MAJOR INSTRUMENTS:

WATERS H-CLASS UPLC WITH UV FLUORESCENCE AND QDA MASS DETECTION:
- Drug formulation, concentration and stability analysis
- Analysis of peptides, proteins and RNA
- Intuitive operation, effortless integration & resolving complexity

THERMO TSQ ALTIS PLUS TRIPLE QUAD MASS SPECTROMETER
- Biomarker analysis in plasma and tissues
- Pharmacokinetics of complex molecules
- Biomacromolecule characterization

In-take Form here
BIBC-TechnologyCore@umich.edu
FORMULATION AND TRANSLATION CORE
LOCATION: NCRC B20 - 126W-A

ALSO AVAILABLE:

- Xevo G2-XS QTOF Mass Spectrometer
- Thermo Scientific LTQ Velos Ion Trap LC/MS
- Wyatt DAWN® Multi-Angle static Light Scattering (MALS), Viscostar detectors in conjunction with conventional column heated Waters GPC/RI detection
- Agilent 2100 Bioanalyzer for lipid nanoparticle (LNP) formulation and analytical characterization methodologies for RNA delivery

AFFILIATED CORE EQUIPMENT:

- Labconco Freeze Dryer System
- Thermo Scientific Multifuge X1 Pro Centrifuge
- Fisherbrand Oven, Shaking incubator
- Waters e2695 Separation Module
- TRACE™ 1600 Series Gas Chromatograph
- Coulometric KF Tritor for water determination
- Procept 4M8-TriX Spray-dryer
- TruSpec Micro for detection of carbon, hydrogen, nitrogen, sulfur and oxygen in solid or liquid micro samples
- Cell culture equipment
- Retsch Cryomill
- Thermo Scientific -80C freezer
- Spectramax Plus and Promega Glomax explorer plate readers
- Avestin air pressure homogenizer
- Thermo Scientific water purification system

SERVICES:

- User training for selected instruments
- Support on sample analysis and experiment design
- Access to bulk laboratory supplies (i.e. pipette, buffer solutions, pH meter, vortex, scale)
- Access to BI Nanotechnicum for characterization/analysis of nanomaterials
- Support on market assessment and FDA regulation
- Access to affiliated Core equipment

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