

Thank you to the following Core Facilities and Offices for participating in the Fourth Annual Lewis Landsberg Research Day:

Bioinformatics Core (BioGNU)

Biomedical informatics expertise and services that broadly encompass the design, development, and operation of web-based data access, data handling services, data integration services and data analysis services for life science data

Services Provided: Bioinformatics systems development and consulting; Bioinformatics software-vector NTI site license; Matlab site license; Direct project support for phenotype/genotype studies

Director: Warren Kibbe, PhD

Location: 676 N Saint Clair, 12th floor, Chicago Campus

Web Site: http://www.cancer.northwestern.edu/Research/core_facilities_info.cfm?ID=1

Biostatistics Core

Biostatistical support and expert consultation for the planning, design, development and execution of studies, and the analysis and interpretation of data, as well as the preparation of reports and manuscripts for basic science, clinical and epidemiologic research projects

Services Provided: Development of new studies, statistical analyses, data management and education

Director: Jenny Huang, PhD

Location: 680 N. Lake Shore Drive, 11th floor, Chicago Campus

Web Site: http://www.cancer.northwestern.edu/Research/core_facilities_info.cfm?ID=2%20

Cell Imaging Facility

Studies biological processes at the tissue, cellular, and subcellular levels

Services Provided: Light microscopy, electron microscopy, and image processing/analysis

Director: Teng-Leong Chew, MD

Location: 303 E. Chicago Avenue, Morton & Searle Buildings, 2nd Floor, Chicago Campus

Web Site: <http://www.feinberg.northwestern.edu/cif/>

Flow Cytometry—Interdepartmental Immunobiology Center

Access to "user friendly" instrumentation for strictly analytical flow cytometry applications

Services Provided: Routine data collection/analysis consultation for experiment design and sample preparation; cell sorting and assay development, user access to Becton Dickinson flow machines; training for usage of machines is provided as a prerequisite for use of the facility.

Director: Stephen Miller, PhD

Location: 300 E. Superior, Tarry Building, 6th Floor, Chicago Campus

Web Site: <http://www.medschool.northwestern.edu/depts/ibc/core.html>

Flow Cytometry—Robert H. Lurie Comprehensive Cancer Center of Northwestern University (RHLCCC)

Comprehensive flow cytometry and cell sorting services

Services Provided: Routine data collection/analysis consultation for experiment design and sample preparation; cell sorting and assay development, user access to Becton Dickinson flow machines; training for usage of machines is provided as a prerequisite for use of the facility.

Director: Charles Goolsby, PhD

Location: 710 North Fairbanks Court, 8th Floor, Chicago Campus

Web Site: http://www.cancer.northwestern.edu/Research/core_facilities_info.cfm?ID=7

Genomics Core Facility

Gene expression profiling, SNP analysis, DNA extraction and DNA sequencing

Services Provided: High Through put DNA extraction; SNP Analysis; Whole Genome Amplification; Expression profiling services; Globin mRNA ; reduction from blood total RNA; RNA quality control; RT-PCR; Sequencing; Educational Activities; Instrument usage

Director: Nadereh Jafari, PhD

Location: 300 E. Chicago Avenue, Ward Building, 9th Floor, Chicago Campus

Web Site: <http://www.medschool.northwestern.edu/cgm/genomics/index.html/>

Monoclonal Antibody Core

Creation of hybridoma cell lines & production of monoclonal antibodies from these cell lines

Services Provided: Immunization of animals with antigens or direct injection of cDNAs, test bleeds, evaluation of immune response, somatic cell fusions, screening and cloning of hybridomas, antibody isotyping and mycoplasma testing, large scale antibody production

Director: Izolda Popova, MD, PhD

Location: 300 E. Chicago Avenue, Ward Building, 19th Floor, Chicago Campus

Web Site: <http://www.basic.northwestern.edu/sharedresources/monoclonal/>

Transgenic-Targeted Mutagenesis Facility

Produce knockout chimeric mice using homologous recombination and mouse embryonic stem cells

Director: Warren Tourtellotte, PhD, Lynn Doglio, PhD

Location: 300 E. Superior, Tarry Building, 4th Floor, Chicago Campus

Web Site: http://www.lurie.northwestern.edu/Research/core_facilities_info.cfm?ID=17

Behavioral Phenotyping Core Facility

Director: John Disterhoft, PhD

Location: 320 East Superior, Searle Building 5th Floor, Chicago Campus

Email: jdisterhoft@northwestern.edu

Viral Vector Facility

Helper-free recombinant AAV and HIV-based lentiviral vectors

Services Provided: The center offers two classes of viral vectors; recombinant adeno-associated virus (AAV) and recombinant lentivirus. Both are commonly used in the nervous system because they can infect and transduce non-dividing neurons. Lentiviruses are commonly used to transduce stem cells.

Director: Martha C. Bohn, PhD

Location: 2430 N. Halsted, Chicago, IL 60614, Children's Memorial Research Center

Web Site: <http://www.childrensmrc.org/vector/>

Mary Beth Donnelley Clinical Pharmacology Facility

The Donnelley Clinical Pharmacology Core Facility was established to provide investigators with pharmacokinetic support for clinical studies, including Phase I and Phase II clinical trials, of cancer chemotherapeutic agents and analgesics. Support includes optimizing the design, conduct, analysis, and interpretation of the pharmacokinetic portion of the proposed clinical study.

Director: Michael Avram, PhD

Location: 303 E Chicago Ave, Ward Building, 13th Floor, Chicago Campus

Email: mja190@northwestern.edu

Institute for Women's Health Issues

Director: Teresa Woodruff, PhD

Location: 303 E. Superior, Lurie Building, 5th Floor, Chicago Campus

Website: <http://www.womenshealth.northwestern.edu>

Office for Research Integrity

ORI partners with the research community in innovative and effective ways to minimize and manage research compliance risks. ORI provides education for the research community with respect to appropriate business practices related to the conduct of research at Northwestern University; and monitors and corrects non-compliance in accordance with University and federal guidelines.

Services Provided: Help desk for all things research, research related training and education, research compliance risk assessments, resources for research and research administration, faculty conflict of interest policy, scientific misconduct investigations

Director: Ann K. Adams, Associate Vice President for Research Integrity

Location: 750 N. Lake Shore Drive, Rubloff Building, 7th Floor, Chicago Campus

Web Site: <http://www.research.northwestern.edu/ori/>

And a special thanks to the

Women Faculty Organization

The Northwestern Medical Women Faculty Organization (WFO) is committed to promoting women faculty members at all levels of their careers at the medical school and beyond. We invite you to learn more about our multi-faceted organization and what the WFO offers to women in medicine.

Chair: Beatrice J. Edwards, MD, FACP

Website: <http://www.feinberg.northwestern.edu/faculty-staff/wfo/index.html>