case-and co	identify parental and fetal generation and with nonsyndromic CHDs, t in our initial genomic scan and population-based sample and ociated with CHDs by conduct	netic variants o confirm that re also ass- d to identify gene	4/01/12–3/31/18
6) CDC (U01DD001039) Ne Role: Co-Investigator Title: Arkansas proposal to participa Pregnancy exposureS (BD-STEPS) The major goal of this project is to bu Prevention Study to examine how r like diabetes and obesity may increa	ite in the Birth Defects Study t uild upon the results of the Nat maternal exposure to medica	to Evaluate tional Birth Defects tions and diseases	9/01/13–8/31/18

7) NIH/NIA (R01AG046171)	Kaddurah-Daouk(PI)	\$1,544,530	09/15/14 - 5/31/18
Role: Faculty Bioinformatician			
Currently under subcontract (PI: Bha		(FIE 10%)	
Title: Metabolic networks and pathwo	ays in Alzneimer's Disease		
8) NIH/ NIMH (5R01MH108348-02)	Kaddurah-Daouk(PI)	\$594,155	7/6/16 -3/31/2020
Role: Faculty Bioinformatician Subcontract pending ((PI: Bhattach	2204/2)	(ETE: 10%)	
Title: Metabolomic signatures predic			
depression			
INTRAMURAL:			
9) UAMS Pediatric Pharmacology/Toxic			1/10/12 - present
Role: Lead faculty Bioinformatician			
The contract within the department of		0 0 0	
collaboration with the Pharmacology			
bioinformatics analysis, develop reserved	arch ideas and help in experime	ntal designs, writing	
manuscripts and assisting with grant Development			
Development			
10) UAMS Pediatric Division of Allergy	Kennedy and Scurlock (PI)	2/1/17 - present
Role: Lead faculty Bioinformatician		(FTE: 5%)	
The contract within the department	of Pediatrics provides support fo	or on-going, long	
term collaboration with the Allergy fa	aculty for microbiome and gene	expression analyses	
related projects.			
11 Childron's University Medical Crown			0/1/15 7/21/17
11. Children's University Medical Group Title: miRNAs and metabolites in Asy		Iomon at Pick for	8/1/15 - 7/31/17
Chlamydia trachomatis Infection		UTIEN at KISK IUI	
Role: Co-Investigator			
Noie. Co-investigator			
12. Children's University Medical Group	(CUMG) Gill(PI)		1/1/16-
Title: Role of Bile Acid Deoxycholic a	cid (DCA) in Acetaminophen-in	duced	12/31/17
hepatotoxicity			
Role: Co-Investigator			
PENDING:			
1. NIH RO1 Yeruva (PI)	Pathogonosis by bast miRNAs		
<i>Title: Modulation of Chlamydial F</i> Period of support: 01/2018 – 12	- ,		
Role: Co-Investigator	72023		
2. NIH R21 Blossom (PI)			
Title: Defining Epigenetic Effects		Differentiation	
Period of support: 12/01/2017 -	- 11/30/2019		
Role: Co-Investigator			

COMPLETED FUNDING

 NIH/NIDDK (R01DK081406) Title: Identification of new mechanistic biomarkers of acetaminophen in children and adolescents. The goal of this project is to develop second generation toxicity using advanced proteomic and metabolomic Role: Co-Investigator 	ion biomarkers of acetaminophen	04/01/09–03/31/14
2. NIH/NICHD (HHSN275200800026C, LOI3-RT-01-F) National Children's Study: "Real-Time Analytics in the Compare mass spectrometry based on nanotechnolo spectrometry for detecting DNA adducts in existing o in terms of feasibility, acceptability and cost. Also de neonatal samples collected and stored using current generate state-of-the-art genomic and epigenomic p Role: Co-Investigator	by data to existing mass obstetrical and pediatric samples termine whether maternal and methods are robust enough to	01/10/12–09/30/14
 NIH/NCI (R01CA166060) <i>Title: "Breast Cancer Bone Metastasis"</i> The goal of this project is characterization of specific IL-8) that have been identified in the circulation of br metastasis. Role: Co-Investigator 		03/01/13–03/31/15
4. Marion B. Lyon Revocable Trust New Scientist Development Award (\$50,000) Title: "MicroRNA Expression in Pediatric Acetaminop	Bhattacharyya {PI) ohen Toxicity".	1/1/13 – 12/31/13
 Children's University Medical Group (CUMG) Title: Establishing a link between maternal lipid homeos Role: Principal Investigator (\$40,000) 	Bhattacharyya (PI) stasis and congenital heart defects.	1/1/14- 6/30/15
6. Children's University Medical Group (CUMG) Title: Predicting Rejection of Graft Tissue after Orthr Micro Ribonucleic Acid Analysis of Myocardial Tissu Role: Co-Investigator		1/1/14-6/30/15
7. Arkansas Biosciences Institute/Tobacco Funding <i>Title:</i> Core Metabolomics Laboratory (CML) at Arkan Role: Co-Principal Investigator	Melnyk(PI) sas Children's Research Ins	8/1/14 - 7/31/16
8. ACHRI/ABI recruitment fund (\$378,067; funds include <i>Title: Bioinformatics analysis of genomics and metabole</i> Role: Principal Investigator		1/01/12- 6/30/16
9. Arkansas Biosciences Institute <i>Title: Core Metabolomics Laboratory (CML) at ACRI</i> Role: Bioinformatics Consultant	Melnyk (PI)	8/1/13-7/31/14