

***LABORATORY SCIENCE ***

Shared Resources at NCI - Designated Cancer Centers Reported in 2010



Institution (Cancer Center)

Shared Resource

Program Leader(s)

Albert Einstein College of Medicine (Albert Einstein Cancer Research Center)

Analytical Imaging
Animal Barrier
Fluorescence Activated Cell
Gene Targeting
Genome Imaging
Genomics
Histopathology
Proteomics
Structural Biology
Transgenic

Condeelis, J., PhD / Macaluso, F., MS
Herbst, Lawrence, DVM, PhD
Porcelli, S., MD / Zhang, J., PhD
Edelmann, W., PhD / Hou, H.
Montagna, Cristina, PhD
Morrow, B., PhD / Reynolds, D., BS
Cannella, B., PhD / Sellers, R., DVM, PhD
Angeletti, R., PhD / Nieves, E., BS
Almo, S., PhD / Girvin, M., PhD
Pollard, J., PhD / Chen, K., MD

Number of Shared Resources - 10

Baylor College of Medicine (Dan L. Duncan Cancer Center)

Flow Cytometry
Genetically Engineered Mouse
Genome-Wide RNAi Screening & Analysis
Genomic Profiling
Integrated Microscopy
Protein Expression & Proteomics

Lumpkin, Ellen P., PhD
DeMayo, Francesco J., PhD
Westbrook, T., PhD
White, Lisa D., PhD
Mancini, M.A., PhD / Broughman, J., MD
Edwards, Dean, PhD

Number of Shared Resources - 6

Case Western Reserve University (Case Comprehensive Cancer Center)

Hybridoma
Proteomics
Transgenic & Targeting Core
Athymic Animal & Xenograft
Gene Expression & Genotyping
Cytometry
Imaging Research
Radiation Resources

Colmenares, Clemencia, PhD
Chance, M., PhD / Kinter, M.T., PhD
Conlon, Ronald, PhD
Liu, L., MD, PhD / Lindner, D., PhD
Veigl, Martina L., PhD
Jacobberger, James W., PhD
Flask, Christopher, PhD
Oleinick, N.L., PhD / Willard, B., PhD

Number of Shared Resources - 8

City of Hope / Beckman Research Institute (City of Hope Comprehensive Cancer Center)

Small Animal Imaging
Analytical Cytometry
Mass Spectrometry and Proteomics
Cytogenetics
Analytical Pharmacology
Functional Genomics
Clinical Immunobiology and Correlative Studies (CICSL)
Transgenic Mouse Facility

Colcher, David, PhD
DiGiusto, David, PhD
Lee, Terry, PhD
Murata-Collins, Joyce, PhD
Newman, E., PhD / Synold, T., PharmD
Pfeifer, Gerd, PhD
Simon, Lacey, PhD
Tsark, Walter, PhD

Number of Shared Resources - 8

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

Cold Spring Harbor Laboratory (Cold Spring Harbor Laboratory)

Animal
Antibody
DNA Sequencing
Flow Cytometry
Gene Targeting
Microarray
Microscopy
Proteomics

Mills, Alea, PhD
Krainer, Adrian
McCombie, W. Richard, PhD
Lazebnik, Yuri, PhD
Mills, Alea, PhD
Gingeras, Tom, PhD
Spector, David
Pappin, Darryl, PhD

Number of Shared Resources - 8

College of Physicians & Surgeons, Columbia University (Herbert Irving Comprehensive Cancer Center)

Confocal & Specialized Microscopy
Flow Cytometry Facility
Genomics Technology
Proteomics
Radiation Research
Transgenic Mouse

Pon, Liza, PhD
Ulf, Klein, PhD
Murty, V., PhD / Palomero, T., PhD
Shapiro, Lawrence, PhD
Lieberman, Howard, PhD
Constantini, F., PhD / Ludwig, T., PhD

Number of Shared Resources - 6

Dana-Farber Cancer Institute (Dana-Farber / Harvard Cancer Center)

Cancer Pharmacology
Cancer Proteomics
Cytogenetics
DNA Resource
High-Throughput Polymorphism Detection
Monoclonal Antibody
Rodent Histopathology

Supko, Jeffrey, PhD
Liebermann, Towia A., PhD
Lee, Charles, PhD
Harlow, Edward E., PhD
Hunter, D., MD, ScD / Kwiatkowski, D., MD
DeCaprio, James A., MD
Howley, P., MD

Number of Shared Resources - 7

Dartmouth-Hitchcock Medical Center (Norris Cotton Cancer Center)

Flow Cytometry / Cell Imaging
Genomics
Immune Monitoring
Irradiation
Molecular Biology
Proteomics
Transgenics & Genetic Constructs

Givan, Alice, PhD
Tomilson, Craig R., PhD
Channon-Smith, Jacqueline Y., PhD
Hoopes, P. Jack, PhD
Hamilton, Joshua A., PhD
Gerber, S., PhD
Fiering, Steven N., PhD

Number of Shared Resources - 7

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

Duke University Medical Center (Comprehensive Cancer Center)

DNA Analysis / Automated Sequencing / Phosphoimaging
 DNA Microarray
 Flow Cytometry Facility
 High-Res NMR Spectroscopy / X-Ray Crystallography
 Immunoincompetent Rodent & Biohazard Facility
 Light Microscopy
 Optical Molecular Imaging & Analysis
 Proteomics
 Radiochemistry
 Transgenic & Knock Out Mouse

Krangel, M., PhD / Langdon, S., PhD
 Dressman, H., PhD / Nevins, J., PhD
 Cook, M., PhD
 Spicer, L., PhD / Beese, L., PhD
 Norton, J., DVM, PhD / Bigner, D., MD, PhD
 McClay, D., PhD / Johnson, S., PhD
 Dewhirst, Mark, DVM, PhD
 Moesley, Arthur, PhD
 Zalutsky, Michael, PhD
 Hogan, B., PhD / Norton, J., PhD

Number of Shared Resources - 10

Emory University (Winship Cancer Institute)

Biomarker Profiling
 Cell Imaging and Microscopy

Bouzyk, M., PhD / Moreno, C., PhD / Peng, J., PhD
 Marcus, Adam, PhD

Number of Shared Resources - 2

Fox Chase Cancer Center (Fox Chase Cancer Center)

Biochemistry & Biotechnology
 Biological Imaging
 Cell Culture
 Cell Sorting
 DNA Sequencing
 Genomics
 Histopathology
 Laboratory Animal Facility
 Molecular Modeling
 Organic Synthesis
 Transgenic Mouse

Yeung, Anthony, PhD
 Yen, T.J., PhD
 Campbell, K., PhD
 Hardy, Richard R., PhD
 Hardy, Richard R., PhD
 Testa, Joseph, PhD
 Klein-Szanto, Andres, MD
 Rozmiarek, H., DVM, PhD
 Dunbrack, R., PhD
 Dunbrack, R., PhD
 Kappes, Dietmar, PhD

Number of Shared Resources - 11

Fred Hutchinson Cancer Research Center (Fred Hutchinson / University of Washington Cancer Consortium)

Animal Bioluminescence Resource
 Animal Health Resources
 Antibody Development Facility
 Cellular Imaging
 Genomics Resource
 Proteomics Resource
 Research Pathology

Minoshima, S., MD, PhD
 Weigler, Benjamin, DVM
 Wayner, Elizabeth K., PhD
 Vazquez, Julio, PhD
 Delrow, Jeffrey, PhD
 Gafken, Philip, PhD
 Porter, P., MD / Randolph-Habecker, J., PhD

Number of Shared Resources - 7

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

Georgetown Lombardi Comprehensive Cancer Center (Georgetown Lombardi Comprehensive Cancer Center)

Animal (ASR)	Hilakivi-Clarke, L., PhD / Glasgow, E., PhD
Familial Cancer Registry (FCR)	Isaacs, Claudine, MD
Flow Cytometry / Cell Sorting (FCSR)	Creswell, Karen, PhD
Genomics & Epigenomics (GESR)	Ressom, Habtom, PhD
Microscopy & Imaging (MISR)	Mueller, Susetta, PhD
Preclinical Imaging Research Laboratory (PIRL)	Albanese, Christopher, PhD
Proteomics & Metabolomics Shared Resource	Byers, S., PhD / Fornace, A., Jr., MD

Number of Shared Resources - 7

Harold C. Simmons at UT Southwestern Medical Center (Harold C. Simmons Cancer Center)

Genomics	Story, Michael, PhD
High Throughput Screening	Roth, Michael, PhD
Live Cell Imaging	Luby-Phelps, Kate, PhD
Small Animal Imaging	Mason, Ralph, PhD

Number of Shared Resources - 4

H. Lee Moffitt Cancer Ctr & Research Institute at the Univ. of S. Florida (H. Lee Moffitt Cancer Ctr & Research Institute)

Analytic Microscopy	Bui, M., MD, PhD
Flow Cytometry	Djeu, Julie, PhD
HTS & Chemistry	Guida, Wayne, PhD
Microarray	Enkemann, Steve, PhD
Molecular Biology	Chen, Jiandong, PhD
Mouse Models	Luetetteke, Noreen, PhD
Proteomics	Koomen, John, PhD

Number of Shared Resources - 7

Indiana University (Indiana University Melvin & Bren Simon Cancer Center)

Chemical Genomics	Zhang, Zhong-Yin, PhD
Flow Cytometry	Srouf, Edward, PhD

Number of Shared Resources - 2

Jackson Laboratory (The Jackson Laboratory Cancer Center)

Reproductive Sciences- Cell Biology & Microinjection	Gridley, Thomas, PhD
Mouse Models Resource	Donahue, Leah Rae, PhD
Histopathology & Microscopy Sciences	Smith, Richard S., MD, DSC
Genome Sciences	Naggert, Jurgen K., PhD
Molecular Phenotyping Sciences	Roopenian, Derry C., PhD

Number of Shared Resources - 5

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

Massachusetts Institute of Technology (David H. Koch Institute for Integrative Cancer Research at MIT)

Applied Therapeutics & Whole Animal Imaging Core Facility
 Biopolymers & Proteomics Core Facility
 ES Cell & Transgenics Core Facility
 Flow Cytometry Core Facility
 Histology Core Facility
 Microarray Technologies Core Facility
 Microscopy
 Shared Research Resources

Hemann, Michael
 Yaffe, M. / White, F.
 Hynes, Richard
 Chen, J.
 Lees, Jacqueline
 Lees, Jacqueline
 Gertler, Frank
 Housman, David

Number of Shared Resources - 8

Mayo Clinic Rochester (Mayo Clinic Cancer Center)

Cytogenetics
 Electron Microscopy
 Flow Cytometry / Optical Morphology
 Gene Analysis
 Pharmacology
 Protein Chemistry & Proteomics
 Transgenic & Gene Targeted Mouse

Jenkins, R.B., MD, PhD
 Salisbury, J.L., PhD / Charlesworth, J.
 Vile, R., PhD / Tarara, J.E.
 Wieben, E., PhD
 Ames, M.M., PhD / Reid, J., PhD
 McCormick, D.J., PhD / Bergen, H.R., PhD
 Van Deursen, J., JMA, PhD

Number of Shared Resources - 7

Medical University of South Carolina (Hollings Cancer Center)

Cell & Molecular Imaging
 Flow Cytometry & Cell Sorting
 Lipidomics

Lemasters, J.J., MD, PhD
 Zhou, Daohong, MD
 Bielawska, A., PhD

Number of Shared Resources - 3

Memorial Sloan Kettering Cancer Center (Memorial Sloan Kettering Cancer Center)

Animal Imaging
 Flow Cytometry
 Gene Transfer & Somatic Cell Engineering
 Genomics
 High-Throughput Screening Facility
 Microchemistry & Proteomics
 Molecular Cytogenetics
 Molecular Cytology
 Monoclonal Antibody
 Mouse Genetics
 Organic Synthesis
 Research Animal Resource Center (RARC)
 X-Ray Crystallography Facility

Koutcher, J., MD, PhD / Larson, S., MD / Le, C., PhD / Zanzonico, F.
 Hendriks, P.J., PhD / Moore, M., DPhil
 Sadelain, M., MD, PhD / Riviere, I., PhD
 Viale, A., PhD / Tempst, P., PhD
 Scheinberg, D., MD, PhD / Djaballah, H., PhD
 Tempst, P., PhD / Bromage, H., PhD
 Chaganti, R., PhD / Leversha, M., PhD
 Resh, M., PhD / Manova, K., PhD
 Denzin, L., PhD / Weis-Garcia, F., PhD
 Lacy, E., PhD / Mark, W., PhD
 Ouerfelli, O., PhD / Danishefsky, S., PhD
 Lipman, Neil, VMD
 Pavletich, N., PhD / Goldgur, Y., PhD

Number of Shared Resources - 13

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

New York University Medical Center (NYU Cancer Institute)

Analytical Chemistry
Core Clinical Laboratory
Experimental Animal & Exposure
Experimental Pathology
Flow Cytometry & Cell Sorting
Genomics / RNAi
Mouse Imaging
Proteomics
Transgenic Mouse
Vaccine

Klein, Catherine, PhD
Liebes, Leonard, PhD
Tchou-Wong, Kam-Meng, PhD
Loomis, Cynthia, MD, PhD
Dustin, Michael, PhD
Carlton, Jane, PhD
Turnbull, Dan, PhD
Neubert, Thomas, PhD
Sunshine, Mary Jean
Bhardwaj, Nina, MD, PhD

Number of Shared Resources - 10

Northwestern University (Robert H. Lurie Comprehensive Cancer Center)

Cell Imaging
Flow Cytometry
Genomics Core Facility
Keck Biophysics
Monoclonal Antibody
Mouse Phenotyping Facility
Structural Biology Facility
Transgenic Targeted Mutagenesis Laboratory

Chew, Teng-Leong, PhD
Goolsby, Charles, PhD
Jafari, Nadereh, PhD
Widom, Jonathan, PhD
Jones, Jonathan, PhD
Tourtellotte, Warren, MD, PhD
Mondragon, Alfonso, PhD
TBD

Number of Shared Resources - 8

Ohio State University Comprehensive Cancer Center (Ohio State University Comprehensive Cancer Center)

Analytical Cytometry
Comparative Pathology & Mouse Phenotyping
Microarray
Molecular Cytogenetics
Proteomics
Transgenic Animal

Chalmers, Jeffrey J., PhD
LaPerle, Krista, PhD
Croce, Carlo, MD
Heerema, Nyla A., PhD
Green-Church, Kari, PhD
Young, A.P., PhD / Herman, G., MD, PhD (Interim)

Number of Shared Resources - 6

Oregon Health & Science University (OHSU Knight Cancer Institute)

Proteomics
Transgenic / Gene Knockout
Cancer Pathology
Flow Cytometry
Gene Microarrays

David, Larry, PhD
Fdorov, Lev, PhD
Corless, Christopher, MD, PhD
Streeter, Philip, MD, PhD
Harrington, Christina, PhD

Number of Shared Resources - 5

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

Purdue University Center for Cancer Research (Purdue University Center for Cancer Research)

DNA Sequencing
Flow Cytometry & Cell Separation
Macromolecular Crystallography
Mass Spectrometry
Nuclear Magnetic Resonance (NMR)
Proteomics
Transgenic Mouse

San Miguel, Philip, PhD
Leary, James, PhD
Friedman, Alan, PhD
Wood, Karl, PhD
Post, Carol B., PhD
Regnier, Fred, PhD
Konieczny, Stephen F., PhD

Number of Shared Resources - 7

Robert Wood Johnson Medical School (Cancer Institute of New Jersey)

Analytical Cytometry / Image Analysis
DNA Sequencing
Laboratory Support Services
Transcriptional Profiling
Transgenic / Knockout Mouse Service

Laskin, Deborah L., PhD
Goss Kinzy, Terri, PhD
Lattime, Edmund C., PhD
TBD
Rabson, A., MD / Pintar, J., PhD

Number of Shared Resources - 5

Roswell Park Cancer Institute (Roswell Park Cancer Institute)

Flow and Image Cytometry Resource
Gene Targeting & Transgenics
Genomics Shared Resource
Laboratory Animal Resource
Pathology Resource Network
Pharmacokinetic / Pharmacodynamic

Wallace, Paul, PhD
Gross, Kenneth, PhD
Nowak, Norma, PhD
Buitrago, Sandra, DVM
Morrison, Carl, MD, DVM
Fetterly, Gerald, PhD

Number of Shared Resources - 6

Salk Institute (Salk Institute Cancer Center)

Cytometry & Imaging
Functional Genomics
Peptide Synthesis
Proteomics
Transgenic Animal Facility

Chambers, David, PhD
Ecker, Joseph, PhD
Hunter, Tony, PhD
Fischer, Wolfgang, PhD
Lee, Kuo-Fen, PhD

Number of Shared Resources - 5

Sanford-Burnham Medical Research Institute (Sanford-Burnham Medical Research Institute)

Genomics
Structural Biology
Flow Cytometry
Chemical Library Screening
Functional Genomics
Cell Imaging & Histopathology
Animal Resources
Proteomics

Hauser, Craig, PhD
Liddington, Robert, PhD
Mercola, Mark, PhD
Mercola, Mark, PhD
Rana, Tariq, PhD
Ranscht, Barbara, PhD
Stallcup, William, PhD
Wolf, Dieter, MD

Number of Shared Resources - 8

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

Sidney Kimmell Comprehensive CC at John Hopkins University (Sidney Kimmel Comprehensive Cancer Center)

Animal Resources
Cancer Molecular Imaging
cDNA Microarray Core
Cell Imaging
Cytogenetics
Experimental Irradiators
Flow Cytometry
Mass Spectrometry

Zahnow, Cindy, PhD
Bhujwalla, Zaver, PhD
Baylin, Stephen, MD
Bunz, F., MD, PhD / Meeker, A., PhD
Griffin, Constance, MD
Zhang, Yonggang, MD
Drake, Charles, MD, PhD
Cole, Robert, PhD

Number of Shared Resources - 8

St. Jude Children's Research Hospital (St. Jude Children's Research Hospital)

Animal Resource Center
Bioinformatics
Cell & Tissue Imaging
Cytogenetics
Flow Cytometry & Cell Sorting
Molecular Clinical Trials
Protein Production
Transgenic Gene Knockout
Vector Development & Production

Rahija, Richard, DVM, PhD
Naeve, Clayton, PhD
Frase, S. / Connel, S.
Lahti, Jill, PhD
Ashmun, Richard, PhD
Gilbertson, Richard, MD, PhD
Rock, Charles, PhD
Grosveld, Gerard, PhD
Gray, John T., PhD

Number of Shared Resources - 9

Stanford University (Stanford University Cancer Center)

Animal Tumor Models & Histopathology
Bioscience Screening
Cancer Imaging
Cell Sciences Imaging
Flow Cytometry
Genomics
Human Immune Monitoring
Proteomics

Chen-Tsai, Y., PhD / Cleary, M., MD
Solow-Cordero, D., PhD / Chen, J., PhD
Contag, C., PhD / Doyle, T., PhD
Smith, S., PhD / Mulholland, J., MA
Nolan, G., PhD / Bigos, M., PhD
Coller, J., PhD / Brown, P., PhD
Maeker, H., PhD / Davis, M., PhD
Chien, Allis, PhD

Number of Shared Resources - 8

The Wistar Institute (The Wistar Institute)

Animal Facility
Flow Cytometry Facility
Genomics Facility
Microscopy Facility
Mouse Genetics Facility
Protein & Libraries Expression Facility
Proteomics Facility

Erikson, Jan, PhD
Montaner, Luis, DVM, PhD
Showe, Louise, PhD
Heber-Katz, Ellen, PhD
Kissil, Joseph, PhD
Lieberman, Paul, PhD
Speicher, David, PhD

Number of Shared Resources - 7

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

Thomas Jefferson University (Kimmel Cancer Center)

Bioimaging Facility
Cancer Genomics
Flow Cytometry
Laboratory Animals
Proteomics & Molecular Characterization
Small Animal Imaging
Transgenic / Knockout Mouse
X-Ray Crystallography

Keen, James, PhD
Fortina, Paolo, PhD
Zhang, Jianke, PhD
Buchberg, Arthur, PhD
Quong, Andrew, PhD
Thakur, Matthew, PhD
Landel, Carlisle, PhD
Pascal, John, PhD

Number of Shared Resources - 8

University of Alabama at Birmingham (UAB Comprehensive Cancer Center)

DNA Sequencing
Gene Expression
High Resolution Imaging
Molecular Biology / Recombinant Protein Facility
Molecular MNR
Proteomics Facility
Small Animal Imaging
Transgenic Animal / Embryonic Stem Cell
X-Ray Crystallography

Hahn, Beatrice H., MD
Crowley, Michael, PhD
Keyser, Kent T., PhD
Morrow, Casey D., PhD
Krishna, N. Rama, PhD
Barnes, S., PhD / Kim, H., PhD / Mobley, J., MD
Zinn, Kurt, DVM, PhD
Kesterson, Robert A., PhD
DeLucas, Lawrence J., OD, PhD

Number of Shared Resources - 9

University of Arizona (Arizona Cancer Center)

Analytical Core
Experimental Mice
Flow Cytometry
Genomics
Imaging Core Service
Molecular Modeling & Synthetic Chemistry

Chow, S., PhD / Stratton, S., PhD
Ignatenko, N., PhD / Doetschman, T., PhD
Baker, Amanda, PhD
Watts, G., PhD / Futscher, B., PhD
Lynch, R., PhD / Raghunand, N., PhD / Rodriguez, J., PhD
Laurence, H., PhD / Mash, E., PhD

Number of Shared Resources - 6

University of California at Irvine (Chao Family Comprehensive Cancer Center)

In-Vivo Functional Onco-Imaging
Transgenic Mouse Facility
Optical Biology Core
UCI Genomics / High-throughput Facility

Gulsen, G., PhD
MacGregor, G., PhD
Marsh, Lawrence, PhD
Sandmeyer, Suzanne, PhD

Number of Shared Resources - 4

University of California Davis (UC Davis Cancer Center)

Animal Imaging
Genomics and Expression
Mouse Biology
Optical Biology

Rowland, D.J., PhD/ Wisner, E., DVM
Gregg, Jeff, MD
Lloyd, Kent, DVM, PhD
Shacklett, Barbara, PhD

Number of Shared Resources - 4

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

University of California Los Angeles (Jonsson Comprehensive Cancer Center)

Vector
Transgenic and ES Cell Shared Resource
Small Animal Imaging
Gene Expression Core
Flow Cytometry
Molecular Screening

Kasahara, M., MD, PhD / Logg, C., PhD
Wu, H., MD, PhD / Liu, X., MD, PhD / Jiang, M., PhD
Herschman, H., PhD / Stout, D., PhD
Nelson, S., MD / Denny, C., MD
Jamieson, Beth, PhD
Bradley, K., PhD / Damoiseaux, R., PhD

Number of Shared Resources - 6

University of California San Diego (Moore's UCSD Cancer Center)

DNA Sequencing
Flow Cytometry
Histology & Immunohistochemical
Microarray
Microscopy
Transgenic Mouse

Rana, Brinda, PhD
Kipps, Thomas J., MD, PhD
Varki, Nissi, MD
Wachsman, William, MD, PhD
Feramisco, James R., PhD
Mellon, Pamela, PhD

Number of Shared Resources - 6

University of California San Francisco (UCSF Helen Diller Family Comprehensive Cancer Center)

Array
Genome Analysis
Immunohistochemistry & Molecular Pathology
Laboratory for Cell Analysis
Mass Spectrometry
Mouse Pathology
Preclinical Therapeutics
Transgenic / Targeted Mutagenesis

Albertson, Donna, PhD
Balmain, Allan, PhD
Waldman, Frederic, MD, PhD
Pinkel, Daniel, PhD
Fisher, Susan, PhD
Coussens, L., PhD / Kogan, S., MD
Akhurst, Rosemary, PhD
Killeen, Nigel, PhD

Number of Shared Resources - 8

University of Chicago Cancer Research Center (University of Chicago Cancer Research Center)

Fitch Monoclonal Antibody
Flow Cytometry
Genomics
Human Immunologic Monitoring
Immunohistochemistry
Integrated Microscopy
Magnetic Resonance Imaging and Spectroscopy (MRIS)
Scientific Image Reconstruction & Analysis
Transgenic & Embryonic Stem Cell Technology

Sperling, Anne, PhD
Sperling, Anne, PhD
Gilliam, T. Conrad, PhD
Gajewski, Thomas, MD, PhD
Montag, Anthony, MD
Glick, Benjamin, PhD
Karczmar, G., PhD / Roman, B., PhD
Nishikawa, Robert, PhD
Millen, Kathleen, PhD

Number of Shared Resources - 9

University of Colorado Denver & Health Sciences Center (University of Colorado Cancer Center)

Cytogenetics
DNA Sequencing & Analysis
Flow Cytometry & Immunology
Gene Expression
Pathology
Proteomics
Structural Biology
Tissue Culture / Monoclonal Antibody

Varella-Garcia, Marileila, PhD
Korch, Christopher, PhD
Hogan, C., PhD / Potter, T., PhD
Geraci, M., MD / Haugen, B., MD
Franklin, W., MD / Richer, J., PhD
Duncan, Mark, PhD
Jones, D., PhD / Churchill, M., PhD
Nordeen, Steve, PhD

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

University of Hawaii at Manoa (University of Hawaii Cancer Center)

Analytical Laboratory
Genomics
Laboratory Instrumentation
Laboratory Support

Franke, Adrian, PhD
Le Marchand, Loic, MD, PhD
Lau, Alan, PhD
Lau, Alan, PhD

Number of Shared Resources - 4

University of Iowa (Holden Comprehensive Cancer Center)

Central Microscopy Research
Flow Cytometry Facility
DNA Core
Radiation & Free Radical Research
Large Scale Digital Cell Analysis System
Small Animal Imaging

Moore, Kenneth C.
Ballas, Zuhair, MD
Knudtson, Kevin, L., PhD
Spitz, Doug R., PhD
Ianzini, F., PhD / Mackey, M., PhD
Sunderland, John, PhD

Number of Shared Resources - 6

University of Maryland (Marlene and Stewart Greenebaum Cancer Center)

Biopolymer / Genomics

Ambulos, Nicholas, PhD

Number of Shared Resources - 1

University of Michigan (University of Michigan Comprehensive Cancer Center)

cDNA Affymetrix and Microarray
DNA Sequencing
Experimental Irradiation
Flow Cytometry
Immunologic Monitoring
Morphology
Transgenic Mouse
Tumor Imaging

Macoska, Jill, PhD
Lyons, Robert, PhD
Lawrence, Theodore, MD, PhD
Moore, Thomas, PhD
Chang, A., MD / Zou, W., MD, PhD
Welsh, Michael, PhD
Camper, Sally, PhD
Francis, Isaac, MD

Number of Shared Resources - 8

University of Minnesota Cancer Center (Masonic Cancer Center)

Analytical Biochemistry
Comparative Pathology
Cytogenetics
Flow Cytometry
Mouse Genetics Laboratory

Hecht, Stephen, PhD
Carlson, Cathy, DVM, PhD
Hirsch, Betsy, PhD
Pennell, Christopher, PhD
Largaespada, David, PhD

Number of Shared Resources - 5

University of New Mexico Albuquerque (UNM Cancer Research & Treatment Center)

Animal Models & Imaging
Flow Cytometry & High Throughput Screening
Fluorescence Microscopy & Cell Imaging
KUGR / Genomics

Hathaway, H., PhD / Dai, D., PhD / Norenberg, J., PhD
Edwards, B., PhD / Oprea, T., MD, PhD
Wandinger-Ness, Angela, PhD
Ness, S., PhD / Edwards, J., PhD

Number of Shared Resources - 4

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Institution (Cancer Center)

Shared Resource

Program Leader(s)

University of North Carolina at Chapel Hill (UNC Lineberger Comprehensive Cancer Center)

Animal Histopathology
Animal Models
Animal Procedures
DNA Sequencing & High Throughput Genotyping
Facilities & Biosafety
Flow Cytometry
Genomics and Bioinformatics
Microscopy & Imaging (Electron & Light)
Proteomics
Small Animal Imaging
Structural Biology
Vector

Arlin Rogers, DVM, PhD
Van Dyke, Terry, PhD
Weissman, Bernard, PhD
Marzluff, W., PhD
Kramer, M., BS / Swanstrom, R., PhD
Arnold, Larry, PhD
Topal, Michael, PhD
Griffith, J., PhD / Bagnell, R., PhD
Chen, Xian, PhD
Lin, Weili, PhD
Redinbo, Matthew, PhD
Samulski, R.J., PhD

Number of Shared Resources - 12

University of Pennsylvania (Abramson Cancer Center)

Biomedical Imaging Core
DNA Sequencing Facility
Flow Cytometry and Cell Sorting Facility
Human Immunology Core
Microarray Facility
Proteomics Core
Small Animal Imaging Core
Transgenic and Chimeric Mouse Facility

Yu, Qian-Chun, MB, PhD
Ganguly, Tapan, PhD
Moore, Jonni, PhD
June, Carl, MD
Baldwin, Donald, PhD
Blair, Ian, PhD
Chodosh, L., MD, PhD / Schnall, M., MD, PhD
Cooke, N., MD / Liebhaber, S., MD

Number of Shared Resources - 8

University of Pittsburgh Cancer Institute (University of Pittsburgh Cancer Institute)

Animal Facility
Cancer Biomarkers Facility
Cell & Tissue Imaging Facility
Chemical Biology Facility
Cytometry Facility
Immunological Monitoring & Cellular Products Laboratory
In Vivo Imaging Facility
Tissue & Research Pathology
Vector Core Facility

Newsome, Joseph, DVM
Bigbee, W., PhD / Chandran, U., PhD
Watkins, Simon, PhD
Lazo, John, PhD
Donnenberg, A., PhD / Lotze, M., MD
Whiteside, T., PhD / Butterfield, L.
Mountz, J., MD, PhD / Wiener, E., PhD
Dhir, Rajiv, MD
Gambotto, A., MD / Sobol, M., PhD

Number of Shared Resources - 9

University of Southern California (USC / Norris Comprehensive Cancer Center)

Cell and Tumor Imaging Core Facility
Flow Cytometry and Immune Monitoring Core Facility
Genomics Core Facility
Microarray Core Facility
Microchemical Core Laboratory
Transgenic / Knockout Mouse Core Facility

Hinton, David, MD
Horwitz, David, MD
Van Der Berg, David, PhD
Triche, Timothy, MD
McMillan, Minnie, PhD
Maxson, Robert, PhD

Number of Shared Resources - 6

***LABORATORY SCIENCE ***

Shared Resources at NCI - Designated Cancer Centers Reported in 2010



Institution (Cancer Center)

Shared Resource

Program Leader(s)

University of Texas Hlth Sci Ctr San Antonio (Cancer Therapy & Research Center)

Flow Cytometry
Genomics
Macromolecular Interactions
Macromolecular Structure
Mass Spectrometry
Optical Imaging

Daniels, Benjamin, PhD
Leach, Robin, PhD
Lafer, E.M., PhD / Demeler, B., PhD
Hinck, A.P., PhD / Hart, J.P., PhD
Weintraub, Susan T., PhD
Lechleiter, J.D., PhD / Frohlich, V., PhD

Number of Shared Resources - 6

University of Texas MD Anderson Can Ctr (MD Anderson Cancer Center)

Biospecimen Extraction Facility
DNA Analysis Facility
Flow Cytometry & Cellular Imaging Facility
Genetically Engineered Mouse
Genomics Facility (Affymetrics)
High Resolution Electron Microscopy Facility
Molecular Cytogenetics
Monoclonal Antibody Facility
Pharmacology & Analytical Center
Research Animal Support Facility
Research Histopathology
Small Animal Imaging Facility

Frazier, Marsha, PhD
deCrombrughe, Benoit, MD
Andreeff, Michael, MD, PhD
Klein, William H., PhD
Lozano, Guillermina, PhD
Langley, Robert, PhD
Chang, Sandy
Bover, Laura, PhD
Madden, Timothy, PhD
Tinkey, Peggy, DVM
Hamilton, Stanley R., MD
Hazle, John, PhD

Number of Shared Resources - 12

University of Utah (Huntsman Cancer Institute)

Biomolecular Nuclear Magnetic Resonance Resource
DNA / Peptide Shared Resource
Flow Cytometry Shared Resource
Fluorescence Microscopy Shared Resource
Mass Spectrometry Resource
Microarray Resource

Skalicky, Jack, PhD
Schackmann, Robert, PhD
Green, Wayne, PhD
Rodesch, Christopher, PhD
Nelson, Chad, PhD
Dalley, Brian, PhD

Number of Shared Resources - 6

University of Virginia, Health Sciences Center (UVA Cancer Center)

Advanced Microscopy Facility
DNA Sciences Core
Flow Cytometry
Gene Targeting & Transgenic Facility
Lymphocyte Culture Core
MAPS Core
Mass Spectrometry Core
Molecular Imaging Core
Protein Sciences Core

Redick, Jan A.
Bao, Yongde, PhD
Lannigan, Joanne, MS
Xu, Wenhao, PhD
Sutherland, William M., PhD
Dunlap-Brown, M.
Sherman, Nicholas E., PhD
Berr, Stuart S., PhD
Shannon, John D., PhD

Number of Shared Resources - 9

***LABORATORY SCIENCE ***

Shared Resources at NCI - Designated Cancer Centers Reported in 2010



Institution (Cancer Center)

Shared Resource

Program Leader(s)

University of Wisconsin (UW Paul P. Carbone Comprehensive Cancer Center)

Experimental Pathology
Flow Cytometry
Pharmacokinetics, Pharmacodynamics, Pharmacogenetics (3P) Lab
Proteomics
Scientific Instrumentation Facility
Small Animal Imaging
Small Molecule Screening
Transgenic Animal Facility

Sullivan, Ruth, VMD, PhD
Ritter, Mark A., MD, PhD
Kolesar, Jill, PharmD
Sussman, Michael R., PhD
Hank, Jacquelyn A., PhD
Weichert, Jamey P., PhD
Hoffmann, F. Michael, PhD
Griep, Anne E., PhD

Number of Shared Resources - 8

UNMC / Eppley Cancer Center (UNMC Eppley Cancer Center)

Animal Facility
Cell Analysis
Confocal Microscopy
Histology
Molecular Biology
Monoclonal Antibodies
NMR
Tissue Procurement

Lawson, Terence, PhD
Kuszynski, Charles, PhD
Christman, Judith, PhD
Wing, Chung (John) Chan, MD
Hollingsworth, Michael, PhD
Johnson, Donald, PhD
Wang, Guangshun, PhD
Bridge, Julia, MD

Number of Shared Resources - 8

Vanderbilt University (Vanderbilt-Ingram Cancer Center)

Flow Cytometry
Biomolecular & Proteomics
Transgenic Mouse / ES Cell
Cell Imaging
Antibody
Functional Genomics
Animal & Human Imaging
Survey & Biospecimen
Human Tissue Acquisition & Pathology

Crowe, James E., Jr., MD
Hachey, David L., PhD
Magnuson, Mark A., MD
Piston, David W., PhD
Reynolds, A., PhD
Tansey, William P., MD
Yankeelov, Thomas E., PhD
Zheng, Wei, MD, PhD
Zutter, Mary M., MD

Number of Shared Resources - 8

Virginia Commonwealth University (Massey Cancer Center)

Flow Cytometry and Imaging
Molecular Biology
Nucleic Acid Sequencing & Synthesis
Structural Biology
Transgenic/ Knockout Mouse

Conrad, Daniel, PhD
Taylor, Shirley, PhD
Buck, Gregory, PhD
Chlebowski, Jan, PhD
Windle, Jolene, PhD

Number of Shared Resources - 5

***LABORATORY SCIENCE ***

Shared Resources at NCI - Designated Cancer Centers Reported in 2010



Institution (Cancer Center)

Shared Resource

Program Leader(s)

Wake Forest University Health Sciences (Wake Forest Comprehensive Cancer Center)

Microarray Core Laboratory
Biomolecular Resource Laboratory
Cellular Imaging Core

Miller, Lance D., PhD
Lively, M., PhD / Thomas, M., PhD
Willingham, Mark, PhD

Number of Shared Resources - 3

Washington University School of Medicine (Siteman Cancer Center)

Embryonic Stem Cell Core
High Speed Cell Sorter Core
Molecular & Genomic Analysis
Proteomics Core
Small Animal Cancer Imaging Core

Ley, Timothy J., MD
Graubert, Timothy A., MD
Watson, M.A., MD, PhD / Payton, J., BS, PhD, MD
Townsend, R. Reid, MD, PhD
Ackerman, J., PhD / Welch, M., PhD

Number of Shared Resources - 5

Wayne State University School of Medicine (Barbara Ann Karmanos Cancer Institute)

Cellular & Animal Imaging
Flow Cytometry
Genomics
Pharmacology

Moin, Kamiar, PhD
Wilson, George D., PhD
Land, Susan J., PhD
Li, Jing, PhD

Number of Shared Resources - 4

Yale University School of Medicine (Yale Cancer Center)

Animal Genomics
Cesium 137 Irradiator
Cancer Genetic Counseling
Critical Technologies for Tissue Services
Flow Cytometry
Proteomics
Microarray

McGrath, J., MD, PhD / Nottoli, T., PhD
Nath, R., PhD
Matloff, Ellen T., MS
Rimm, David L., MD, PhD
Shlomchik, Mark, MD, PhD
Stone, Kathryn, BA
Mane, Shrikant, PhD

Number of Shared Resources - 12