

# Resource Summary Report

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## XULA RCMI Molecular Structure and Modeling Core

RRID:SCR\_010219

Type: Tool

### Proper Citation

XULA RCMI Molecular Structure and Modeling Core (RRID:SCR\_010219)

### Resource Information

**URL:** <http://xula.eagle-i.net/i/00000134-fc0b-ad1d-77e4-a45080000000>

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**Description:** Core facility that provides the following services: X-ray crystallography service. A Molecular Structure and Modeling Core laboratory has been established to provide technical services to support faculty researchers involved in cancer research and drug design at Xavier University. Drug design methods use molecular structure information and modeling methods to determine structure patterns among active and inactive compounds, identify and compare potential active sites, and screen databases to identify new leads. X-ray crystallography provides structure coordinates for druglike, organic compounds and small peptides. The goal of this core laboratory is to provide small molecule X-ray crystallographic services as well as to support ligand-based and structure-based drug design projects at any stage. The long term goal is to develop resources in order to enhance cancer related biomedical research capability at Xavier University. To achieve this goal, the Molecular Structure and Modeling Core Laboratory has set the following specific aims: 1. To provide salary support for a Core Scientist to provide molecular modeling services and training in support of Xavier faculty research projects 2. To establish new collaborations with faculty at other local and RCMI institutions who might benefit from molecular modeling services 3. To provide small molecule x-ray crystallography services 4. To provide support and maintenance costs for equipment in the MSM Core

**Resource Type:** access service resource, core facility, service resource

**Keywords:** x-ray crystallography assay

**Resource Name:** XULA RCMI Molecular Structure and Modeling Core

**Resource ID:** SCR\_010219

**Alternate IDs:** nlx\_156698

**Record Creation Time:** 20220129T080257+0000

**Record Last Update:** 20260919T195855+0000

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## Ratings and Alerts

No rating or validation information has been found for XULA RCMI Molecular Structure and Modeling Core.

No alerts have been found for XULA RCMI Molecular Structure and Modeling Core.

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## Data and Source Information

**Source:** [SciCrunch Registry](#)

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## Usage and Citation Metrics

We have not found any literature mentions for this resource.