

Shared Resources at NCI-designated Cancer Centers

Sorted by Institution (Source: Category I Data Submitted in FY 2007)

**Institution***Name of Resource*

Resource Director(s)

Baylor College of Medicine*Protein Expression & Proteomics*

Edwards, Dean, PhD

Genetically Engineered Mouse

DeMayo, Francesco J., PhD

Flow Cytometry

Lewis, Dorothy E., PhD

Genomic Profiling

White, Lisa D., PhD

Integrated Microscopy

Mancini, Michael A., PhD

Burnham Institute for Medical Research*Animal Resources*

Stallcup, William, PhD

Proteomics

Smith, Jeffrey, PhD

Cell Imaging & Histology

Ranscht, Barbara, PhD

Structural Biology

Liddington, Robert, PhD

Gene Analysis

Hauser, Craig, PhD

High Throughput Cell Analysis

Mercola, Mark, PhD

Chemical Library Screening

Mercola, Mark, PhD

Case Western Reserve University*Cytometry*

Jacobberger, James W., PhD

Imaging Research

Duerk, Jeffrey L., PhD / Flask, Christopher, PhD

Gene Expression & Genotyping

Veigl, Martina L., PhD

Hybridoma

Colmenares, Clemencia, PhD

Confocal Microscopy

Nieminen, Anna-Liisa, PhD

Radiation Resources

Oleinick, Nancy L., PhD

Proteomics

Chance, Mark, PhD / Kinter, Mike T., PhD

Athymic Animal & Xenograft

Liu, Lili, MD, PhD / Lindner, Daniel PhD

Transgenic & Targeting Core

Conlon, Ronald, PhD

City of Hope / Beckman Research Institute*Analytical Cytometry*

DiGiusto, David, PhD

Analytical Pharmacology

Newman, Edward, PhD / Synold, Timothy, PhD

Cytogenetics

Slovak, Marilyn, PhD

DNA Sequencing

Forrest, Gerald, PhD / Hector, Rivera, PhD

DNA / RNA / Peptide Synthesis

Kaplan, Bruce, PhD / Swiderski, Piotr, PhD

Functional Genomics

Richard, Jove, PhD

Mass Spectrometry & Proteomics

Lee, Terry, PhD

Transgenic Mouse

Tsark, Walter, PhD / Piroaska, Szabo, PhD

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Resource Director(s)

Cold Spring Harbor Laboratory

<i>Animal</i>	Mills, Alea
<i>Flow Cytometry</i>	Tansey, William
<i>Gene Targeting</i>	Skowronski, Jacek
<i>Microscopy</i>	Spector, David
<i>Antibody</i>	Krainer, Adrian
<i>Proteomics</i>	Myers, Michael
<i>DNA Sequencing</i>	McCombie, W. Richard
<i>Microarray</i>	Lucito, Robert

Columbia University Health Sciences

<i>Animal & Transgenic</i>	Constantini, Franklin, PhD
<i>Confocal Microscopy</i>	Pon, Liza, PhD
<i>Flow Cytometry Facility</i>	Diamond, Betty, MD
<i>Molecular Pathology</i>	Hibshoosh, Hanina, MD
<i>Radiation Laboratory Research</i>	Lieberman, Howard, PhD
<i>DNA Analysis & Sequencing / Genomics Technology</i>	TBN

Dana-Farber Cancer Institute

<i>Cancer Pharmacology</i>	Supko, Jeffrey G., PhD
<i>Cancer Proteomics</i>	Liebermann, Towia A., PhD
<i>DNA Resource</i>	LaBaer, Joshua, MD, PhD
<i>Monoclonal Antibody</i>	DeCaprio, James A., MD
<i>Rodent Histopathology</i>	Benjamin, Thomas L., PhD
<i>Cytogenetics</i>	Lee, Charles, PhD
<i>High-Throughput Polymorphism Detection</i>	Hunter, David, MD, ScD / Kwiatkowski, David, MD

Dartmouth College

<i>Flow Cytometry / Fluorescence Imaging</i>	Givan, Alice, PhD
<i>Hybridoma Library / Monoclonal Antibody Production</i>	Morganelli, Peter N., MD
<i>Irradiation</i>	Hoopes, P. Jack, PhD
<i>Molecular Biology & Proteomics</i>	Hamilton, Joshua A., PhD
<i>Immune Monitoring Laboratory</i>	Channon-Smith, Jacqueline Y., PhD
<i>Microarray</i>	Tomilson, Craig R., PhD
<i>Transgenic Mouse</i>	Fiering, Steven, N., PhD

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Duke University

<i>Confocal Microscopy</i>	McClay, David, PhD
<i>DNA Analysis / Automated Sequencing / Phosphoimaging</i>	Tedder, Thomas, PhD / Langdon, Scott, PhD
<i>Flow Cytometry Facility</i>	Cook, Michael, PhD
<i>High-Res NMR Spectroscopy / X-Ray Crystallography</i>	Spicer, Leonard, PhD / Beese, Lorena, PhD
<i>Luciferase Molecular In Vivo Imaging</i>	Dewhirst, Mark, DVM, PhD
<i>Proteomics</i>	Haystead, Timothy, PhD
<i>Immunoincompetent Rodent & Biohazard Facility</i>	Norton, John, DVM, PhD / Bigner, Darell, MD, PhD
<i>DNA Microarray</i>	Dressman, Holly, PhD / Nevins, Joseph, PhD
<i>Radiolabeling Facility</i>	Zalutsky, Michael, PhD
<i>Transgenic & Knock Out Mouse</i>	Hogan, Brigid, PhD / Norton, John, PhD

Fox Chase Cancer Center

<i>Biochemistry & Biotechnology</i>	Yeung, Anthony, PhD
<i>Cell Sorting</i>	Hardy, Richard R., PhD
<i>Cell Imaging</i>	Yen, T.J., PhD
<i>DNA Sequencing</i>	Hardy, Richard R., PhD
<i>Electron Microscope</i>	Jarnik, Michael, PhD
<i>Genetic Monitoring</i>	Rozmiarek, H., DVM, PhD
<i>Histopathology</i>	Klein-Szanto, Andres, MD
<i>Hybridoma</i>	TBN
<i>Irradiation Facility</i>	Brown, D., PhD
<i>Laboratory Animal</i>	Rozmiarek, H., DVM, PhD
<i>Laboratory Animal Health</i>	Rozmiarek, H., DVM, PhD
<i>Organic Synthesis</i>	Dunbrack, R., PhD
<i>Research Cytogenetics & Genomics</i>	Testa, Joseph, PhD
<i>Spectroscopy Support</i>	Roder, Heinrich, PhD
<i>Transgenic Mouse</i>	Kappes, Dietmar, PhD
<i>Molecular Modeling</i>	Dunbrack, R., PhD
<i>DNA Microarray</i>	Li, Y-S., PhD

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Fred Hutchinson Cancer Research Center

<i>Animal Health Resources</i>	Weigler, Benjamin, DVM
<i>Biologics Production Facility</i>	Manger, Ron, PhD
<i>Electron Microscopy</i>	Schneider, Bobbie
<i>Flow Cytometry</i>	Berger, A., PhD / Rabinovitch, P., PhD
<i>Genomics Resource</i>	Delrow, Jeffrey, PhD
<i>Proteomics Resource</i>	Gafken, Philip, PhD
<i>Scientific Imaging</i>	Vazquez, Julio, PhD
<i>High-Throughput Genetics (DEV)</i>	Geraghty, Dan, PhD
<i>Molecular Imaging Resource (DEV)</i>	Eary, Janet, MD

Georgetown University

<i>Animal</i>	Clarke, Robert, PhD / Hilakivi-Clarke, Leena, PhD
<i>Familial Cancer Registry</i>	Isaacs, Claudine, MD
<i>Flow Cytometry/Cell Sorting</i>	Creswell, Karen, PhD
<i>Macromolecular Analysis</i>	Shah, Salimuddin, PhD / Resson, Habtom, PhD
<i>Microscopy & Imaging</i>	Mueller, Susette, PhD
<i>Transgenic</i>	Gallicano, Ian, PhD

H Lee Moffitt Cancer Ctr & Res Inst

<i>Flow Cytometry</i>	Djeu, Julie, PhD
<i>Molecular Biology</i>	Chen, Jiandong, PhD
<i>Microarray</i>	Yeatman, Timothy, MD
<i>Proteomics</i>	Koomen, John, PhD
<i>HTS & Chemistry</i>	Guida, Wayne, PhD
<i>Mouse Models</i>	Luetke, Noreen, PhD
<i>Analytic Microscopy</i>	Coppola, Domenico, MD / Bui, Marilyn, MD, PhD

Indiana University (Purdue Univ at Indianapolis)

<i>Flow Cytometry</i>	Srouf, Edward, PhD
<i>Biological Microscopy</i>	Dunn, Kenneth, PhD
<i>Transgenic & Knockout Mouse</i>	Field, Loren, PhD

Jackson Laboratory

<i>Mouse Models Resource</i>	Davisson, Muriel T., PhD
<i>Genome Sciences</i>	Naggert, Jurgen K., PhD
<i>Histopathology & Microscopy Sciences</i>	Smith, Richard S., MD, DSC
<i>Phenotyping Sciences</i>	Roopenian, Derry C., PhD
<i>Reproductive Sciences - Cell Biology & Microinjection</i>	Gridley, Thomas, PhD
<i>Reproductive Sciences - Rederivation, Cryo & Reconstitution</i>	Taft, Robert, PhD

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Johns Hopkins University

<i>Animal Resources</i>	Vogelstein, Bert
<i>cDNA Microarray Core</i>	Baylin, Stephen, MD
<i>Cancer Molecular Imaging</i>	Bhujwalla, Zaver, PhD
<i>Cell Imaging</i>	Bunz, Fred, MD, PhD
<i>Cytogenetics</i>	Griffin, Constance, MD
<i>Experimental Irradiators</i>	Younggang, Zhang, MD
<i>Flow Cytometry</i>	Drake, Charles, MD, PhD
<i>Mass Spectrometry</i>	Cole, Robert, PhD
<i>Medicinal Chemistry Core</i>	Khan, Saeed, PhD

Massachusetts Institute of Technology

<i>Biopolymers Core Facility</i>	Yaffe, Michael
<i>Bioinformatics & Computing Core Facility</i>	Mesirov, Jill
<i>Flow Cytometry Core Facility</i>	Chen, Jianzhu
<i>Histology Core Facility</i>	Lees, Jacqueline
<i>Microarray Technologies Core Facility</i>	Lees, Jacqueline
<i>Shared Research Resources</i>	Housman, David
<i>Transgenic Animal Core Facility</i>	Hynes, Richard
<i>Virus Production Core Facility</i>	Hemann, Michael

Mayo Clinic Rochester

<i>Pharmacology</i>	Ames, M.M., PhD
<i>Immunotherapy</i>	Dietz, A.B., PhD
<i>Cytogenetics</i>	Jenkins, R.B., MD, PhD
<i>Molecular Biology</i>	Wieben, E., PhD / Aleff, R.
<i>Genotyping</i>	Cunningham, J., PhD
<i>Microarray</i>	Raghavakaimal, S., PhD
<i>Protein Chemistry & Proteomics</i>	McCormick, D.J., PhD / Bergen, H.R., PhD
<i>Flow Cytometry / Optical Morphology</i>	Liebson, P., MD, PhD / Tarara, J.E.
<i>Electron Microscopy</i>	Salisbury, J.L., PhD
<i>Animal Models</i>	Van Deursen, J., JMA, PhD

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New York University School of Medicine

<i>Analytical Chemistry</i>	Solomon, Jerome, PhD
<i>Core Clinical Laboratory</i>	Liebes, Leonard, PhD
<i>Experimental Animal & Exposure</i>	Kam-Meng Tchou-Wong, PhD
<i>Experimental Pathology</i>	Loomis, Cynthia, MD, PhD
<i>Flow Cytometry & Cell Sorting</i>	Dustin, Michael, PhD
<i>Mouse Imaging</i>	Turnbull, Dan, PhD
<i>Proteomics</i>	Neubert, Thomas, PhD
<i>Transgenic Mouse</i>	Ceci, Jeffrey, PhD

Northwestern University

<i>Cell Imaging</i>	Chew, Teng-Leong, PhD
<i>Flow Cytometry</i>	Goolsby, Charles, PhD
<i>Epigenomics Core (DEV)</i>	Soares, Bento, PhD
<i>Keck Biophysics</i>	Widom, Jonathan, PhD
<i>Mouse Phenotyping Facility</i>	Crawford, Susan, MD
<i>Monoclonal Antibody</i>	Chisholm, Rex, PhD
<i>Structural Biology Facility</i>	Mondragon, Alfonso, PhD
<i>Transgenic Targeted Mutagenesis</i>	Tourtellotte, Warren, MD, PhD
<i>Genomics Core Facility</i>	Jafari, Nadereh, PhD
<i>Viral Vector Core (DEV)</i>	Bohn, Martha, PhD
<i>Cancer Therapeutics & Diagnostic Screening (DEV)</i>	Weiss, Eric, PhD

Ohio State University Foundation

<i>Analytical Cytometry</i>	Chalmers, Jeffery J., PhD
<i>Microarray</i>	Liu, Chang-Gong, PhD
<i>Transgenic Animal</i>	Otoshi, Akihira, MD, PhD / Young, Anthony P., PhD
<i>Molecular Cytogenetics</i>	Heerema, Nyla, A., PhD
<i>Mouse Phenotyping</i>	Kusewitt, Donna F., DVM, PhD
<i>Proteomics</i>	Green-Church, Kari, PhD
<i>Nucleic Acid (DEV)</i>	Alder, Hansjuerg, PhD
<i>Small Animal Imaging (DEV)</i>	Kuppusamy, Periannan, PhD

Oregon Health & Science University

<i>Cancer Pathology</i>	Corless, Christopher, MD, PhD
<i>Flow Cytometry</i>	Streeter, Philip, MD, PhD
<i>Gene Microarrays</i>	Harrington, Christina, PhD
<i>Proteomics</i>	David, Larry, PhD
<i>Transgenic / Gene Knockout</i>	Low, Malcolm, MD, PhD

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Purdue University West Lafayette*Analytical Cytology*

Robinson, J. Paul, PhD

DNA Sequencing

San Miguel, Philip, PhD

Macromolecular Crystallography

Friedman, Alan, PhD

Mass Spectrometry

Regnier, Fred E., PhD

Nuclear Magnetic Resonance (NMR)

Post, Carol B., PhD

Transgenic Mouse

Konieczny, Stephen F., PhD

Roswell Park Cancer Institute Corp*Biopolymer Resource*

Kazim, A. Latif, PhD

Cell Analysis Resource

Black, Jennifer, PhD

Microarray & Genomic Resource

Nowak, Norma, PhD

Flow Cytometry Resource

Wallace, Paul, PhD

Gene Expression Resource

Hawthorn, Lesleyann, PhD

Gene Targeting & Transgenics

Gross, Kenneth, PhD / Pruitt, Steven, PhD

Laboratory Animal Resource

Jackson, Charles / Buitrago, Sandra, DVM

NMR Resource

Szyperski, Thomas, PhD

Preclinical Imaging Resource

Mazurchuk, Richard, PhD

Translational Research Tissue Support Resource

Cheney, Richard, MD

Proteomics (DEV)

Kazim, A. Latif, PhD

Pharmacokinetic / Pharmacodynamic (DEV)

Pendyala, L., PhD / Muindi, J., MD, PhD

shRNA Resource (DEV)

Gelman, Irwin, PhD

Salk Institute for Biological Studies*Peptide Synthesis*

Hunter, Tony, PhD

Cytometry & Imaging

Eckhart, Walter, PhD

Functional Genomics

Ecker, Joseph, PhD

Transgenic Animal Facility

Lee, Kuo-Fen, PhD

Proteomics (DEV)

Hunter, Tony, PhD

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Resource Director(s)

Sloan-Kettering Institute for Cancer Research

<i>Animal Health</i>	Wolf, Felix, DVM, PhD
<i>Animal Imaging</i>	Koutcher, Jason, MD, PhD / Larson, Steve, MD
<i>Flow Cytometry</i>	Hendriks, P. Jan, PhD
<i>Gene Transfer & Somatic Cell Engineering</i>	Sadelain, Michel, MD, PhD / Riviere, Isabelle, PhD
<i>General Animal Facility</i>	Lipman, Neil, VMD
<i>Genomics</i>	Viale, Agnes
<i>Microchemistry Core</i>	Tempst, Paul, PhD
<i>Molecular Cytology</i>	Resh, Marilyn, PhD
<i>Monoclonal Antibody</i>	Denzin, Lisa, PhD
<i>Organic Synthesis</i>	Ouerfelli, Oathek, PhD
<i>Transgenic Mouse</i>	Lacy, Elizabeth, PhD
<i>X-Ray Crystallography Facility</i>	Pavletich, Nikola, PhD
<i>Proteomics (DEV)</i>	Tempst, Paul, PhD
<i>Molecular Cytogenetics (DEV)</i>	Chaganti, Raju, PhD / Pandolfi, Pier P., MD, PhD

St. Jude Children's Research Hospital

<i>Animal Resource Center</i>	Rahija, Richard, DVM, PhD
<i>Bioinformatics & Biotechnology</i>	Naeve, Clayton, PhD
<i>Cell Microinjection</i>	Lahti, Jill, PhD
<i>Cytogenetics</i>	Lahti, Jill, PhD
<i>Flow Cytometry & Cell Sorting</i>	Ashmun, Richard, PhD
<i>Protein Production</i>	Rock, Charles, PhD
<i>Scientific Imaging</i>	Murti, Kuruganti, PhD
<i>Transgenic Gene Knockout</i>	Grosveld, Gerard, PhD
<i>Vector Development & Production</i>	Gray, John T., PhD

Stanford University

<i>Animal Tumor Models & Histopathology</i>	Garcia, M., DVM, PhD / Tolwani, R., DVM, PhD
<i>Transgenic & Knockout Mouse</i>	Cleary, M., MD / Felsher, D., MD, PhD / Chen-Tsai, Y., PhD
<i>Cancer Imaging</i>	Contag, C., PhD / Doyle, T., PhD
<i>Cell Sciences Imaging</i>	Smith, Stephen, PhD / Mulholland, Jon
<i>Flow Cytometry</i>	Herzenberg, L., PhD / Nolan, G., PhD / Parks, D., PhD
<i>DNA Microarray</i>	Sherlock, G., PhD / Parks, D., PhD
<i>Proteomics</i>	Jackson, P., PhD / Wang, E., PhD

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Resource Director(s)

Thomas Jefferson University

<i>Bioimaging Facility</i>	Keen, James, PhD
<i>Flow Cytometry</i>	Zhang, Jianke, PhD
<i>Laboratory Animals</i>	Buchberg, Arthur, PhD
<i>Nucleic Acid Facility</i>	Fortina, Paolo, PhD
<i>Protein / Peptide Chemistry / Molecular Interaction</i>	Root, Michael, PhD
<i>Transgenic / Knockout Mouse</i>	Landel, Carlisle, PhD
<i>X-Ray Crystallography</i>	Williams, John, PhD
<i>Microarray (DEV)</i>	Fortina, Paolo, PhD

Univ of Med/Den New Jersey (RW Johnson Med Sch)

<i>Analytical Cytometry / Image Analysis</i>	Laskin, Deborah L., PhD
<i>DNA Sequencing</i>	Goss Kinzy, Terri, PhD
<i>Laboratory Support Services</i>	Lattime, Edmund C., PhD
<i>Transcriptional Profiling</i>	Notterman, Daniel, MD
<i>Transgenic/Knockout Mouse Service</i>	Shen, Michael M., PhD

University of Alabama at Birmingham

<i>Molecular Biology / Recombinant Protein Facility</i>	Morrow, Casey D., PhD
<i>DNA Sequencing</i>	Hahn, Beatrice H., MD
<i>High Resolution Imaging</i>	Keyser, Kent T., PhD
<i>Mass Spectroscopy / Proteomics</i>	Barnes, Stephen, PhD / Kim, Helen, PhD
<i>Molecular MNR</i>	Krishna, N. Rama, PhD
<i>Gene Expression</i>	Dumanski, Jan, PhD
<i>Small Animal Imaging</i>	Zinn, Kurt, DVM, PhD
<i>Radiolabeling / Imaging / Dosimetry</i>	Safavy, Ahmad, PhD
<i>Transgenic Animal / Embryonic Stem Cell</i>	Kesterson, Robert A., PhD
<i>X-Ray Crystallography</i>	DeLucas, Lawrence J., O.D, PhD

University of Arizona

<i>Analytical Core</i>	Chow, Sherry, PhD / Stratton, Steve, PhD
<i>Experimental Mice</i>	Schroeder, Joyce, PhD
<i>Experimental Radiation</i>	Hamilton, Russell, PhD
<i>Flow Cytometry</i>	Trevor, Katrina, PhD
<i>Genetically Modified Mice</i>	Erickson, Robert, MD
<i>Cancer Imaging</i>	Lynch, Ron, PhD
<i>Genomics</i>	Watts, George, PhD / Futscher, Bernard, PhD
<i>Proteomics</i>	Tsapralis, George, PhD
<i>Synthetic Chemistry</i>	Mash, Eugene, PhD
<i>Model Organism (DEV)</i>	Brower, Danny, PhD

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Resource Director(s)

University of California Davis

<i>Gene Expression</i>	Gregg, Jeff, MD
<i>Mouse Biology</i>	Lloyd, Kent, DVM, PhD
<i>Optical Biology</i>	Radke, Katheryn, PhD
<i>Animal Imaging</i>	Cherry, Simon, PhD / Wisner, Erik, DVM
<i>Protein Identification Core (DEV)</i>	Kung, Hsing-Jien
<i>Combinational Chemistry Core (DEV)</i>	Lam, Kit, MD, PhD

University of California Irvine

<i>DNA Sequencing Facility</i>	Moyzis, Robert, PhD
<i>DNA & Protein MicroArray Facility</i>	Sandmeyer, Suzanne, PhD
<i>In Vivo Functional Onco-Imaging</i>	Gulsen, Gultekin, PhD / Su, Min-Ying, PhD
<i>Optical Biology LAMMP Facility Optical Biology</i>	Tromberg, Bruce, PhD / Marsh, Larry, PhD
<i>Protein Expression</i>	Jurnak, Frances, PhD
<i>Transgenic Mouse Facility</i>	Lander, Arthur, MD, PhD

University of California Los Angeles

<i>Family & Genetic Evaluation</i>	Ganz, Patricia, MD / Seldon, Joyce, MS, CGC
<i>Flow Cytometry</i>	Jamieson, Beth, PhD
<i>Gene Expression Core</i>	Nelson, Stanley, MD / Denny, Christopher, MD
<i>Proteomics & Mass Spectrometry</i>	Loo, Joseph, PhD / Haykinson, Michael, PhD
<i>Nude / SCID Mouse</i>	Zack, Jerome, PhD
<i>Small Animal Imaging</i>	Herschman, Harvey, PhD
<i>Transgenic and ES Cell Shared Resource (DEV)</i>	Wu, H., MD, PhD / Liu, X., MD, PhD / Jiang, M., PhD

University of California San Diego

<i>DNA Sequencing</i>	Wasserman, Linda, MD, PhD
<i>Flow Cytometry</i>	Kipps, Thomas J., MD, PhD
<i>Histology & Immunohistochemical</i>	Varki, Nissi, MD
<i>Microscopy</i>	Feramisco, James R., PhD
<i>Microarray</i>	Wachsman, William, MD, PhD
<i>Transgenic Mouse</i>	Mellon, Pamela, PhD

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University of California San Francisco

<i>Array</i>	Albertson, Donna, PhD
<i>Genome Analysis</i>	Balmain, Allan, PhD
<i>Immunohistochemistry & Molecular Pathology</i>	Waldman, Frederic, MD, PhD
<i>Laboratory for Cell Analysis</i>	Pinkel, Daniel, PhD
<i>Mouse Pathology</i>	Coussens, Lisa, PhD / Kogan, Scott, MD
<i>Transgenic / Targeted Mutagenesis</i>	Killeen, Nigel, PhD
<i>Preclinical Therapeutics (DEV)</i>	Akhurst, Rosemary, PhD
<i>Mass Spectrometry (DEV)</i>	Fisher, Susan, PhD

University of Chicago

<i>Integrated Light Microscopy</i>	Glick, Benjamin, PhD
<i>DNA Sequencing & Genotyping</i>	Gilliam, T. Conrad, PhD
<i>Human Immunologic Monitoring</i>	Gajewski, Thomas, MD, PhD
<i>Immunology Applications (3 components)</i>	Hart, John, MD / Sperling, Anne, PhD / Montag, Anthony, MD
<i>MRI & Spectroscopy</i>	Karczmar, Gregory, PhD / Roman, Brian, PhD
<i>Oligopeptide Synthesis-Sequence</i>	Schwartz, Nancy B., PhD
<i>Scientific Visualization & Image Analysis</i>	Nishikawa, Robert, PhD
<i>Transgenic & Embryonic Stem Cell Technology</i>	Millen, Kathy PhD

University of Colorado Denver/HSC Aurora

<i>Cytogenetics</i>	Varella-Garcia, Marileila, PhD
<i>DNA Sequencing & Analysis</i>	Drabkin, Harry, MD
<i>Flow Cytometry & Immunology</i>	Hogan, Christopher, PhD / Cambier, John, PhD
<i>Gene Expression</i>	Geraci, Mark, MD / Haugen, Bryan, MD
<i>Laboratory Animals</i>	Stevens, James, DVM, PhD
<i>Pathology</i>	Franklin, Wilbur, MD / Richer, Jennifer, PhD
<i>Proteomics</i>	Duncan, Mark, PhD
<i>Structural Biology</i>	Jones, David, PhD / Churchill, Mair, PhD
<i>Tissue Culture / Monoclonal Antibody</i>	Nordeen, Steve, PhD

University of Hawaii at Manoa

<i>Analytical Laboratory</i>	Franke, Adrian, PhD
<i>Genotyping</i>	Le Marchand, Loic, MD, PhD
<i>Laboratory Support</i>	Fritzinger, David, PhD

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University of Iowa

<i>Flow Cytometry Facility</i>	Ballas, Zuhair, MD
<i>Tissue Culture Hybridoma</i>	Lovig, Charles A., PhD
<i>Central Microscopy Research</i>	Moore, Kenneth C.
<i>DNA Core</i>	Knudtson, Kevin, L., PhD
<i>Large Scale Digital Cell Analysis System</i>	Ianzini, Fiorenza, PhD / Mackey, Michael, PhD
<i>Radiation & Free Radical Research</i>	Spitz, Doug R., PhD
<i>Small Animal Imaging</i>	Hichwa, Richard, PhD

University of Michigan

<i>Flow Cytometry</i>	Todd, Robert III, MD, PhD
<i>Morphology</i>	Welsh, Michael, PhD
<i>DNA Sequencing</i>	Lyons, Robert, PhD
<i>Animal</i>	Dyson, Melissa, DVM
<i>Transgenic Animal</i>	Camper, Sally, PhD
<i>Experimental Irradiation</i>	Lawrence, Theodore, MD, PhD
<i>cDNA Affymetrix and Microarray</i>	Macoska, Jill, PhD
<i>Immunologic Monitoring</i>	Chang, Alfred, MD

University of Minnesota Twin Cities

<i>Analytical Biochemistry</i>	Hecht, Stephen, PhD
<i>Cytogenetics</i>	Hirsch, Betsy, PhD
<i>Flow Cytometry</i>	LeBien, Tucker, PhD
<i>Mouse Genetics Laboratory</i>	Largaespada, David, PhD
<i>Histopathology (DEV)</i>	Carlson, Cathy, DVM, PhD

University of Nebraska Medical Center

<i>Animal Facility</i>	Lawson, Terence, PhD
<i>Cell Analysis</i>	Kuszynski, Charles, PhD
<i>Histology</i>	Wing, Chung (John) Chan, MD
<i>Mass Spectrometry</i>	Cerny, Ron, PhD
<i>Molecular Biology</i>	Hollingsworth, Michael, PhD
<i>Monoclonal Antibodies</i>	Johnson, Donald, PhD
<i>NMR</i>	Wang, Guangshun, PhD
<i>Tissue Procurement</i>	Bridge, Julia, MD
<i>Confocal Microscopy</i>	Christman, Judith, PhD

Institution*Name of Resource*

Resource Director(s)

University of New Mexico Albuquerque*Flow Cytometry*

Edwards, Bruce, PhD

Microscopy & Cell Imaging

Wandinger-Ness, Angela, PhD

Genomics

Ness, Scott, PhD

Proteomics (DEV)

Enke, Chris, PhD / Mobarak, Charlotte, PhD

Human Imaging (DEV)

Eberhardt, Steven, MD / Sillerud, Laurel, PhD

Animal Models & Imaging (DEV)

Hathaway, H., PhD / Dai, D., PhD / Norenberg, J., PhD

University of North Carolina Chapel Hill*Animal Procedures*

Weissman, Bernard, PhD

Animal Histopathology

Qing, Yang, PhD

Animal Models

Thresher, Randy, PhD / Van Dyke, Terry, PhD

Small Animal Imaging

Weili, Lin, PhD

DNA Sequencing & High-Throughput Genotyping

Livingstone, Laura, PhD

Facilities & Biosafety

Kramer, M., BS / Swanstrom, R., PhD

Flow Cytometry

Arnold, Larry, PhD

Structural Biology

Redinbo, Matthew, PhD

Genomics & Bioinformatics

Topal, Michael, PhD

Microscopy & Imaging (2 Components)

Griffith, Jack, PhD / Bagnell, Robert, PhD

Proteomics

Parker, Carol, PhD / Xian, Chen, PhD

Vector

Samulski, R. Jude, PhD / Beecham, E. Jeffrey

University of Pennsylvania*Biomedical Imaging Core*

Yu, Qian-Chun, MB, PhD

DNA Sequencing Facility

Ganguly, Tapan, PhD

Flow Cytometry & Cell Sorting Facility

Moore, Jonni, PhD

Microarray Core

Baldwin, Donald, PhD

Proteomics Core

Blair, Ian, PhD

Transgenic & Chimeric Mouse Facility

Cooke, Nancy, MD / Liebhaber, Stephen, MD

Human Immunology Core

June, Carl, MD

Small Animal Imaging Core

Chodosh, Lewis, MD, PhD / Schnall, Mitchell, MD, PhD

Shared Resources at NCI-designated Cancer Centers

Sorted by Institution (Source: Category I Data Submitted in FY 2007)

**Institution***Name of Resource*

Resource Director(s)

University of Pittsburgh

<i>Animal Facility</i>	Newsome, Joseph, DVM
<i>Cell & Tissue Imaging Facility</i>	Watkins, Simon, PhD
<i>Basic Genomics & Proteomics Facility</i>	Ferrell, Robert, PhD
<i>Flow Cytometry Facility</i>	Donnenberg, Albert, PhD
<i>Transgenic & Chimeric Mouse</i>	Khillan, Jaspal, PhD
<i>Clinical Genomics Facility</i>	Monzon, Federico, MD
<i>Oligonucleotide Synthesis Facility</i>	Hatfull, Graham, PhD / Hempel, John, PhD
<i>PET Facility</i>	Mountz, J., MD, PhD / LaFramboise, W., PhD
<i>Peptide Synthesis Facility</i>	Montelaro, Ronald, PhD
<i>MRI Facility</i>	Wiener, Erik, PhD / Boada, Fernando, PhD

University of Southern California

<i>Flow Cytometry & Immune Monitoring Core Facility</i>	Horwitz, David, MD / Kast, W. Martin, PhD
<i>Microchemical Core Laboratory</i>	McMillan, Minnie, PhD
<i>Transgenic / Knockout Core Mouse Facility</i>	Maxson, Robert, PhD
<i>Genomics Core Facility</i>	Coetzee, Gerhard, PhD
<i>Cell & Tumor Imaging Core Facility</i>	Hinton, David, MD
<i>Microarray Core Facility</i>	Triche, Timothy, MD

University of Texas Hlth Sci Ctr San Antonio

<i>Antigen & Antibody Production</i>	Christy, Barbara A., PhD
<i>Flow Cytometry</i>	Gazitt, Yair, PhD
<i>Genetic Mouse Models</i>	Walter, Christi A., PhD
<i>Laboratory Animal Resources</i>	Wolf, Robert H., DVM, MS
<i>Pharmacology</i>	Takimoto, Chris H., MD, PhD
<i>Protein-Protein Interactions</i>	Lafer, Eileen M., PhD
<i>Macromolecular Structure</i>	Hinck, Andrew P., PhD
<i>Mass Spectrometry</i>	Weintraub, Susan T., PhD
<i>Microarray Shared Resource</i>	Kruzelock, Russell P., PhD
<i>Optical Imaging</i>	Lechleiter, James D., PhD / Frohlich, Victoria, PhD
<i>Cytogenetics & Genetics Resource</i>	Leach, Robin J., PhD

Shared Resources at NCI-designated Cancer Centers

Sorted by Institution (Source: Category I Data Submitted in FY 2007)

**Institution***Name of Resource*

Resource Director(s)

University of Texas MD Anderson Can Ctr

<i>Macromolecular Analysis Facility</i>	deCrombrugge, Benoit, MD
<i>Flow Cytometry & Cellular Imaging Facility</i>	Andreeff, Michael, MD, PhD
<i>Genetically Engineered Mouse</i>	Klein, William H., PhD
<i>Genomics Facility</i>	Hamilton, Stanley R., MD
<i>High Resolution Electron Microscopy Facility</i>	Langley, Robert, PhD
<i>Peptide Synthesis Facility</i>	Arlinghaus, Ralph B., PhD
<i>Pharmacology & Analytical Center</i>	Newman, Robert A., PhD
<i>Research Animal Support Facility</i>	Tinkey, Peggy, DVM
<i>Research Histopathology</i>	Hamilton, Stanley R., MD
<i>Small Animal Imaging Facility</i>	Hazle, John, PhD

University of Utah

<i>DNA Sequencing</i>	Escobar, Helaman
<i>DNA/Peptide Resource</i>	Schackmann, Robert, PhD
<i>Mass Spectrometry Resource</i>	Nelson, Chad, PhD
<i>Fluorescence Microscopy Resource</i>	Rodesch, Christopher K., PhD
<i>Microarray Resource</i>	Dalley, Brian K., PhD
<i>Nuclear Magnetic Resonance Resource</i>	Skalicky, Jack, PhD

University of Vermont

<i>Cell Imaging Facility</i>	Taatjes, Douglas, PhD
<i>DNA Analysis Facility</i>	Heintz, Nicholas, PhD
<i>Flow Cytometry Facility</i>	Heintz, Nicholas, PhD
<i>Molecular Methods Core</i>	Heintz, Nicholas, PhD

University of Virginia Charlottesville

<i>Advanced Microscopy Facility</i>	Redick, Jan A.
<i>DNA Sciences Core</i>	Bao, Yongde, PhD
<i>Flow Cytometry</i>	Lannigan, Joanne, MS
<i>Lymphocyte Culture Core</i>	Sutherland, William M., PhD
<i>Mass Spectrometry Core</i>	Sherman, Nicholas E., PhD
<i>Protein Sciences Core</i>	Shannon, John D., PhD
<i>Small Animal Multi-Modality Imaging</i>	Berr, Stuart S., PhD
<i>Gene Targeting & Transgenic Facility</i>	Xu, Wenhao, PhD
<i>Molecular Assessment & Preclinical Studies Core</i>	Brautigan, David, PhD

Institution*Name of Resource*

Resource Director(s)

University of Wisconsin Madison

<i>Pharmacokinetics, Pharmacodynamics & Pharmacogenetics (3P) Lab</i>	Kolesar, Jill, PhD
<i>Experimental Pathology</i>	Pitot, Henry, MD
<i>Flow Cytometry</i>	Ritter, Mark A., MD, PhD
<i>Proteomics</i>	Sussman, Michael R., PhD
<i>Scientific Instrumentation Facility</i>	Hank, Jacquelyn A., PhD
<i>Small Animal Imaging</i>	Weichert, Jamey P., PhD
<i>Small Molecule Screening</i>	Hoffmann, F. Michael, PhD
<i>Transgenic Animal Facility</i>	Griep, Anne E., PhD

Vanderbilt University

<i>Bioanalytical Facility</i>	Hachey, David L., PhD
<i>Cell Imaging</i>	Piston, David W., PhD
<i>DNA Microarray</i>	Levy, Shawn E., PhD
<i>Flow Cytometry & Cell Sorting</i>	Crowe, James E. Jr., MD
<i>Immunohistochemistry</i>	Nanney, Lillian B., PhD
<i>Monoclonal Antibody</i>	Reynolds, Al, PhD
<i>Proteomics</i>	Liebler, Daniel C., PhD
<i>Small Animal Imaging</i>	Gore, John C., PhD
<i>Tissue Protein Profiling / Imaging</i>	Caprioli, Richard M., PhD
<i>Transgenic Mouse / ES Cell</i>	Emeson, Ronald, PhD

Virginia Commonwealth University

<i>Flow Cytometry</i>	Grogan, William M., PhD
<i>Hybridoma & Cell Production</i>	Bear, Harry, MD, PhD
<i>Molecular Biology</i>	Taylor, Shirley, PhD
<i>Nucleic Acid Sequencing & Synthesis</i>	Buck, Gregory, PhD
<i>Structural Biology</i>	Chlebowski, Jan, PhD
<i>Transgenic Mouse</i>	Windle, Jolene, PhD

Wake Forest University Health Sciences

<i>Biomolecular Resource Laboratory</i>	Lively, Mark, PhD / Thomas, Michael, PhD
<i>Cellular Imaging Core</i>	Willingham, Mark, PhD
<i>Microarray Core Laboratory</i>	Chen, Yong Q., PhD
<i>X-Ray Crystallography (DEV)</i>	Lowther, Todd, PhD / Hollis, Thomas, PhD
<i>Biomolecular Imaging (DEV)</i>	Robbins, Michael, PhD

Shared Resources at NCI-designated Cancer Centers

Sorted by Institution (Source: Category I Data Submitted in FY 2007)

**Institution***Name of Resource*

Resource Director(s)

Washington University

<i>Embryonic Stem Cell Core</i>	Ley, Timothy J., MD
<i>Molecular Core Laboratory</i>	Zehnbauer, Barbara A., PhD
<i>Multiplexed Gene Analysis Core</i>	Watson, Mark A., MD, PhD
<i>Small Animal Cancer Imaging Core</i>	Ackerman, Joseph, PhD / Welch, Michael J., PhD
<i>High Speed Cell Sorter Core</i>	Graubert, Timothy A., MD
<i>Proteomics Core</i>	Townsend, R. Reid, MD, PhD
<i>Good Manufacturing Practice (DEV)</i>	Linette, Gerald, MD, PhD

Wayne State University

<i>Confocal Imaging</i>	Moin, Kamiar, PhD
<i>Flow Cytometry</i>	Wilson, George D., PhD
<i>Genomics</i>	Land, Susan J., PhD
<i>Human Tissue & Pathology</i>	Adsay, N. Volkan, MD
<i>Pharmacology</i>	Li, Jing, PhD

Wistar Institute

<i>Animal Facility</i>	Erikson, Jan, PhD
<i>Flow Cytometry Facility</i>	Montaner, Luis, DVM, PhD
<i>Genomics Facility</i>	Showe, Louise, PhD
<i>Histotechnology Facility</i>	Heber-Katz, Ellen, PhD
<i>Hybridoma Facility</i>	Caton, Andrew, PhD
<i>Microscopy Facility</i>	Heber-Katz, Ellen, PhD
<i>Mouse Genetics Facility</i>	Capobianco, Anthony, PhD
<i>Protein Expression Facility</i>	Shiekhattar, Ramin, PhD
<i>Proteomics Facility</i>	Speicher, David, PhD

Yale University

<i>Proteomics</i>	McMurray, Walter J., PhD / Stone, K., B.A.
<i>Flow Cytometry</i>	Shlomchik, Mark, MD, PhD
<i>Critical Technologies for Tissue Services</i>	Rimm, David, MD, PhD
<i>Cesium 137 Irradiator</i>	Nath, Ravinder, PhD
<i>Animal Genomics</i>	McGrath, J., MD, PhD / Nottoli, T., PhD
<i>Microarray</i>	Hager, Janet, PhD / Mane, Shrikant, PhD

Shared Resources at NCI-designated Cancer Centers

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**Institution***Name of Resource*

Resource Director(s)

Yeshiva University (Albert Einstein College of Med)*Analytical Imaging*

Condeelis, John, PhD / Macaluso, Frank, MS

Animal Barrier

Herbst, Lawrence, DVM, PhD

Genomics

Morrow, Bernice, PhD / Reynolds, David, BS

Flourescence Activated Cell

Porcelli, Steven, MD / King, William, MS

Gene Targeting

Edelmann, Winfried, PhD / Hou, Harry

Genome Imaging

Montagna, Cristina, PhD

Histopathology

Mahmood, Radma, PhD / Sellers, Rani, DVM, PhD

Proteomics

Angeletti, Ruth, PhD / Nieves, Edward, BS

Structural Biology

Almo, Steven, PhD / Girvin, Mark, PhD

Transgenic

Pollard, Jeffrey, PhD / Chen, Ken, MD