

Welcome to the Masonic Medical Research Institute

Giving

Empowering Scientists

Masonic Medical Research Institute fosters an environment in which scientists can take risks on bold ideas with transformative potential



MMRI is an internationally recognized biomedical research institute founded by the Grand Lodge of Free and Accepted Masons in the State of New York in 1958.

“ I am tremendously proud of our team’s advances in knowledge and innovative approaches to disease therapy. We are committed to building an infrastructure of independent thinking and transparency to help promote the growth and curiosity of all our scientists. We are striving to make training and professional development a top priority.”

-Dr. Maria I. Kontaridis, Executive Director / Director of Research / Gordon K. Moe Professor and Chair Biomedical Research and Translational Medicine.

Faculty – Biomedical Research and Translational Medicine



Maria Kontaridis, Ph.D.

Executive Director/Director of Research/Gordon K. Moe Professor and Chair Biomedical Research and Translational Medicine



**Ademuyiwa Aromolaran, Ph.D.,
FHRS. FAHA**

Assistant Professor



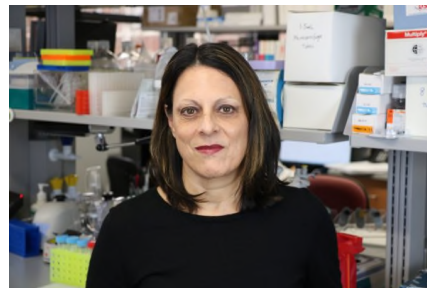
Adife Gulhan Ercan-Sencicek Ph.D.

Instructor



Chase Kessinger, Ph.D.

Instructor



Coralie Poizat, Ph.D.

Associate Professor



Gary Aistrup, Ph.D.

Research Assistant Professor



Jason McCarthy, Ph.D.

Associate Professor/Scientific Operations Manager



Jonathan Cordeiro, Ph.D.

Assistant Professor



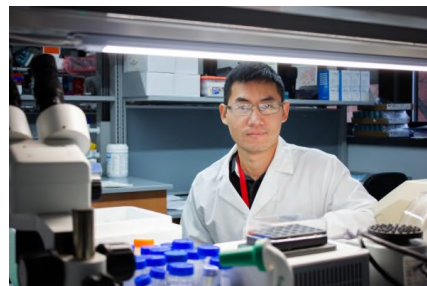
Nathan Tucker, Ph.D.

Assistant Professor



Sathyadev Unudurthi, Ph.D.

Instructor



Zhiqiang Lin, Ph.D.

Assistant Professor



Genetics Core

The ultimate goal of the MMRL's Molecular Genetics Core is to identify the factors that are responsible for diseases. This knowledge will facilitate the development of gene-specific therapies and cures for arrhythmias and identify individuals at risk for sudden cardiac deaths.

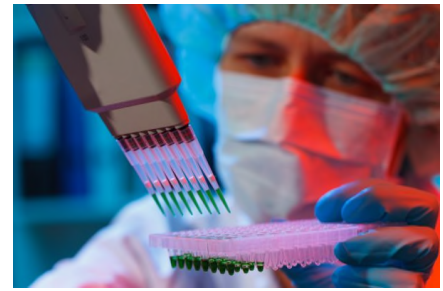
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Imaging Core

The Advanced Imaging Core at MMRI was developed to facilitate the non-invasive analysis of preclinical models of disease. The imaging suite is outfitted with state-of-the-art equipment for small animal in vivo imaging using fluorescence, x-ray computed tomography and ultrasound.

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Histopathology Core

The Histopathology Core at MMRI provides a range of histological services, including tissue fixation and processing, paraffin and cryosectioning, common and advanced histological stains, as well as immunohistochemistry and fluorescence staining.

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Inside MMRI



Assistant Professor in Utica Helping COVID-19 Response

Masonic Medical Research Institute in Utica is helping the Mohawk Valley Health System get COVID-19 test results back faster. "I enjoyed my time there, but always in the back of my mind, I was hopeful someday that I could get home,"

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Local agencies partner for autism research

"Autism is a common and complex disorder that causes lifelong disabilities for affected individuals and significant burdens for their families, society and schools," said Gulhan Ercan-Sencicek, Masonic Medical Research Institute autism researcher.

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News Release – MMRI researchers publish study

Scientists from the Masonic Medical Research Institute (MMRI), in collaboration with Nanion Technologies, recently published a study in Biochemical Pharmacology that addressed the deficiencies in potassium (K+) currents in hiPSC-CMs.

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Kontaridis putting expansive vision into play

Nanotechnology has come to Utica — but it's not where you might think. Nano-research is taking place at Masonic Medical Research Laboratory in Utica. It's one facet of the lab's growth under Director of Research Maria Kontaridis, who officially took over in 2018.

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Testimonials

“ With the MMRI opening its doors to him, Brian submitted DNA for testing and received updates on the results. Already a beneficiary of the Institute's research and advancement of life-saving technologies, such as those embodied in his ICD, he looks forward to the Institute's development of further diagnostic and therapeutic strategies that will enhance medical therapy for him and all future generations. ”



Brian Shrader

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Scientific Publications

Click below to access scholarly publications that report original empirical and theoretical work done at the Masonic Medical Research Institute.

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