

Micro-Computed Tomography Imaging Facility

This is a multi-disciplinary facility with a SkyScan 1172 microCT instrument shared by researchers at Rutgers, The State University of New Jersey and at UMDNJ-RWJMS for high resolution, 3-dimensional (3D) imaging of x-ray attenuating samples. This instrument can hold samples up to 35 mm in diameter and resolve structures as small as 5 micrometers within the sample. It will be used for imaging of bone and bone biopsies, making use of specialized bone-specific software developed by Skyscan, for imaging soft tissues with the aid of contrast agents, and for biomaterials. After reconstruction in 3D, images can be downloaded to an external flash or hard drive and taken to the investigator's laboratory for image analysis using SkyScan software (Windows based) available to any authorized user of the facility.

Services and Pricing

Each principal investigator desiring to make use of the instrument should designate a user (either the PI or someone in their research group) to be trained in the operation of the unit and in image analysis.

Pricing is \$100 per hour of time on the machine from start-up if the PI or designated user performs the scans.

If the PI wishes to have the facility personnel perform the scans and/or analysis, the fee is \$150 per hour.

Software image analysis may be done on the facility computers associated with the machine at no charge.

Director of Facility:
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Website:
Under construction

Hours of Operation:
The Research Annex
building is open
Monday – Friday
8:30 A.M. – 4:30 P.M.

Location:
UMDNJ-Robert Wood
Johnson Medical School
Research Annex Room 157
675 Hoes Lane
Piscataway, NJ

*Key to Room 157 can be
picked up from:*

Arlene Clarke
UMDNJ-Robert Wood
Johnson Medical School
Research Tower
Room 132
675 Hoes Lane
Piscataway, NJ

or from

Dr. Buckendahl
Rutgers, State University
of New Jersey
Smithers Hall
Busch Campus
Room 103b
Piscataway, NJ