

THE RESEARCH REVIEW

School of Medicine Quarterly Newsletter



NEW NIH AWARDS

Targeting the MEIG1/PACRG Interaction for Male Contraception

PI: Dr. Zhibing Zhang - Department of Physiology



Development of male contraceptives has lagged far behind that of female contraceptives. Current physical options for male birth control have limitations with respect to reliability, consistency of use, and invasiveness, respectively. Thus, our long-term objective is to develop a contraceptive that blocks the late stage of spermatogenesis without the use of hormones so that the effect is reversible with fewer/no side effects.

Resolvin D1 resolves inflammation in metabolic stress associated HFpEF

PI: Dr. Suresh Palaniyandi - Department of Physiology



Current heart failure (HF) treatments are not effective in heart failure with preserved ejection fraction (HFpEF), despite the fact that 50% of all HF cases in the USA are HFpEF. Patients with HFpEF have high incidences of mortality, hospitalizations, and a poor quality of life. Thus, there is a critical need to find suitable therapeutic strategies for patients with HFpEF, based on pathophysiology.

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**HEALTH RESEARCH
ASSOCIATES (HRA) CLASS
OF 2022-2023**

NEW EPA AWARD

Assessment of Underlying Molecular Mechanisms Promoting Adipogenic Outcomes in Complex Mixtures

PI: Dr. Christopher Kassotis- Department of Pharmacology



Contaminants can interact to produce combination effects other than those predicted by individual component chemicals. This proposal will directly interrogate the comparability of joint toxicity as well as the development of methods focused various levels of biological organization.

NEW IN RESEARCH NEWS

New NRSA Stipend/Salary FAQs

If you receive support through an institutional research training grant or individual fellowship, you may have wondered how the initial NRSA stipend level is determined for postdoctoral trainees and fellows, or when to expect your payments to increase if NIH announces an increase during your appointment. Find the answers to these questions and more in our new [Stipend/Salary FAQs](#).

Signing Officials Can Choose to Bypass 2-day Viewing Window for Administrative Supplements

To speed up the system processing of electronic administrative supplements, signing officials (SOs) have the option to bypass the 2-day application viewing window and allow the application to go straight to staff for processing.

Research Covered Under the Data Management & Sharing Policy

The DMS policy is effective for application deadlines on or after 1/25/23, please see the link to NIH's data management policy [Research Covered Under the Data Management & Sharing Policy | Data Sharing \(nih.gov\)](#) and the link to the NEXUS article which explains the requirements for the data management policy [FORMS-H: Instructions, Forms, and a Handy Checklist - NIH Extramural Nexus](#). This policy is applicable for research projects, which include multi-projects, career development awards, SBIR/STTR & Research Centers

For more info on NIH updates and things relevant to your research check out the [Research Administration Services \(RAS\) blog here](#).

COMPETING RENEWALS

Training Program in the Biology of Cancer

PI: Dr. Larry Matherly - Department of Oncology

Cancer is the 2nd major cause of human mortality in the US. It is our view that an interdisciplinary graduate curriculum with a focus on the biology of cancer that interfaces with clinicians engaged in cancer diagnosis and treatment provides an excellent means of training specialists with a sufficient breadth of perspective for successful careers in cancer research, education, clinical care or policy.

Analysis of Cellular Plasticity in White Adipose Tissue

PI: Dr. James Granneman- Center for Molecular Medicine & Genetics

The long-term goal of this project is to understand the cellular and molecular mechanisms of adipose tissue establishment, maintenance, and pathophysiological remodeling. Our central hypothesis is that adipose tissue plasticity involves the creation and resolution of dynamic adipogenic niches involving close interactions among specific stromal and immune cell subtypes.

HEALTH RESEARCH ASSOCIATES (HRA) CLASS

1. Dr. Maryam Tahvildari
2. Dr. Minhong Shen
3. Dr. Ryan Castoro
4. Dr. Jennifer Condon
5. Dr. Sreenivasa Chinni
6. Dr. Rodrigo Fernandez-Valdivia