

OTHER RESEARCH FROM THE 2008 NIDDK STEP UP PROGRAM

OBESITY AS A RISK FACTOR FOR DIABETES AND HYPERTENSION IN ADOLESCENTS

Student Researcher: Amelia Allen, Cass Technical High School

Mentor: Melanie Hanna-Johnson MD, Internal Medicine, Wayne State University, Detroit, Michigan

ASSOCIATION BETWEEN MICROALBUMINURIA AND hsCRP WITH WAIST CIRCUMFERENCE INDEPENDENTLY IN ADOLESCENT CHILDREN

Student Researcher: Teni Ayo-Ariyo, King/Drew Magnet High School

Mentor: Dr. Gangadarshni Chandramohan, Dept. of Endocrinology, Charles Drew University

TEXTURE OF T₁ρ AND T₂ IN ENZYMATICALLY DEGRADED ARTICULAR CARTILAGE

Student Researcher: Kimberly Loo, Piedmont Hills High School, San Jose, CA

Mentors: Carmen Taylor, Gabrielle Blumenkrantz, Ryan Doan, Sharmila Majumdar, PhD, Musculoskeletal and Quantitative Imaging Research Group, Department of Radiology, University of California, San Francisco, San Francisco, CA

ALCOHOL SELF-ADMINISTRATION IN RATS AS A FUNCTION OF FLAVOR VARIETY

Student Researcher: Andres Mallipudi, South Anchorage High School, Anchorage, Alaska

Mentors: Jennifer LaCasse, BA, Eric S. Murphy, PhD, Department of Psychology, University of Alaska Anchorage, Anchorage, Alaska

ADDRESSING HEALTH DISPARITIES USING PHOTOVOICE

Student Researcher: Quinton Miles, Mattie T. Blount High School

Mentors: Errol D. Crook, MD, Rachel D Foreman, MA, University of South Alabama Center for Healthy Communities and Department of Internal Medicine, Mobile, Alabama

ANTIOXIDANT POTENTIAL OF MARINE PRODUCTS IN FREE RADICAL SCAVENGING ASSAY

Student Researcher: Kealoha Kramer, Kamehameha Schools Hawai'i Campus

Mentors: Eun-Jung Park, PhD, John M. Pezzuto, PhD, College of Pharmacy, University of Hawaii at Hilo, Hawaii

ABSTRACTS

NATURALLY OCCURRING INHIBITORS OF RAS/RAF-1 INTERACTION IDENTIFIED BY THE YEAST TWO-HYBRID SYSTEM
David Menino, Annie Mar, Sarot Cheenpracha, Leng Chee Chang, Department of Pharmaceutical Sciences, College of Pharmacy, University of Hawaii Hilo, Hawaii Coy Choke Ho, School of Science and Technology, University of Malaysia, Sabah, Kota Kinabalu, Sabah, Malaysia

TOTAL ANTIOXIDANT CAPACITIES IN THE BRAIN TISSUES OF RATS EXPOSED TO HIV PROTEINS AND METHAMPHETAMINE

Sabrina Lynn Samonte, Wanyu Liu, Marla J Berry, Jun Panee, Dept. of Cell and Molecular Biology, John A Burns School of Medicine, University of Hawaii at Manoa, Honolulu, HI

THE IMPORTANCE OF TRAFFICKING PATHWAYS INVOLVED IN CELL INTOXICATION USING IMMUNOTOXIN LMB2

Student Researcher: Sherika Campbell, Brooklyn Friends School, Brooklyn, NY
Mentors: Lori L. Tortorella, Nina Pipalia, Frederick R. Maxfield, Department of Biochemistry, Weill Medical College of Cornell University, New York, NY

hPSO4 IS A U-BOX E3 UBIQUITIN LIGASE GENETICALLY ASSOCIATED WITH DNA REPAIR

Student Researcher: Richard A. Chiang, Saratoga High School, Saratoga, CA
Mentor: Brian Scottoline, MD, PhD, Stanford University, School of Medicine, Division of Oncology, Stanford, California

GONADOTROPIN-INHIBITORY HORMONE, GNIH, AND GONADOTROPIN-RELEASING HORMONE, GNRH, ACTIVITY IN THE BRAIN OF THE NORTHERN RED-BACK VOLE, *MYODES RUTILUS*

Student Researcher: Jonathan Anahonak, Port Graham Elementary/High School, Port Graham, Alaska
Mentors: Kalb Stevenson, Inst. of Arctic Biology, Department of Biology and Wildlife, University of Alaska Fairbanks, Fairbanks, Alaska and Dr. Ian van Tets Department of Biological Sciences, University of Alaska Anchorage, Anchorage, Alaska

HABITUATION TO FLAVORED FOODS AND BODY MASS INDEX IN DWARF HAMSTERS (*PHODOPUS CAMBELLI*)

Student Researcher: Emily Nosce, Ben Eielson High School, Eielson Air Force Base, Alaska
Mentors: Gwen Lupfer-Johnson, and Jennifer LaCasse, Department of Psychology, University of Alaska Anchorage, Anchorage, Alaska

EXAMINING COMMUNITY VIOLENCE AMONG SOUTHEAST ASIAN ADOLESCENTS

Student Researcher: Vi Le

Mentor: Eric Torres, University of California, San Francisco

INDIVIDUAL DIFFERENCES IN THE INNATE AND ADAPTIVE IMMUNE SYSTEMS OF DIFFERING RAT PHENOTYPES EXPOSED TO NICOTINE AND SALINE

Student Researcher: Leila Rogers, Palm Beach Central High School

Mentor: Dr. Vijaya Iragavarapu, Florida Atlantic University, Boca Raton, Florida

DIAGNOSTIC TESTING IN EPISODIC CUSHING'S SYNDROME

Marbella Eboni Allen, Dominguez High School

Dr. Theodore Friedman, Department of Internal Medicine, Division of Endocrinology

INHIBITION OF WEST NILE VIRUS REPLICATION BY BREFELDIN A IN HUMAN EMBRYONIC KIDNEY CELLS (HEK293)

Student Researcher: Fredalyn Alcaide, NIH Step up Program

OTHER PARTICIPATING STUDENTS:

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