Norris Cotton Cancer Center Affiliated Shared Resources

**General Information.**
All Shared Resources recover costs through user fees. Fees are strictly based on cost and determined by the individual Resources. Norris Cotton Cancer Center directly subsidizes the Cancer Center Shared Resources enabling them to charge prices that are below cost.
To use any Shared Resource you must be registered on the Cancer Center Core Operations Database (CCOPs). Register by emailing ccops@dartmouth.edu. For assistance navigating the Shared Resource Portal email sbobin@dartmouth.edu.

**NCCC Shared Resource Portal for Translational Science**
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Rubin 6 DHMC Campus
Faculty Director: Craig Tomlinson, PhD
Contact: Stephen Bobin, sbobin@dartmouth.edu
Services: Shared Resource Management, Navigating the NCCC shared resources.

**Bioinformatics**
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Rubin 7 DHMC Campus
Faculty Director: Jason Moore, PhD
Contact: Walter Taylor, Walter.Taylor@dartmouth.edu
Services: Project design, Genomic analysis, transcriptome analysis, metabolome analysis.

**Biostatistics**
http://cancer.dartmouth.edu/res/shared_resources.html
Location: Rubin 8 DHMC Campus
Faculty Director and Contact: Tor D. Tosteson, ScD, Tor.Devin.Tosteson@Dartmouth.edu
Services: Consultation, collaboration, planning, development, data analysis.

**Clinical Pharmacology**
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Borwell Research Building, Room 322W DHMC campus
Faculty Director: Lionel D. Lewis, MD
Contact: Bernard Beaulieu, Bernard.B.Beaulieu.Jr@Dartmouth.EDU
Services: Biorepository, consultation, pharmacokinetic and pharmacodynamic assays, see website for more information.
Cell Imaging
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Borwell Research Building, Room 322W DHMC campus
Faculty Director: Craig Tomlinson, PhD
Contact: Kenneth A. Orndorff, Kenneth.A.Orndorff@Dartmouth.EDU
Services: Confocal Microscopy, Microscopy Training and Shared Instruments.

Genomics Shared Resource
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Rubin 6 DHMC Campus
Faculty Director: Craig Tomlinson, PhD
Contact: Heidi Trask
heidi.w.trask@dartmouth.edu
Services: Microarrays, deep sequencing and related services.

Geospatial Shared Resource
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Rubin 837 DHMC Campus
Faculty Director: James Sargent, M.D.
Contact: Heather Carlos
heather.carlos@dartmouth.edu
Services: Data acquisition and analysis, project design, spatial analysis, mapping.

Immune Monitoring—Flow Cytometry-DartLab
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Rubin 7 and Borwell 3 DHMC Campus
Faculty Director: Jacqueline Y. Channon Smith, PhD
Contact: Alan Bergeron
alan.j.bergeron@dartmouth.edu
Services: Immunoassays, Flow Cytometry Cell Sorting, and more. See website.

Irradiation and Animal Imaging Shared Resource
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Borwell Research Building 2nd Floor DHMC Campus
Faculty Director: P. Jack Hoopes, DVM, PhD
Contact: Rendall R. Strawbridge
rendall.r.strawbridge@dartmouth.edu
Services: Cs-137 irradiator, clinical irradiations, and more see website.

Molecular Biology Shared Resource
http://cancer.dartmouth.edu/res/shared_resources.html
Location: Remsen 243 Hanover Campus
Faculty Director: Yolanda Sanchez, PhD
Contact: Christian Lytle
christian.lytle@dartmouth.edu
Services: DNA sequencing, DNA fragment analysis.
Office of Clinical Research
http://cancer.dartmouth.edu/res/shared_resources.html
Location: Rubin 8 DHMC campus
Faculty Director: James R. Rigas, MD
Contact: Nancy Rollings, RN, MEd
Nancy.J.Rollings@Dartmouth.edu
Services: Provides necessary components for conducting clinical cancer research, see website for more information.

Pathology Translational Research
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Borwell Research Building 4th floor DHMC Campus
Faculty Director: Gregory J. Tsongalis, PhD and Wendy A. Wells, MD
Contact: Carol R. Hart Carol.R.Hart@Hitchcock.ORG
Services: Tissue procurement, processing, histology services, molecular pathology services, TMA production, laser capture microdissection.

Proteomics
Location: Rubin 7 DHMC Campus
Faculty Director: Scott Gerber, PhD
Contact: Stephen Bobin sbobin@dartmouth.edu,
Outsourced Services: Protein identification (Gel bands), protein post-translational modification analysis (Gel bands), and general protein/peptide LC-MS services.

Speed Congenics - DartMouse
http://dms.dartmouth.edu/dgml
Location: Borwell Research Building 610W
Faculty Director: Jack D. Gorham, MD
Contact: Kristen-Ashley (Sissy) Muirhead
Services: Mouse speed congenic development, mouse genetic analysis, and mapping.

Transgenics and Genetic Constructs
http://cancer.dartmouth.edu/res/shared_resources_alpha.html
Location: Rubin 6 DHMC Campus
Faculty Director: Steven Fiering, PhD
Contact: Jen Fields Jennifer.L.Fields@Dartmouth.edu
Services: Genetically modified mice and related services see website.
Dartmouth College and Dartmouth Medical School Affiliated Shared Resources

Center for Biological and Biomedical Computing  
www.dartmouth.edu/~cbbc/  
Location: Remsen 211 Hanover Campus  
Faculty Director and contact:  
Robert Gross, PhD  
Robert.H.Gross@Dartmouth.EDU  
Services: Computational biology resources and more see website.

Dartmouth Electron Microscope Facility  
http://www.dartmouth.edu/~emlab/  
Location: Remsen 247 Hanover Campus  
Faculty Director and contact:  
Charles P. Daghlian, PhD  
charles.p.daghlian@dartmouth.edu  
Services: Scanning and transmission electron microscopy and more see website.

Shared Instrument Resource  
http://cancer.dartmouth.edu/res/shared_resources_alpha.html  
Location: Remsen 243 Hanover Campus  
Faculty Director: Yolanda Sanchez, PhD  
Contact: Christian Lytle christian.lytle@dartmouth.edu  
Services: Analytical Instruments walk up use some require training.

Trace Element Analysis Core  
www.dartmouth.edu/~toxmetal/  
resources/cores/analysis/index.html  
Location: 224 Steele Hanover Campus  
Faculty Director and contact:  
Brian Jackson, PhD  
bpj@dartmouth.edu  
Services: Trace elemental analysis, elemental speciation, and elemental imaging.

Biomedical NMR Research Center  
www.dartmouth.edu/~nmrbrl/  
Location: Vail 7 Hanover Campus  
Faculty Director and contact: Jeff Dunn, PhD  
Jeffrey.F.Dunn@Dartmouth.Edu  
Services: In vivo Micro-imaging and more see website.