

## **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](mailto:ccops@dartmouth.edu). For assistance navigating the Shared Resource Portal email [sbobin@dartmouth.edu](mailto:sbobin@dartmouth.edu).

### **NCCC Shared Resource Portal for Translational Science**

[http://cancer.dartmouth.edu/res/shared\\_resources\\_alpha.html](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](mailto:sbobin@dartmouth.edu)

Services: Shared Resource Management, Navigating the NCCC shared resources.

### **Bioinformatics**

[http://cancer.dartmouth.edu/res/shared\\_resources\\_alpha.html](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](mailto:Walter.Taylor@dartmouth.edu)

Services: Project design, Genomic analysis, transcriptome analysis, metabolome analysis.

### **Biostatistics**

[http://cancer.dartmouth.edu/res/shared\\_resources.html](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](mailto:Tor.Devin.Tosteson@Dartmouth.edu)

Services: Consultation, collaboration , planning, development, data analysis.

### **Clinical Pharmacology**

[http://cancer.dartmouth.edu/res/shared\\_resources\\_alpha.html](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](mailto: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](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](mailto: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](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](mailto:heidi.w.trask@dartmouth.edu)

Services: Microarrays, deep sequencing and related services.

### **Geospatial Shared Resource**

[http://cancer.dartmouth.edu/res/shared\\_resources\\_alpha.html](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](mailto: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](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](mailto: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](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](mailto: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](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](mailto:christian.lytle@dartmouth.edu)

Services: DNA sequencing, DNA fragment analysis.

**Office of Clinical Research**

[http://cancer.dartmouth.edu/res/shared\\_resources.html](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](mailto: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](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](mailto: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](mailto: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](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](mailto: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/](http://www.dartmouth.edu/~cbbc/)

Location: Remsen 211 Hanover Campus

Faculty Director and contact:

Robert Gross, PhD

[Robert.H.Gross@Dartmouth.EDU](mailto: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. Daghljan, PhD

[charles.p.daghljan@dartmouth.edu](mailto:charles.p.daghljan@dartmouth.edu)

Services: Scanning and transmission electron microscopy and more see website.

### **Shared Instrument Resource**

[http://cancer.dartmouth.edu/res/shared\\_resources\\_alpha.html](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](mailto:christian.lytle@dartmouth.edu)

Services: Analytical Instruments walk up use some require training.

### **Trace Element Analysis Core**

[www.dartmouth.edu/~toxmetal/](http://www.dartmouth.edu/~toxmetal/)

[resources/cores/analysis/index.html](http://resources/cores/analysis/index.html)

Location: 224 Steele Hanover Campus

Faculty Director and contact:

Brian Jackson, PhD

[bjj@dartmouth.edu](mailto:bjj@dartmouth.edu)

Services: Trace elemental analysis, elemental speciation, and elemental imaging.

### **Biomedical NMR Research Center**

[www.dartmouth.edu/~nmrbrl/](http://www.dartmouth.edu/~nmrbrl/)

Location: Vail 7 Hanover Campus

Faculty Director and contact: Jeff Dunn, PhD

[Jeffrey.F.Dunn@Dartmouth.Edu](mailto:Jeffrey.F.Dunn@Dartmouth.Edu)

Services: In vivo Micro-imaging and more see website.