

MaineHealth

MaineHealth Knowledge Connection

Costas T. Lambrew Research Retreat 2023

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5-2023

Maine Medical Center Mentored Research Grant Program

Crystal Nayock

Robert Koza

Rebecca Lamb

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MaineHealth Institute for Research Mentored Research Grant Program

The Scientific Review Committee on behalf of Crystal Nayock, Rebecca Lamb and Robert Koza
Maine Medical Center and The MaineHealth Institute for Research

Introduction

The MaineHealth Institute for Research (MHIR) Mentored Research Grant (MRG) Program was established ~2009 and currently allocates ~\$60,000 annually to promote and support clinical and translational research by early-career healthcare providers and scientists. This intramural grant program was created to encourage and support the intellectual curiosity and research capabilities of young early-stage investigators.

Details

- Funding amounts are limited to \$10,000 for research studies
- Research studies should be projected to take 1 year to complete
- This provides opportunity to support 6 investigators per year
- Those eligible to seek funding include:
 - ✓ MMC residents and fellow physicians
 - ✓ MMC junior providers within 5 years of terminal degree
 - ✓ MHIR post-doctoral fellows doing clinical research combined with translational and basic science components
- The Maine Medical Center (MMC) Scientific Review Committee (SRC) reviews submitted MRG proposals on a quarterly basis
- Recommendations are made to MaineHealth Vice President of Research
- Studies deemed 'human subjects' research would require IRB review and approval prior to being awarded
- Proposals submitted after depletion of the funding pool will be deferred to the first cycle of the following year.

Examples of active and past studies

Active

Virtual Reality Immersive Simulation as a Means to Increase Empathy in Physician Trainees: A Pilot Study

-Hannah Burley, MD 2022

Prospective Use of Hemolysis Index as a Surrogate for Clinical Hemolysis in Patients Receiving Temporary Mechanical Circulatory Support: Pilot Study

-Jacob Ortiz, MD 2022

Determining Neuregulin-4's relationship to inflammation during cardiopulmonary bypass

-Andrew Geissler, DO 2021

Comparison of Pharmacokinetics of Sublingual versus Oral Administration of 17β-Estradiol in Male-to-Female Transgender Patients

-Caitlin McCarthy, MD and Katherine Davis, MD 2021

Past (selected from ~47 MRG funded studies)

Identification of molecular treatment targets for COVID-19 through adenosinergic signaling pathways and neutrophil activation

-Jonathan Rud, DO, PhD 2020

Evaluation of Serial Biomarkers in Intermediate Risk Acute Pulmonary Embolism Patients (BioPE)

-Hilamber Subba, MD 2020

The Impact of Holding on Stress and Bonding in Mother-Infant Pairs during Therapeutic Hypothermia

-Alexa Craig, MD 2018

Evaluating Physician Attitudes Towards and Acceptance of General Diagnostic Checklists: A Multidisciplinary Study

-Tania Strout, PhD, RN, MS 2012

Comparison of Shivering, Energy Expenditure, and dEMG during Therapeutic Hypothermia after Cardiac Arrest

-Teresa May, MD 2011



MRG Grant Proposal Submission Dates 2023

Submission Deadline

January 16

April 10

July 10

October 16

SRC Review

February 7

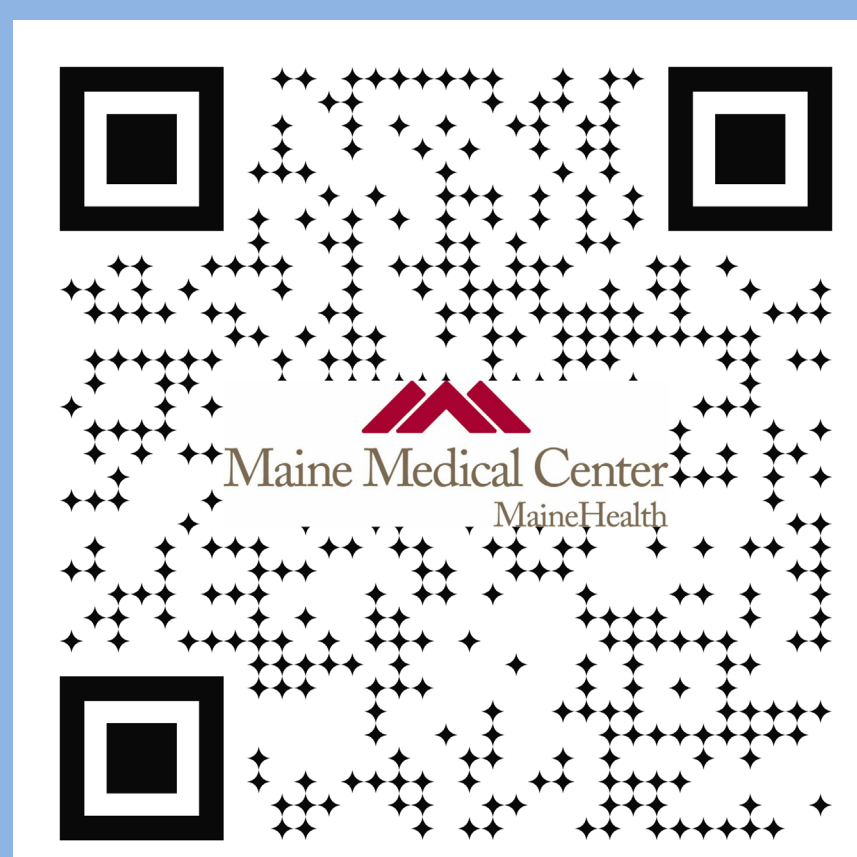
May 2

August 1

November 7

Note: The SRC Committee will review MRG proposals on the 1st Tuesday of February, May, August and November. Submission Deadlines are typically 2-3 weeks prior to the review date.

We hope that MRG grants financed by the MHIR will establish a pipeline for mentorship of early-career healthcare providers and scientists in addition to generating new knowledge that will be disseminated, via presentations and publications, to the broader medical, public health and scientific communities.



➔ **MHIR internet link to MRG**

The following resources are available to assist applicants:

- General information and MRG application forms: SRC@mmc.org
- Research Proposal development: Navigation@mainehealth.org
- Budget Development/Project management: ResearchPM@mainehealth.org

GLOSSARY OF TERMS

IRB	Institutional Review Board
MMC	Maine Medical Center
MHIR	MaineHealth Institute for Research
MRG	Mentored Research Grant
SRC	Scientific Review Committee

