

A landing pad tailor-made for bioscience



Molecular Sciences Research Center

cicim.upr.edu

- \$73 Million, 153,000 SF, eight-story R&D facility **located in the Science City District, San Juan**
- **State-of-the-art research center** with laboratory spaces, instrumentation, and scientific expertise
- Ideal for advanced research in **chemistry, neurobiology, biochemistry, molecular biology, and nanotechnology**



The MSRC should be on your radar if you are:

- a biotech start-up looking for a wet lab with full case work,
- a biopharma researcher that needs access to instrumentation and scientific expertise,
- a bioscience SBIR/STTR recipient looking for a home, or
- a life science therapeutic with success in the lab that is ready to graduate to animal preclinical trials.

Facility Specs

- Bioscience research center
- State-of-the-art vivarium for preclinical trials
- Bioscience-focused incubator
- Affiliated with the University of Puerto Rico

Services & Research Centers

- Nikon Center of Excellence in Microscopy
- Proteomics and genomics
- Clinical Bioreagent Center
- Materials Characterization Center (FDA audited laboratory)
- Molecular sciences drug discovery
- Wastewater purification and fuel cells services
- Natural product services
- X-ray diffraction facility
- Crystallization Design Institute
- Neuroplasticity center and chemical synthesis facility
- ASTRE Business and Innovation Center for biotech start-ups (coming Q1 2023)



Available Instrumentation

- State-of-the-art instrumentation for molecular structure characterization and analysis
- Five mass spectrometers
- 700 MHz NMR with ASEND AEON technology (DNA structure and protein analysis) and 500 MHz NMR
- FTIR and Raman spectroscopy
- UVP bioimaging system
- Atomic force and electron-scanning microscopes
- MALDI TOF/TOF
- Inductive coupled plasma-optical emission spectrometer (ICP-OES)
- X-ray powder diffraction and thin film diffraction (XRD)
- Single-crystal x-ray diffractometer
- X-ray photoelectron spectroscopy
- Gas and liquid chromatography mass spectrometers
- Flow Cytometer and Zetasizer-nano ranger
- Thermogravimetric analysis (TGA)