
DEPARTMENT OF OPHTHALMOLOGY

The Department of Ophthalmology has a long and distinguished tradition at the University of Rochester that includes teaching, research, education, and clinical services. The Department's participation in the education of undergraduate medical students and postgraduate medical residents is intrinsic, beginning with the examination of the eye, and continuing through ocular declarations of more systemic processes. Students are introduced to ophthalmology early in their medical education, participating with faculty in problem-based learning experiences. The principles of ophthalmology are based on the foundations of visual science, ocular physiology, biochemistry, and the empirical findings of both clinical research and experience.

The Department is committed to training physicians who are not going to be ophthalmologists and also offers a three-year training program for those interested in making ophthalmology their subspecialty area. The Department is proud of its progressive teaching platform, which includes problem-based and team-based teaching for residents. It is a department of collaborators who work with specialists in many different fields, enabling them to offer clinical training, research opportunities, and an introduction to the medicine and surgery of vision.

The Department's faculty participates in the Double Helix Curriculum for the Ambulatory Clerkship. The clerkship aims to familiarize students with common ocular problems, infections, trauma, hereditary disorders, cataracts, glaucoma, retinal anomalies, and ocular motility disturbances that present commonly to clinicians. Also included in this instruction are medical and surgical approaches to eye diseases. Students are assigned to three half-day lectures. The first is a lecture series combined with a hands-on skills teaching lab. The basic skills used in an eye exam are taught, which include visual acuity measurement, pupillary exam, hand light exam, ocular motility assessment, slit lamp exam, and fundus exam with the direct ophthalmoscope. The second half-day consists of in-depth lectures on low vision, systemic diseases, the aging eye, pediatrics, ocular emergencies, and the red eye. The final half-day is an open forum in which 27 case studies in ophthalmology are discussed.

Additional electives are available for third- and fourth-year students in the subspecialties of ophthalmology, including cornea, glaucoma, retina, and neuro-ophthalmology.

Electives are also offered to residents in training in primary care medicine, family practice, neurology, and internal medicine.

The Department offers a three-year accredited residency program based at Strong Memorial Hospital, with affiliations at Unity Health System and Rochester General hospitals.

The Department maintains a vigorous research component, and shares a growing and meaningful relationship with the University's Center for Visual Sciences on the River Campus.

Faculty of the Department of Ophthalmology

Barrett Katz . . . *Professor of Ophthalmology and Acting Chair*; Professor of Neurology, Surgery, and Visual Science. A.B. Colgate, 1969; M.D. Western Reserve, 1973; Intern, Parkland Memorial Hospital (Dallas, Texas), 1973-74; Staff Associate, NIH, 1974-75; Resident in Neurology, Harvard Medical School, 1975-78; Resident in Ophthalmology, Tufts-New England Medical Center, 1978-81; Fellowship in Neuro-Ophthalmology, University of California (San Francisco), 1981; Assistant Professor, Departments of Ophthalmology, Neurology, Neurosurgery, University of Arizona, 1982-84; Assistant Professor, Departments of Ophthalmology and Neurosciences, University of California (San Diego), 1984-88, Associate Professor, 1988-89; Wayne and Gladys Valley Professor and Vice-Chair and Senior Scientist, Department of Ophthalmology, California Pacific Medical Center and Smith-Kettlewell Eye Research Institute, 1996; Professor and Vice-Chair, Department of Ophthalmology, University of Rochester School of Medicine and Dentistry, 1996-; Professor, Department of Neurology, 1996-; Professor, Department of Surgery, 1996- .

Professors

George H. Bresnick, Emeritus. A.B. Harvard, 1959; M.D. New York University, 1963.

Manuel del Cerro, Emeritus. B.A., S.C. Buenos Aires National College, 1951; M.D. University of Buenos Aires, 1958.

Donald A. Grover. B.A. Rochester, 1962; M.D. 1966.

William H. Merigan. B.A. Boston College, 1967; M.S. University of Maryland, 1974; Ph.D. 1975.



Gary D. Paige, and *Neurobiology and Anatomy*, and Neurology, and Pharmacology and Physiology, and Surgery, and Center for Visual Science; B.S. University of California (Irvine), 1974; Ph.D. University of Chicago, 1980; M.D. 1981.

Dale L. Phelps, and *Pediatrics*. B.S. Northwestern, 1966; M.D. 1969.

Albert C. Snell, Emeritus. B.A. Princeton, 1935; M.D. Rochester, 1940.

David R. Williams, and *Brain and Cognitive Sciences* and Optics. B.S. Denison, 1975; M.A. University of California (San Diego), 1976; Ph.D. 1979.

Donald N. Zehl, Emeritus. B.A. Connecticut, 1951; M.S. Yale, 1953; M.D. Vermont, 1957.

Seymour Zigman, Emeritus, and Biochemistry and Biophysics. B.A. Cornell, 1954; M.S. Rutgers, 1956; Ph.D. 1959.

Clinical Professors

James V. Aquavella. A.B. Johns Hopkins, 1952; M.D. University of Naples (Italy), 1957.

James R. Boynton. A.B. Harvard, 1967; M.D. Tufts, 1971.

John Fitzgerald, Emeritus. B.S. Richmond, 1943; M.D. Medical College of Virginia, 1946.

Robert E. Kennedy. B.A. Rochester, 1942; M.D. Syracuse, 1945.

Hobart C. Lerner. A.B. Harvard, 1940; M.D. Columbia, 1943.

Brian Levy. O.D. University of California, 1976; M.S. University of Waterloo, 1979.

Scott M. MacRae. B.S. University of Wisconsin, 1974; M.D. 1977.

Henry S. Metz, and *Pediatrics*. A.B. Columbia, 1957; M.D. SUNY (Downstate), 1961.

Steven S. Searl, and Pathology and Laboratory Medicine. A.B. Amherst, 1967; M.D. Columbia, 1972.

Gwen K. Sterns. B.A. New York University, 1966; M.D. Medical College of Pennsylvania, 1970.

Associate Professors

Steven S. T. Ching. B.S. Wesleyan, 1970; M.D. Rochester, 1974.

Charles J. Duffy, and *Neurology*, and Neurobiology and Anatomy, and Visual Science, and Brain and Cognitive Sciences. A.B. Harvard College, 1977; M.D., Ph.D. Johns Hopkins, 1984.

Ronald D. Plotnik. B.S. University of Michigan, 1982; M.D. 1986.

Research Associate Professor

Robert Emerson, and Visual Science. B.S. Lehigh, 1961; M.S. Adelphi, 1966; Ph.D. University of Pennsylvania, 1973.

Research Assistant Professors

Krystel R. Huxlin. B.S. University of Sydney, 1991; Ph.D. 1994.

Gail M. Seigel, and *Neurobiology and Anatomy*. B.S. Rutgers, 1983; Ph.D. Albany Medical College, 1990.

Clinical Associate Professors

Frederick Dushay. B.A. Syracuse, 1954; M.D. SUNY (Upstate), 1957.

Gault M. Farrell. A.B. Hamilton, 1963; M.D. Albany Medical College, 1967.

Ellis Gruber. M.B.Ch.B. Liverpool University (England), 1948; M.D. New York University, 1955.

Daniel B. Levin. B.A. Columbia, 1963; M.D. SUNY (Buffalo), 1969.

Gary D. Markowitz. B.A. Brandeis, 1984; M.D. Columbia, 1989.

Primitivo Roca. B.S. Manzanillo Institute (Cuba), 1946; M.D. Havana (Cuba), 1954.

Steven J. Rose. A.B. Bowdoin, 1979; M.D. Rochester, 1985.

Howard I. Schenker. A.B. Cornell, 1971; M.D. 1975.

Robert E. Vanderlinde. B.A. University of Pennsylvania, 1970; M.D. Harvard, 1974.

Assistant Professor

David J. Calkins, and Neurology, and Neurobiology and Anatomy, and Center for Visual Science. B.S. Michigan, 1989; Ph.D. Pennsylvania, 1994.

Clinical Assistant Professors

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

David K. Bell. B.A. Case Western, 1964; M.D. SUNY (Buffalo), 1968.

Gabrielle T. Bodnar. A.B. Brown, 1984; M.D. Rochester, 1988.

Shobha Boghani. M.B.B.S. B.J. Medical College (India), 1979; D.O. 1982; M.S. 1983.

William C. Caccamise. B.A. Rochester, 1944; M.D. 1946.

Michael F. Cappette. B.A. Rochester, 1962; M.D. University of Brussels, 1972.

Shi-Hwa W. Chang. B.S. National Taiwan, 1980; M.D. 1984.

Dinesh Chawla. B.S. Delhi University (India), 1965; M.D. 1972.

Donald Cherr. B.S. Delaware, 1952; M.D. University of Basel (Switzerland), 1957.

Eugene A. Cimino. B.A. Buffalo, 1956; M.S. 1957; M.D. 1961.

John W. Crofts. B.S.E., Princeton, 1975; M.D. SUNY (Buffalo), 1979.

Bernard F. Donovan. B.S. Georgetown, 1947; M.D. Rochester, 1951.

James W. Fox. B.A. Stanford, 1965; M.D. Duke, 1969.

John A. Garnish. B.A. Rochester, 1951; M.D. SUNY (Upstate), 1959.

Andrew N. Goodfriend. B.S. Rochester Institute of Technology, 1988; M.D. Rochester, 1992.

Alan H. Gruber. B.A. Northwestern, 1976; M.D. Rochester, 1980.

Ernest Guillet. B.S. Union, 1973; M.S. Rochester, 1977; Ph.D. 1979; M.D. 1979.

Jeffrey K. Harris. A.B. Colgate, 1972; M.D. Colorado, 1976.

Paul J. Hartman. B.A. Vassar, 1985; M.D. Boston, 1993.

Sungjun J. Hwang. B.A. Dartmouth, 1987; M.D. 1994.

Mark S. Jacobson. B.A. SUNY (Buffalo), 1988; M.D. 1992.

Richard R. Jamison. B.A. Rochester, 1963; M.D. SUNY (Upstate), 1966.

Kenneth J. Lindahl. B.S. Union College, 1977; M.D. Rochester, 1981.

Karl J. Marchenese, and Family Medicine. B.S. Bucknell, 1970; M.D. Rochester, 1974.

Walter N. Muth. A.B. Harvard, 1965; M.D. Rochester, 1969.

Mary S. Napoleon. B.S. Niagara, 1972; M.D. Cornell, 1978.

Robert L. Olsen. B.A. SUNY (Buffalo), 1977; M.D. Rochester, 1981.

Steve B. Park. B.A. Northwestern, 1982; M.D. Illinois, 1986.

Christine Platt. B.S. Tufts, 1969; Ph.D. Rochester, 1979; M.D. 1983.

Saul L. Presberg. B.A. Cornell, 1958; M.D. Northwestern, 1962.

Susan Presberg-Greene. B.A. Oberlin, 1978; M.D. Rochester, 1986.

Allan M. Robbins. B.A. Yeshiva University, 1971; M.D. Albert Einstein, 1974.

Marc W. Robboy. B.S., B.A. Ohio State, 1972; O.D. 1980.

Paul Rosenberg. B.S. SUNY (Buffalo), 1973; M.D. 1982.

Joseph G. Seeger. B.S. Rensselaer, 1950; M.D. Rochester, 1954.

Richard Seeger. B.A. Holy Cross, 1977; M.D. Albany Medical, 1981.

Arnold L. Shapiro. B.S. University of Chicago, 1968; M.D. University of California, 1972.

Earlene Siebold. B.A. University of the South, 1979; M.D. Rochester, 1983.

Donald Siegel. B.A. St. Mary's College, 1979; O.D. University of California, 1990.

Joseph D. Silverberg. B.A. Rochester, 1957; M.D. SUNY (Upstate), 1961.

David N. Smith, and Neurology. B.S. Massachusetts Institute of Technology, 1965; M.S. New York University, 1967; M.D. Rochester, 1973; Ph.D. 1986.

Donald H. Tingley. B.A. Yale, 1981; M.D. SUNY (Buffalo), 1985.

Ralph S. Viola. B.S. Georgetown, 1983; M.D. 1988.

William N. White II. A.B. Dartmouth, 1984; M.D. Marshall, 1989.

O. Gregory Zazulak. B.S. SUNY (Buffalo), 1984; M.D. 1988.

Clinical Senior Instructors

Omar Hanuch. B.A. Del Plata Adventist College, 1983; M.D. Cordoba National University, 1989.

Philip Sheils. B.A. Wayne State, 1981; M.D. 1985.

Diane E. Singer. B.A. Colgate, 1985; M.D. New Jersey, 1993.

Clinical Instructors

Allan D. Blum. B.A. Brooklyn College, 1958; M.D. University of Lausanne (Switzerland), 1965.

Stephan Greenberg. B.A. Alfred, 1962; M.D. New York Medical, 1966.

Michele A. Lagana. B.S. Nazareth College, 1986; O.D. New England College of Optometry, 1992.

Michael R. Paterno. B.A. SUNY (Binghamton), 1982; B.S. Pennsylvania College of Optometry, 1983; O.D. 1986.

Robert Walsh. B.S. Buffalo, 1976; M.D. 1980.

Robert C. Weber. M.S. Bucknell, 1978; M.D. Jefferson Medical, 1989.

Senior Associate

William S. Fischer. B.S. Rochester Institute of Technology, 1985.

Associates

Thomas A. Andolina. B.A. SUNY (Oswego), 1986; O.D. Pennsylvania College of Optometry, 1991.

Michael D. DePaolis. B.S. St. John Fisher, 1979; O.D. Pennsylvania College of Optometry, 1982.

Ann E. Dwyer, part-time. B.A. Mount Holyoke, 1975; D.V.M. Cornell, 1983.

Karen L. Jensen. B.S. Rochester, 1982; M.S. 1984.

Bernard N. Reznick, part-time. B.S.C. Ohio State, 1958.

Robert A. Ryan. B.S. Pennsylvania College of Optometry, 1986; O.D. 1989.

Joseph M. Stamm, part-time. B.S. Harpur College, 1978; O.D. SUNY, State College of Optometry, 1982.

Kevin B. Wynne. B.A. St. John Fisher, 1988; O.D. Pennsylvania College of Optometry, 1992.

Clinical Assistant

James Strauss. O.D. Erie Community College, 1968.