

Benefits

- **R & D Support**
- **Grants**
- **Data For Publications, Patents, Business Plans**
- **Licensing Opportunities**
- **Drug Lead Identification**

Cost

Three-Tier Rates:

Internal: Charges will be at cost. A marginal core facility fee will apply.

External (Academic/Non-Profit): At cost plus service charge.

Industrial: At competitive rates or broad access fee.



Applied Biosystems

For further information, please contact:

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<http://www.science.fau.edu/chemistry/instrumentation.html>

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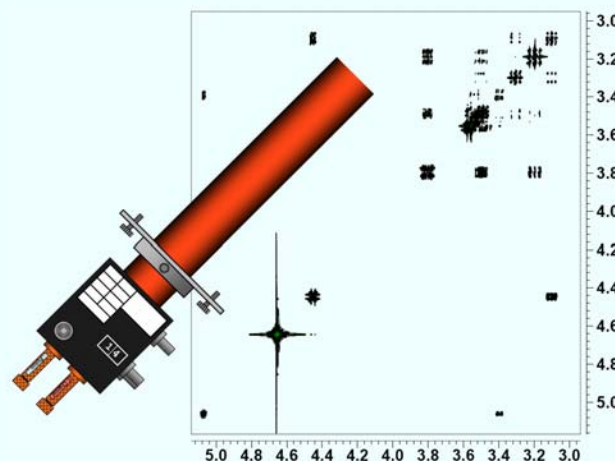
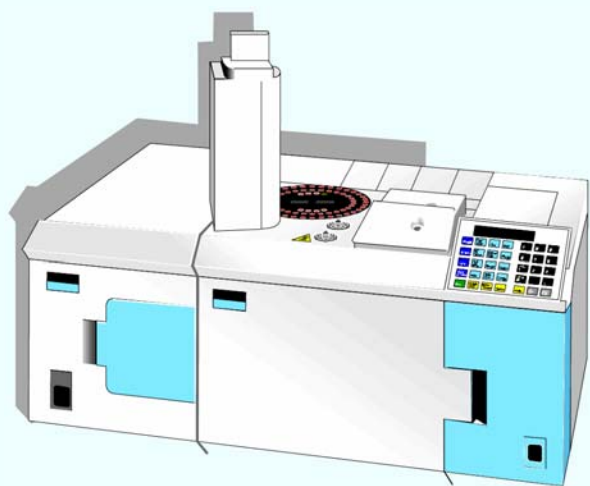
Instrumentation Core Facility

Meeting the Growing Needs of Academia, Industry and Non-Profit Organizations to Aid in Drug Discovery and Validation

Molecular Spectroscopy
Nuclear Magnetic Resonance
Mass Spectrometry
Peptide Synthesis

Mission

- Internally support departmental research by providing state of the art analytical services
- Provide core facility services to meet the research needs of the Charles E. Schmidt College of Science and the University
- Provide contract services that will meet the regional needs of academia and industry



Services

- Provide "from start to finish" complete chemical analysis

Molecular Spectroscopy
(FTIR, UV-Vis, Fluorescence)

Nuclear Magnetic Resonance
(e.g. - $^1\text{H}/^{19}\text{F}$, $^{13}\text{C}/^{31}\text{P}$, COSY, NOESY, HSQC, etc.)

Mass Spectrometry
(GC-MS, LC-MS/MS, MALDI-TOF)

Peptide Synthesis

Core Instrumentation

Molecular Spectroscopy

Jasco FTIR-4100 (ATR-capable)
Jasco J-810 Circular Dichroism
Perkin Elmer EZ-210 UV-Vis
Perkin Elmer LS-50B Fluorescence
Agilent 5453 UV-Vis
Agilent 1100 HPLC System
(Photodiode Array Detector)

Nuclear Magnetic Resonance

Varian Mercury Plus 400MHz
(4-NUC Broadband Probe)
Varian Unity Inova 500MHz
(2NUC Broadband Probe,
Triple-Resonance Indirect Probe,
gHX Nano Probe)

Mass Spectrometry

Voyager-DE STR MALDI-TOF
ThermoFinnigan LCQ Deca LC-MS
QStar XL (MALDI and LC-MS)
Perkin Elmer Autosystem XL/
TurboMass Gold GC-MS

Peptide Synthesis

Protein Technologies PS3