
Faculty of the Department of Biostatistics

David Oakes . . . *Professor and Chair*, and Professor of Statistics. B.A. Trinity College, Cambridge (England), 1968; M.A. 1972; Ph.D. Imperial College, London University, 1972.

Professors

Christopher Cox, and Environmental Medicine and Psychiatry. B.A. Brown, 1966; M.A. Illinois (Urbana-Champaign), 1967; Ph.D. 1973.

William Jackson Hall, part-time, and Statistics, Emeritus. A.B. Johns Hopkins, 1950; M.A. University of Michigan, 1951; Ph.D. University of North Carolina, 1955.

Govind S. Mudholkar, and *Statistics*. B.Sc. Poona, 1956; M.Sc. 1958; Ph.D. University of North Carolina, 1963.

Poduri S. R. S. Rao, and *Statistics*. B.A. Kakinada India RR. College, 1955; M.A. Karnatak University (India), 1957; Ph.D. Harvard, 1964.

Associate Professors

Michael P. McDermott, and Statistics, and Neurology. B.A. Boston College, 1983; M.A. Rochester, 1985; Ph.D. 1989.

Richard F. Raubertas, Oncology and Statistics. B.A. Princeton, 1976; M.A. University of Wisconsin, 1980; Ph.D. 1983.

Assistant Professors

Li-Shan Huang. B.S. National Central University (Taiwan), 1990; M.S. North Carolina (Chapel Hill), 1994; Ph.D. 1995.

Heng Li, and Dentistry. B.S. Zhejiang University (China), 1983; M.S. Harvard, 1989; Ph.D. 1996.

Derick R. Peterson. B.A. Oberlin, 1991; M.A. University of California (Berkeley), 1994; Ph.D. 1998.

Hongwei Zhao. University of Washington, 1994; M.S. Harvard, 1995; Sc.D., 1997.

Associate

Shirley W. Eberly, part-time. B.A. Stanford, 1960; M.S. 1961.

THE JAMES P. WILMOT CANCER CENTER

The James P. Wilmot Cancer Center at the University of Rochester serves the Rochester-Finger Lakes Health Systems of Upstate New York with a population of approximately 1.2 million residents. The Center has broad responsibilities for primary and consultative patient care and the conduct of coordinated programs in cancer education, oncology nursing, clinical research, and basic translational, clinical, and cancer control research.

The clinical research and treatment arms of the Center are part of the Strong Health Care system based at Strong Memorial and Highland Hospitals. Additional affiliate faculty members are at Unity Health System Genesee Street Campus, and Rochester General Hospital. The Cancer Center's Clinical Trials Office monitors and/or approves all clinical research studies conducted at Cancer Center affiliated institutions.

Basic laboratory research programs include signal transduction and transcription, immunology and immunotherapy, and cancer molecular genetics. The Cancer Center also has site-specific research programs in breast cancer, gastrointestinal oncology, genitourinary, and thoracic oncology, which are supported by strong programs in cancer control and prevention. The radiation and pediatric oncology research programs are focused on research relating to the long-term effects of chemotherapy and radiation therapy.

Fundamental research at the Center aims to elucidate the molecular mechanisms of cancer development and progression, and apply the knowledge gained to devising new strategies of detection, prevention, and therapy. Additionally, host responses for a variety of therapies





are under intense investigation. Individual faculty research programs involve a wide spectrum of disciplines that include molecular biology and genetics, cellular biochemistry, cell kinetics, radiation biology and chemistry, pharmacology, stem cell biology, tumor immunology, virology, and gene therapy.

RESIDENT TRAINING

Clinical units associated with the Cancer Center offer clinical training experiences for residents of the Departments of Medicine, Obstetrics and Gynecology, Pediatrics, Radiation Oncology, and various surgical specialties.

FELLOWSHIPS

Fellowships are offered in radiation oncology, pediatric hematology/oncology, and psychosocial oncology. Programs may include training at the Medical Center as well as at one or more associated hospitals. These primarily clinical programs may be interrelated with research training programs for both Ph.D. and M.D. applicants.

Faculty of the Cancer Center

Joseph D. Rosenblatt . . . *Interim Director* and Unit Chief of Hematology-Oncology. B.S. University of California (Los Angeles), 1976; M.D. 1980; Internship and Residency, UCLA School of Medicine, 1980–83; Fellow, Division of Hematology-Oncology, UCLA, 1983–86; Instructor of Medicine, Division of Hematology-Oncology, 1986–87; Assistant Professor of Medicine, Division of Hematology-Oncology, 1987–93; Associate Professor of Medicine, Division of Hematology-Oncology, 1993–95; Associate Director for Basic Science, UCLA AIDS Institute, 1992–95; Director, Gene Therapy Program Area, Division of Hematology-Oncology, 1992–95; Unit Head Medical Oncology, University of Rochester Cancer Center, 1995–96; Professor of Oncology in Medicine, Microbiology and Immunology, University of Rochester School of Medicine and Dentistry, 1995–; Associate Director, Clinical Research, 1995–; Unit Chief Hematology-Oncology, 1997–; Member, University of Rochester GEBS Molecular Oncology and Cancer Biology, 1998–; Interim Director, James P. Wilmut Cancer Center, 2001–.

Edward Messing . . . *Deputy Director*, and Winfield W. Scott Professor and Chair of Urology, A.B. Chicago, 1968; M.D. New York University, 1972.

Hartmut Land . . . *Associate Director of Basic Science*, and Director of Center for Cancer Biology and Robert and Dorothy Markin Professor of Cancer Biology, and Division Director and Professor of Genetics in the Center for Cancer Biology, and Professor of Biochemistry and Biophysics. Diploma University of Konstanz, 1977; Ph.D. University of Heidelberg, 1982.

Gary Morrow . . . *Associate Director of Community Education and Research Development*, and Director of the Community Clinical Oncology Program Research Base, and Director of Behavioral Medicine Unit, and Professor of Oncology in Psychiatry (Psychology), B.A. Notre Dame, 1966; B.S. 1967; M.S. Rhode Island, 1972; Ph.D. 1975; M.S. Rochester, 1988.

Paul Okunieff . . . *Associate Director for Clinical Research*, and Professor and Chair of Radiation Oncology. B.S. Massachusetts Institute of Technology, 1978; M.D. Harvard, 1982.

James V. Sitzmann . . . *Associate Director of Clinical Affairs*, and Seymour I. Schwartz Professor and Chair of Surgery. B.A. Notre Dame, 1972; M.D. Minnesota, 1976.

George N. Abraham . . . *Associate Director of Community Relations*. B.S. Hobart College, 1959; M.S. University of Buffalo, 1961; M.D. SUNY (Buffalo), 1963.

CANCER CENTER PROGRAMS

SIGNAL TRANSDUCTION AND TRANSCRIPTION

Program Leader: Dennis J. McCance, Ph.D.

Professors

Chawshang Chang, and *George Hoyt Whipple Professor, and Pathology and Laboratory Medicine*, and Oncology and Urology. B.S. National Taiwan University, 1978; Ph.D. University of Chicago, 1985.

Richard Furlanetto, and *Pediatric Endocrinology*, and Oncology. B.A. Northwestern, 1967; Ph.D. University of Chicago, 1972; M.D. 1973.

Russell Hilf, and *Biochemistry*, and Oncology. B.S. City College of New York, 1952; M.S. Rutgers, 1953; Ph.D. 1955.

Patricia Hinkle, and *Pharmacology*. B.A. Mt. Holyoke, 1965; Ph.D. University of California (Berkeley), 1970.

Dennis J. McCance, and *Microbiology and Immunology*, and Oncology. B.Sc. Queen's University of Belfast (Ireland), 1969; B.Sc. 1971; Ph.D. University of Birmingham (U.K.), 1974.

Randy N. Rosier, and *Orthopaedics*, and Biophysics, and Oncology. B.S. Dickinson, 1972; M.D. Rochester, 1977; M.D. 1978; Ph.D. 1979.

Associate Professors

William T. Cave, and *Medicine*. B.A. Kenyon, 1963; M.D. Yale, 1967.

Regis O'Keefe, and *Orthopaedics*. B.A. Yale, 1981; M.D. Harvard, 1985.

James Palis, and *Pediatrics (Hematology/Oncology)*. B.A. Rochester, 1975; M.D. 1981.

Harold C. Smith, and *Pathology and Laboratory Medicine*, and Biochemistry, and Oncology. B.S. Purdue, 1975; M.S. 1978; M.A. SUNY (Buffalo), 1980; Ph.D. 1982.

Assistant Professors

Anne Haake, and *Dermatology*, and Oncology. B.A. Colgate, 1979; M.S. University of South Carolina, 1981; Ph.D. 1985.

Alan Smrcka, and *Pharmacology* and Physiology, B.S. University of Connecticut (Storrs), 1981; Ph.D. University of Arizona (Tucson), 1990.

Dianqin Wu, and *Pharmacology*, and Oncology. B.S. Nanjing University (China), 1985; Ph.D. Clarkson and W. Alton Jones Cell Science Center, 1991.

IMMUNOLOGY AND IMMUNOTHERAPY

Program Leader: Edith M. Lord, Ph.D.

Professors

Nicholas Cohen, and *Microbiology*, and Psychiatry. A.B. Princeton, 1959; Ph.D. Rochester, 1966.

John G. Frelinger, and *Microbiology and Immunology*, and Oncology. B.S. Stanford, 1975; Ph.D. California Institute of Technology, 1980.

Richard A. Insel, and *Pediatrics*, and Microbiology and Immunology, and Oncology. B.S. Pennsylvania State, 1966; M.D. Jefferson Medical, 1969.

Edith M. Lord, and *Microbiology and Immunology*, and *Oncology*. B.A. Kansas, 1970; Ph.D. University of California (San Diego), 1975.

Moon Nahm, and *Rheumatology*. M.D. Washington University, 1974; Ph.D. 1980.

Richard P. Phipps, and *Microbiology and Immunology*, and *Pediatrics*, and Oncology. B.S.M.T. Loyola, 1977; Ph.D. Medical College of Virginia, 1980.

Associate Professors

Richard K. Barth, and *Microbiology and Immunology*, and Oncology. B.S. St. Bonaventure, 1976; Ph.D. Roswell Park Memorial Institute, 1982.

Anthony A. Gaspari, and *Dermatology*, and Pediatrics, and Oncology. B.A. Temple, 1976; M.D. Jefferson, 1981.

Richard Looney, and *Immunology*, and Rheumatology. B.S. Harvard, 1972; M.D. Rochester, 1976.

Jan Moynihan, and *Psychiatry*, and Oncology. B.A. Rochester, 1976; M.S. 1983; Ph.D. 1985.

Deepak M. Sahasrabudhe, and *Medicine*, and Oncology. M.B. Bombay University (India), 1974; B.S. 1974.

Ignacio Sanz, and *Immunology*, and Rheumatology. B.S. San Augustin (Spain), 1973; M.D. University of Santander (Spain), 1978.

Maurice Zauderer, and *Microbiology and Immunology*, and Oncology. B.A. Yeshiva University (Israel), 1966; Ph.D. Massachusetts Institute of Technology, 1972.

Assistant Professors

Andrea Bottaro, and *Immunology*, and Rheumatology. Ph.D. University of Torino (Italy), 1987.

Keri Kendra, M.S. University of Illinois (Urbana-Champaign), 1983; Ph.D. 1987; M.D. Rush, 1990.

Edward Schwarz, and *Immunology*, and Rheumatology. B.S. Worcester Polytechnic Institute, 1988; M.A. Albert Einstein, 1990; Ph.D. 1993.

Fay Young, and Hematology Oncology. B.A. Yale, 1977; M.D. Harvard, 1982.

MOLECULAR GENETICS

Program Leader: Robert Bambara, Ph.D.

Professors

Robert A. Bambara, and *Biochemistry*, and Oncology. B.A. Northwestern, 1970; Ph.D. Cornell, 1974.

William Bernhard, B.S. Union, 1964; M.S. Pennsylvania State, 1966; Ph.D. 1968.

Philip Fay, and *General Medicine*. B.S. Ohio State, 1975; M.S. SUNY (Buffalo), 1977; Ph.D. Rochester, 1982.

Howard J. Federoff, *Professor of Neurology and Director of Center for Aging and Developmental Biology; Director of Neuroscience; Chief of Molecular Medicine and Gene Therapy*, and Medicine, Microbiology and Immunology, and Oncology. B.A. Earlham College, 1974; Ph.D. Albert Einstein, 1979; M.D. 1985.

David Hinkle, A.B. Harvard, 1966; Ph.D. University of California (Berkeley), 1971.

Christopher Lawrence, and *Biochemistry and Biophysics*. B.S. University College of Wales, 1956; Ph.D. University of Birmingham (England), 1959.

Alice Pentland, and *James H. Sterner Professor and Chair of Dermatology*. M.D. University of Michigan, 1978.

Joseph D. Rosenblatt, and *Medicine*, and *Unit Head, Hematology-Oncology and Associate Director for Clinical Research*. B.S. University of California, 1976; M.D. UCLA, 1980.

Peter T. Rowley, and *Medicine (Genetics)*, Pediatrics, and Microbiology and Immunology, and Oncology. A.B. Harvard, 1951; M.D. Columbia, 1955.

Alan Senior, and *Biochemistry and Biophysics*. B.S. University of Durham (England), 1964; Ph.D. University of Newcastle upon Tyne (England), 1968.

Douglas Turner, and *Chemistry*. A.B. Harvard, 1967; Ph.D. Columbia, 1972.

Leon Wheelless, and *Pathology and Laboratory Medicine*, and Professor Emeritus. B.S. Massachusetts Institute of Technology, 1958; M.S. Rochester, 1962; Ph.D. 1965.

Sayeeda B. Zain, and *Biochemistry*, and Oncology. B.Sc. Osmania University (India), 1964; M.D.Sc. 1966; Ph.D. Glasgow University (Scotland), 1971.

Associate Professors

Lisa Demeter, and *Infectious Disease*. B.A. Rochester, 1979; M.S. 1980; M.D. 1984

Stephen Dewhurst, and *Microbiology and Immunology*, and Oncology. B.A. Bristol University (England), 1984; Ph.D. Nebraska, 1987.

Assistant Professors

Robert Freeman, and *Pharmacology and Physiology*. B.S. University of Delaware, 1985; M.S. University of California (San Diego), 1987; Ph.D. 1991.

Jeffrey Hayes, and *Biochemistry and Biophysics*. B.S. Bowling Green, 1983; M.S. 1985; Ph.D. Johns Hopkins, 1990.

Vicente Planelles, and *Medicine*. B.S. Universidad Complutense, Madrid (Spain), 1984; M.S. 1985; Ph.D. University of California (Davis), 1991.

THORACIC ONCOLOGY

Program Leader: Richard Phipps, Ph.D.

Professors

Jacob N. Finkelstein, and *Pediatrics*, and Environmental Medicine, and Radiation Oncology. B.S. Carnegie Mellon, 1971; Ph.D. Northwestern, 1976.

Russell Hilf, and *Biochemistry*, and Oncology. B.S. City College of New York, 1952; M.S. Rutgers, 1953; Ph.D. 1955.

Peter C. Keng, and *Radiation Oncology*, and Biophysics. B.S. Tung Hai University (Taiwan), 1968; Ph.D. Colorado State, 1978.

Gunter Oberdörster, and *Environmental Medicine*. D.V.M. University of Giessen (West Germany), 1964; Ph.D. 1966.

Paul Okunieff, and *Program Leader of Radiation Oncology and Genitourinary Oncology*. B.S. Massachusetts Institute of Technology, 1978; M.D. Harvard, 1982.

Richard P. Phipps, and *Microbiology and Immunology*. BSM.T. Loyola, 1977; Ph.D. Medical College of Virginia, 1980.

Philip Rubin, and *Radiation Oncology*. B.A. New York University, 1946; M.D. SUNY College of Medicine (New York), 1950.

Associate Professor

Richard K. Barth, and *Microbiology and Immunology*, and *Oncology*. B.S. St. Bonaventure, 1976; Ph.D. Roswell Park Memorial Institute, 1982.

Assistant Professors

Yuhchayau Chen, and *Radiation Oncology*. B.S. National Taiwan University, 1976; Ph.D. 1988; M.D. University of Washington, 1990.

Barry Stripp, and *Behavioral Medicine*. B.S.C. Briston Polytechnic (U.K.), 1984; Ph.D. East Carolina, 1989.

Clinical Assistant Professors

Richard H. Feins, and *Surgey*, and *Oncology*. B.S. Dartmouth, 1969; M.D. Vermont, 1973.

David Johnstone, and *Surgey*. B.S. Yale, 1979; M.D. Northwestern, 1984.

Research Associate Professor

Deborah J. Ossip-Klein, and *Psychology*, and *Community and Preventive Medicine*, and *Oncology*. B.A. University of Miami (Florida), 1975; M.S. Pittsburgh, 1977; Ph.D. 1981.

Research Assistant Professors

Jane Hickok, and *Behavioral Medicine*. B.A. Cornell, 1960; M.D. 1964; M.PH. Rochester, 1984.

Jacqueline Williams, and *Radiation Oncology*. B.S. University of Nottingham (U.K.), 1979; Ph.D. University of London (U.K.), 1986.

RADIATION ONCOLOGY

Program Leader: Paul Okunieff, M.D.

Professors

Louis S. Constine, and *Pediatrics*. B.A. Stanford, 1969; M.D. Johns Hopkins, 1973.

Robert Dworkin, and *Anesthesiology*, and *Psychiatry*. B.A. University of Pennsylvania, 1971; Ph.D. Harvard, 1977.

Jacob N. Finkelstein, and *Pediatrics*, and *Environmental Medicine*, and *Radiation Oncology*. B.S. Carnegie Mellon, 1971; Ph.D. Northwestern, 1976.

John Hansen, B.A. Beilol College, 1970; M.S. Creighton University, 1972; Ph.D. Tulane, 1974.

Peter C. Keng, and *Biophysics*. B.S. Tung Hai University (Taiwan), 1968; Ph.D. Colorado State, 1978.

Steven Lipschultz, and *Pediatrics*. B.A. University of Pennsylvania, 1976; M.S. 1980; M.D. Dartmouth, 1981.

Cyril Meyerowitz, and *Clinical Dentistry*. B.S. University of Witwatersrand (South Africa), 1973; M.S. Rochester, 1979.

Gary Morrow, and *Psychiatry (Psychology)*. B.A. Notre Dame, 1966; B.S. 1967; M.S. Rhode Island, 1972; Ph.D. 1975; M.S. Rochester, 1988.

Paul Okunieff, and *Thoracic Oncology and Genitourinary Oncology*. B.S. Massachusetts Institute of Technology, 1978; M.D. Harvard, 1982.

Philip Rubin, and *Radiation Oncology*. B.A. New York University, 1946; M.D. SUNY College of Medicine (New York), 1950.

O.J. Sahler, and *Medicine*. B.A. Radcliffe College, 1966; M.D. Rochester, 1971.

Associate Professors

Kishan J. Pandya, and *Medicine*, and *Oncology*. M.B.B.S. M.S.U. of Baroda (India), 1971.

Michael Schell, and *Nuclear/Medical Physics*. B.S. SUNY (Stony Brook), 1972; M.S. Kentucky, 1976; Ph.D. Wisconsin, 1984.

Assistant Professors

Ralph Brasacchio, and *Immunology*. B.A. St. John's, 1983; M.S. Roswell Park Cancer Institute, 1986; M.D. Jefferson, 1990.

Yuhchayau Chen, and *Thoracic Oncology*. B.S. National Taiwan University, 1976; Ph.D. 1988; M.D. University of Washington, 1990.

Ivan Ding. M.D. Henan Medical University, 1982; M.B. 1985; M.S. New Jersey, 1989.

Bruce Fenton. B.S. Montana State, 1972; M.S. 1975; Ph.D. University of California (San Diego), 1980.

Yan Yu. B.S. University of London (U.K.), 1983; Ph.D. 1986.

Research Assistant Professors

Jane T. Hickok. B.A. Cornell, 1960; M.D. 1964; M.PH. Rochester, 1984.

Jacqueline Williams, and *Thoracic Oncology*. B.S. University of Nottingham (U.K.), 1979; Ph.D. University of London (U.K.), 1986.

PEDIATRIC ONCOLOGY

Program Leader: James Palis, M.D.

Professors

Louis S. Constine, and *Radiation Oncology*, and *Pediatrics*. B.A. Stanford, 1969; M.D. Johns Hopkins, 1973.

Steven Lipschultz, and *Radiation Oncology*. B.A. University of Pennsylvania, 1976; M.S. 1980; M.D. Dartmouth, 1981.

O.J. Sahler, and *Radiation Oncology*. B.A. Radcliffe, 1966; M.D. Rochester, 1971.

George Segel, and *Genetics*. M.D. Jefferson, 1964.

Associate Professors

Barbara Asselin. B.S. Boston College, 1977; M.D. Rochester, 1981.

James Palis, and *Signal Transduction/Transcription*. B.A. Rochester, 1975; M.D. 1981.

Lisa Teot. B.A. Williams, 1982; M.D. George Washington University, 1986.

Assistant Professors

Frank Gigliotti. A.B. West Virginia, 1974; M.D. University of Virginia, 1977.

Andrea Hinkle. A.B. Dartmouth, 1983; M.D. Brown, 1987.

David Korones, B.A. Princeton, 1976; M.D. Vanderbilt, 1983.

Norma B. Lerner. B.A. Tufts, 1971; M.D. Brown, 1975.

Terry Wright. B.S. Rochester Institute of Technology, 1990; M.S. Rochester, 1992; Ph.D. 1995.

Senior Instructor

Kathleen McGrath, B.A. Reed College, 1982; M.S. Rochester, 1987; Ph.D. 1992.

Research Assistant Professor

Paul D. Kingsley, B.A. Reed College, 1982; Ph.D. Rochester, 1992.

BREAST ONCOLOGY

Program Leaders: Gretchen Ahrendt, M.D., Jennifer Griggs, M.D.

Professors

Camille N. Abboud, and *Medicine*. B.S. American University of Beirut (Lebanon), 1970; M.D. 1974.

Robert A. Bambara, and *Molecular Genetics*. B.A. Northwestern, 1970; Ph.D. Cornell, 1974.

Nancy Bennett, and *Deputy Health Director*, B.A. Sarah Lawrence College, 1973; M.D. New York University, 1981; M.S. Columbia, 1988.

Robert Dworkin, and *Psychiatry*. B.A. University of Pennsylvania, 1971; Ph.D. Harvard, 1977.

Russell Hilf, and *Biochemistry*, and *Oncology*. B.S. City College of New York, 1952; M.S. Rutgers, 1953; Ph.D. 1955.

Gary Morrow, and *Psychiatry (Psychology)*. B.A. Notre Dame, 1966; B.S. 1967; M.S. Rhode Island, 1972; Ph.D. 1975; M.S. Rochester, 1988.

Paul Okunieff, and *Program Leader of Radiation Oncology*. B.S. Massachusetts Institute of Technology, 1978; M.D. Harvard, 1982.

Joseph D. Rosenblatt, and *Medicine*, and *Unit Head of Hematology and Associate Director for Clinical Research*. B.S. University of California (Los Angeles), 1976; M.D. 1980.

Peter T. Rowley, and *Medicine (Genetics)*, and *Pediatrics*, and *Microbiology and Immunology*. A.B. Harvard, 1951; M.D. Columbia, 1955.

Associate Professors

Gretchen Ahrendt, and *Surgery* and *Oncology*. B.A. Carleton, 1985; M.D. Johns Hopkins, 1990.

Thomas Foster, and *Radiation Oncology*, B.S. Stevens Institute, 1983; M.A. Rochester, 1988; Ph.D. 1990.

Kishan J. Pandya, and *Medicine*, and *Oncology*. B.S. Maharaja Sayajirao University of Baroda (India), 1967; M.B. 1972.

James L. Peacock, and *Surgery*, and *Oncology*. B.A. Colorado College, 1978; M.D. Tulane, 1982.

Assistant Professors

Yuhchayou Chen, and *Radiation Oncology*. B.S. National Taiwan University, 1976; Ph.D. 1988; M.D. University of Washington, 1990.

Jennifer Griggs, and *Medicine*. B.A. Mount Holyoke, 1986; M.D. SUNY (Buffalo), 1990.

GENITOURINARY ONCOLOGY

Program Leader: Edward Messing, M.D.

Professors

Chawnschang Chang, *George Hoyt Whipple Professor*, and *Pathology and Laboratory Medicine*, and *Signal Transduction*. B.S. National Taiwan University, 1978; Ph.D. Chicago, 1985.

P. Anthony diSant' Agnese, and *Laboratory Medicine*. B.S. Amherst, 1971; M.D. Columbia, 1975.

Howard J. Federoff, *Professor of Neurology and Director of Center for Aging and Developmental Biology; Director of Neuroscience; Chief of Molecular Medicine and Gene Therapy*; and *Medicine, Microbiology and Immunology, and Oncology*. B.A. Earlham College, 1974; Ph.D. Albert Einstein, 1979; M.D. 1983.

Russell Hilf, and *Biochemistry*, and *Oncology*. B.S. City College of New York, 1952; M.S. Rutgers, 1953; Ph.D. 1955.

Edith M. Lord, and *Microbiology and Immunology, and Oncology*. B.A. Kansas, 1970; Ph.D. University of California (San Diego), 1975.

Edward M. Messing, and *Winfield Scott Professor of Urology and Program Leader Genitourinary Oncology*. A.B. University of Chicago, 1968; M.D. New York University, 1972.

Gary Morrow, and *Psychiatry (Psychology)*. B.A. Notre Dame, 1966; B.S. 1967; M.S. Rhode Island, 1972; Ph.D. 1975; M.S. Rochester, 1988.

Paul Okunieff, and *Program Leader of Radiation Oncology and Thoracic Oncology*. B.S. Massachusetts Institute of Technology, 1978; M.D. Harvard, 1982.

Edward Puzas, and *Donald & Mary Clark Professor of Orthopaedics*. B.S. University of Massachusetts, 1971; M.S. Rochester, 1973; Ph.D. 1975.

Randy N. Rosier, and *Orthopaedics*, and *Biophysics*. B.S. Dickinson, 1972; M.S. Rochester, 1977; M.D. 1978; Ph.D. 1979.

Leon Wheelless, and *Pathology and Laboratory Medicine*, and *Professor Emeritus*. B.S. Massachusetts Institute of Technology, 1958; M.S. Rochester, 1962; Ph.D. 1965.

Associate Professors

John G. Frelinger, and *Microbiology and Immunology*, and *Oncology*. B.S. Stanford, 1975; Ph.D. California Institute of Technology, 1980.

Jan Moynihan, and *Psychiatry*, and *Oncology*. B.A. Rochester, 1976; M.S. 1983; Ph.D. 1985.

Deepak M. Sahasrabudhe, and *Medicine*, and *Oncology*. M.B. Bombay University (India), 1974; B.S. 1974.

Harold C. Smith, and *Pathology and Laboratory Medicine*, and *Biochemistry*, and *Oncology*. B.S. Purdue, 1975; M.S. 1978; M.A. SUNY (Buffalo), 1980; Ph.D. 1982.

David Wu, B.S. National Taiwan University, 1976; M.S. 1980; Ph.D. Massachusetts Institute of Technology, 1987.

Maurice Zauderer, and *Microbiology and Immunology*, and *Oncology*. B.A. Yeshiva University (Israel), 1966; Ph.D. Massachusetts Institute of Technology, 1972.

Research Associate Professor

Deborah J. Ossip-Klein, and *Psychology*, and *Community and Preventive Medicine*, and *Oncology*. B.A. University of Miami (Florida), 1975; M.S. Pittsburgh, 1977; Ph.D., 1981.

Assistant Professors

Ralph Brasacchio, and *Immunology*. B.A. St. John's, 1983; M.S. Roswell Park Cancer Institute, 1986; M.D. Jefferson, 1990.

Paul R. Duberstein, and *Psychiatry*, and *Oncology*. B.A. University of Pennsylvania, 1982; Ph.D. SUNY (Buffalo), 1990.

Jennifer Griggs, and *Medicine*. B.A. Mount Holyoke, 1986; M.D. SUNY (Buffalo), 1990.

Yan Yu. B.S. University of London (U.K.), 1983; Ph.D., 1986.

Research Assistant Professors

Jane T. Hickok. B.A. Cornell, 1960; M.D. 1964; M.P.H. Rochester, 1984.

Jay Reeder. B.A. SUNY (Binghamton), 1980; M.S. Rochester, 1992; Ph.D. 1997.

Guan Wu. M.D. Beijing Medical University (China), 1983; Ph.D. 1989.