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Part IV: College of Graduate Studies 1980-1990, with index (pages 949-972)

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After more than a decade of fruitful service, Dean Robert C. Baldridge resigned in 1981 to pursue his earlier interest in teaching and research. He was succeeded by Jussi J. Saukkonen, M.D. who had come to Jefferson in 1969 as Associate Professor of Microbiology, rising to full Professor in 1972. Dr. Saukkonen, a native of Finland, had an extensive background in research, teaching and editorial work which qualified him well for the Deanship (Fig. 49).

During the early 1980s, the explosion of biological knowledge of the previous two decades required further expansion of the Microbiology Department for the extensive teaching and research programs. In 1980, Joye E. Jones, Ph.D., was appointed Assistant Professor to further promote the area of immunology and to renew the area of investigative parasitology. Alumnus Thomas J. Wade, Ph.D., was also named Assistant Professor. The Department had been reorganized during this period along three separate but interrelated groups: immunology, molecular genetics, and virology, with pathogenesis of infectious diseases at the molecular level.

The hybrid nature of the Department of Biochemistry was recognized formally in 1983/84 when two separate programs of graduate study were listed: Biochemical Approach to Immunology, and Molecular and Developmental Biochemistry. These graduate programs reflected also the divergent research interests of the two groups within the Department.

In 1979 the Department of Pharmacology was awarded a training grant in Industrial and Environmental Toxicology by the National Institute of Environmental Health Sciences. The purpose of this award was to provide postdoctoral training in toxicology for individuals who had previously received their Ph.D. degrees in other sciences. Ten M.S. degrees were subsequently awarded in this program between 1981 and 1986.

In April of 1980, the Ischemia-Shock Research Center of the Department of Physiology sponsored a minisymposium on shock. Stuart K. Williams, II was appointed Assistant Professor of Physiology in 1981. His research interests were in microcirculation and the role of micropinocytosis in capillary endothelium. In 1980, Dr. Joseph R. Sherwin was named coordinator of the first-year course in medical physiology. He was later named Associate Dean of the College of Graduate Studies and Director of the University Office of Research Administration.

Warren R. Lang, M.D., (Fig. 50) became Acting Chairman of the Department of Pathology in 1979, following the sudden death of Dr. Aponte. He was named the seventh Chairman and first Gonzalo E. Aponte Professor of Pathology in 1983. By 1963, Dr. Lang had risen to prominence in his...
specialty of Obstetrics and Gynecology, cooperating with Drs. Lewis Scheffey (JMC, '20) and Abraham Rakoff (JMC, '37) in the early development of gynecologic cytology. It surprised many of his colleagues when he decided in 1968 to make his career change to pathology.

The Faculty in the Department of Anatomy at the time included neuroscientists Drs. Leonard M. Eisenman, Daniel Goldwitz, Gerald Grunwald and Kevin S. Lee. As research programs in the individual laboratories developed momentum, it became increasingly easy to recruit additional young people to the faculty because they sought the ferment and interaction available from a group of individuals working in the related areas of developmental biology from the viewpoint of teratogenesis or of neurosciences.

Fig. 50. Warren R. Lang, M.D., Chairman of Pathology (1979-86).

Anatomy Alumni

Mindy George-Weinstein, Ph.D., (1984), was a postdoctoral fellow in the Department of Biochemistry and Biophysics at the University of Pennsylvania from 1984 to 1987 and in the Department of Microbiology until 1988. Her postdoctoral work was supported by NIH and Muscular Dystrophy Association grants. From there she became Assistant Professor of Anatomy at the Philadelphia College of Osteopathic Medicine. Dr. George-Weinstein's work again received NIH support for her research on the commitment and development of somatic myoblasts. She has published 13 papers on her work.

Thomas B. Knudsen, Ph.D., (1981), upon graduation worked as a Research Scholar in Cell Biology at the Children's Hospital Research Foundation Institute of Developmental Research in Cincinnati. In 1982 he was appointed as NIH Postdoctoral Fellow in Biology at Emory University where he advanced to Assistant Professor of Biology in 1986. He later became Assistant Professor of Anatomy at East Tennessee State University. In 1990 he returned to Jefferson as Assistant Professor of Anatomy and continued research in the area of mechanisms of abnormal embryonic development. Dr. Knudsen has been Associate Editor of Teratology and a Special Reviewer for Study Sections of the NIH. He has published 16 papers.

Scott A. Waldman, M.D., Ph.D., (1980), became a postdoctoral fellow at the University of Virginia in the Department of Medicine, Division of Clinical Pharmacology where his research involved purification and characterization of soluble and particulate guanylate cyclase from mammalian tissue. He continued these studies during a second postdoctoral fellowship at Stanford University. His research there was expanded and included transmembrane signalling pathways underlying stimulus-response coupling in systems sensitive to atrial natriuretic peptides. He also attended Stanford's School of Medicine, earned his M.D. degree in 1987, and served his residency in internal medicine at Stanford. In 1990, he was appointed Assistant Professor of Medicine and Pharmacology and Chief of the Laboratory for Signal Transduction Research at Jefferson. He was also named Director of Jeffer-
son’s Laboratory of Investigative Medicine and Interim Medical Director of the Clinical Research Unit. He was the recipient of the Pharmaceutical Manufacturer’s Association Foundation Research Starter Grant and Faculty Development Award in Basic Pharmacology. He also served as Teaching Coordinator for the Division of Clinical Pharmacology and Coordinator for the Jefferson-French Binational Cooperative Training Program. Dr. Waldman has published nearly 100 papers, chapters, reviews and abstracts.

Biochemistry Alumni

Steven R. Per, Ph.D., (1984), served a postdoctoral position at the Wistar Institute of Anatomy and Biology where he researched the molecular cloning of human RNA polymerase genes as a means to study transcriptional control of gene expression. In 1986 he became a Postdoctoral Associate at Smith, Kline and French Laboratories in Philadelphia where he studied the biochemical mechanisms of topoisomerase enzymes and the functional relationship between gene structure, enzyme pharmacology and drug resistance. In 1988 he moved to Quality Biotech, Inc. in Camden, New Jersey as a Senior Scientist. There Dr. Per has been accountable for the management, planning and implementation of assays related to safety testing for biological products. He also designed test systems for detection of residual DNA, oncogenes and retroviruses. He has published nine papers and 13 abstracts.

Thomas H. Rushmore, Ph.D., (1983), served a postdoctoral fellowship in the Department of Pathology at the University of Toronto where he worked with Dr. Emmanuel Farber until 1987. He had received a National Research Service Award Fellowship from the NIH for the term of 1985 to 1987. He was then awarded a second postdoctoral fellowship at Merck Sharp and Dohme Research Laboratories which he held until 1991 when he accepted the position of Senior Research Molecular Biologist at Merck Frosst Center for Therapeutic Research in Kirkland, Quebec. His research interests included mechanisms of carcinogenesis, carcinogenesis and gene regulation, interaction of carcinogens and activated xenobiotics with RNA and DNA, mechanisms of cell death, and benzene metabolism and toxicity. He has co-authored 25 publications and 24 abstracts.

Robert L. Siegel, Ph.D., (1982), was the winner of the Paul Pinchuk Award for Outstanding Biochemistry Student. He served as an instructor in biochemistry at LaSalle University until 1982 when he became Research Chemist at E.I. DuPont de Nemours & Company, where he had research and development responsibilities for fluorochemical and antimicrobial based fiber products. He was promoted to Patent Specialist in 1986 and was named Group Leader in the Patent Division in 1989. Later that year he became Manager of the Organizational Development Group and Technical Group Manager in the Pioneering Research Laboratory with responsibility for the synthetic polymer R&D group involved in development of new synthetic polymers. Dr. Siegel served as Secretary of the College of Graduate Studies Alumni Association Board of Directors from 1984 to 1989 (Fig. 51).

Microbiology Alumni

Jerome G. Buescher, Ph.D., (1981), was appointed Instructor in the Department of Medical Technology at Jefferson's College of Allied Health Sciences in 1980 and advanced to Assistant Professor in 1982. After the Department was merged in 1987 he was named Assistant Professor in the Department of Laboratory Sciences and Assistant Program Director in medical technology. He was later named Acting Program Director. Since 1984, he has lectured on TOGA, Bunyamwera, and Arena Viruses and on Spirochetes in Jefferson’s Department of Microbiology. He has also served as a Portfolio Assessor since 1984 for Thomas A. Edison State College in Trenton, New Jersey. He was Consulting Editor for Clinical Laboratory Science in 1989 and was named Coordinating Editor of the Microbiology in Practice section of that publication in 1990. His research, since 1987, on borderline semisynthetic penicillin resistance and on methicillin resistance has been conducted in the Department of Medicine, Division of Infectious Diseases at Jefferson (Fig. 52).

Susan Croushore, M.S., M.B.A., (1982), served as the Laboratory Manager at Metropolitan Hospital in Philadelphia from 1982 to 1986. In 1983
she earned a master’s degree in business administration from LaSalle University and in 1986 moved to Hahnemann University Hospital where she served as Laboratory Administrator until 1989. In 1989 she became Assistant Vice President-Ancillary Services at the Medical College of Pennsylvania Hospital. Ms. Croushore, an active member of Jefferson’s Clinical Microbiology Alumni Group, was elected to the Board of Directors of the College of Graduate Studies Alumni Association in 1990.

Marilyn Chesler Hailperin, M.S., (1980), served as Supervisor of the Microbiology Laboratory at the Hospital of the University of Pennsylvania until 1981 when she joined Shared Medical Systems and held multiple positions, progressing to Manager of the Systems Analysis Department. In 1988 she became Assistant Vice President for Management Information Systems at West Jersey Health System where she has been responsible for strategic planning.

Bernardine Basquil Maloney, M.S., (1981), worked as a Senior Technologist at the Lahey Clinic from 1980 to 1984. From there she went on to the University of California at San Diego Medical Center where she has been a Clinical Microbiology Technologist Specialist since 1984.

Mark T. LaRocco, Ph.D., (1984), went on to a postdoctoral position at the University of Texas Medical School/Baylor College of Medicine in Medical Laboratory and Public Health Microbiology. In 1986 he became Assistant Professor of Pathology and Laboratory Medicine at the University of Texas Medical School. In 1989 he was appointed Section Chief of the Clinical Microbiology Laboratory at Hermann Hospital. He has published 26 abstracts and 30 articles.
Mark A. Marsili, M.D., Ph.D., (1981), following a postdoctoral fellowship at New York University Medical Center, earned his M.D. degree at Jefferson in 1988. After a one-year internship at Jefferson, in 1989 he began a residency in dermatology at the University of Texas Southwestern Medical Center at Dallas. His clinical interests have been in cutaneous laser surgery and general dermatology. He has published eight papers and five abstracts.

Rita L. Rhoads, M.S., (1980), was employed in the clinical laboratory of Allentown Hospital until 1982 and then at Bionics, Inc. and Cooper Biomedical, two biotechnology companies, until 1986. Since then she has served as a Senior Clinical Research Associate at McNeil Consumer Products Company where she has conducted clinical studies for new and marketed products and for FDA approvals.

Karen Plummer Sawyer, M.S., (1982), worked in clinical microbiology at Crozer-Chester Medical Center in Chester, Pennsylvania. In 1985 she assumed the position of Technical Supervisor of Microbiology in the Department of Pathology and Laboratory Medicine at the Hospital of the University of Pennsylvania. An active member of Jefferson’s Clinical Microbiology Alumni Group, she was elected its President in 1990.

Keith H. St. John, M.S., (1984), served as Director of Infection Control and Clinical Microbiologist at the Alfred I. DuPont Institute in Wilmington, Delaware. While there he also coordinated the conference *Pediatric Infections: Perspectives 1989* and then again in *1990*. He also developed a student affiliate program at A.I. DuPont for master’s graduate students at Jefferson. He then transferred to Sacred Heart Medical Center in Chester, Pennsylvania, as Director of Infection Control and Employee Health. An active member of Jefferson’s Clinical Microbiology Alumni Group, Mr. St. John served as its president from 1986 to 1988 and was appointed to the College of Graduate Studies Alumni Association Board of Directors in 1987.

Richard B. Thomson, Jr., Ph.D. (1981), served a postdoctoral year in Clinical Microbiology and Public Health at the Mayo Clinic in Rochester, Minnesota. In 1982 he was named Director of Clinical Virology at Children’s Hospital Medical Center and Director of Clinical Microbiology at Akron City Hospital in Akron, Ohio. He subsequently became Director of Microbiology and Virology at Evanston Hospital in Evanston, Illinois. From 1983 he served as Associate Professor of Clinical Microbiology in Pathology and also, from 1984, Associate Professor of Microbiology/Immunology at Northeastern Ohio Universities College of Medicine. He served on the American Academy of Microbiology Committee on Postdoctoral Educational Programs from 1988 and was editor of the microbiology section of the *American Society of Clinical Pathologist Tech Sample* from 1989. He has published 24 articles and made over 40 scientific presentations.

Karen Fisher Tyszka, M.S., (1983), while a student, received the Jane Stepcevitch Award for Research in Clinical Microbiology. Since 1982, she has been the Department Head of the Clinical Microbiology Laboratory at Atlantic City Medical Center.

**Pathology Alumni**

William J. Adams, Jr., Ph.D., (1980), also earned his M.S. degree in toxicology in 1981. He held the position of Assistant Professor of Toxicology at the Philadelphia College of Pharmacy and Science from 1981 to 1986. In 1983, he joined the U.S. Army Reserve as a Captain in the Medical Service Corps and in 1986 entered Officer Indoctrination School at the Naval Education and Training Command in Newport, Rhode Island. Dr. Adams served as a Research Biochemist in the Radioprotection Division at the Armed Forces Radiobiology Research Institute from 1986 to 1989. In 1989 he was named Lieutenant Commander and Radiation Health Officer aboard the U.S.S. Fulton AS-11, an auxiliary submarine tender.

**Pharmacology Alumni**

Nancy J. Lawrie Esterline, M.S., (1983), became a Laboratory Technician at the University of Medicine and Dentistry of New Jersey/Robert Wood Johnson Medical School in 1983 and was promoted to Research/Teaching Specialist in 1984. In 1987 she became Senior Research Pharmacologist at Nova Pharmaceutical Corporation in Baltimore and was promoted to Project Manager in 1988. In 1989 she accepted the position of Asso-
Associate Scientist at Rhone-Poulenc Rorer. She has co-authored three publications and nine abstracts.

Kathryn Hill DeTurck, Ph.D., (1983), V.M.D., served a postdoctoral position at Rutgers University Center of Alcohol Studies where she studied short and long term effects of ethanol on rats' behavior and cardiac enzymes. Through this work she published ten papers and two abstracts. She then received her V.M.D. degree from the University of Pennsylvania School of Veterinary Medicine in 1989. In 1990, Dr. DeTurck became Senior Staff Veterinarian and Assistant Professor at the University of Medicine and Dentistry of New Jersey/Robert Wood Johnson Medical School (Fig. 53). Her area of research has been in animal models of human disease and comparative laboratory animal medicine.

Kim D. Lamon, M.D., Ph.D., (1980), went on to his M.D. degree from Jefferson in 1981. He received postdoctoral training in biochemical pharmacology at Jefferson in 1979/80 and then served an internal medicine internship at Jefferson until 1982. He then joined William H. Rorer Company as Assistant Director of Clinical Research and advanced to Director in 1985. After a company merger, he was appointed Director of Clinical Research at Rorer Central Research. In 1987 he was named Vice President of Medical Affairs and his responsibilities included worldwide clinical research and development programs for all investigated drugs. After another company merger, he was named Senior Vice President of Clinical Research and Regulatory Affairs at Rhone-Poulenc-Rorer Central Research.

Fig. 53. Kathryn H. DeTurck, Ph.D., V.M.D., Senior Staff Veterinarian and Assistant Professor, University of Medicine and Dentistry, New Jersey.

Fig. 54. Kim D. Lamon, M.D., Ph.D., Senior Vice President of Clinical Research, Rhone-Poulenc-Rorer.
in 1990 (Fig. 54). Since 1989 he also served as Adjunct Assistant Professor of Pharmacology at Jefferson. He has co-authored 23 publications, mainly in the area of drug effects.

Stephen L. Longacre, Ph.D., (1980), served in a postdoctoral position in Biochemical Toxicology in the Department of Pharmacology at the Medical University of South Carolina. In 1982 he was appointed Study Director of Biochemical Toxicology in the Toxicology Department of Rohm and Haas Company in Spring House, Pennsylvania. In 1985 he was promoted to Group Leader of that area where he coordinated the overall scientific and administrative activities of the group. In 1989, Dr. Longacre was promoted to Toxicology Program Manager at Rohm and Haas, where he has been responsible for programs in developmental and commercial products, risk assessments, and corporate toxicology issues. He has co-authored 16 papers and five abstracts.

David Sammett, Ph.D., (1982), was a postdoctoral fellow in the Department of Pediatrics at New York Hospital of Cornell Medical Center until 1983 and then in the Department of Medicine at Columbia University College of Physicians and Surgeons until 1985. Following these experiences he went on to Mount Sinai School of Medicine where he earned his M.D. degree in 1989. He has co-authored six papers and three abstracts.

Joel E. Shaffer, Ph.D., (1980), has served as Head of the Department of Drug Evaluation at Glaxo Incorporated in Research Triangle Park, North Carolina.

John C. Shryock, Ph.D., (1982), served postdoctoral fellowships at the University of Virginia where he studied cultured endothelial cell adenosine metabolism. In 1988 he accepted a position as Research Scientist at the University of Florida in Gainesville. His studies there focused on cardiac actions of adenosine.

Toni L. Stanton, Ph.D., (1981), began her career as a nurse and then received a bachelor’s degree in zoology and a master’s degree in physiology before coming to Jefferson. She accepted a postdoctoral position at the Alfred I. DuPont Institute as a Research Assistant until 1982 and then as a Research Neuroscientist until 1986. She also served as an Associate Scientist at the School of Life and Health Sciences at the University of Delaware until 1985 and Associate Professor of Nursing at the College of Nursing. In 1986 she received the Excellence in Teaching Award at the University of Delaware. In 1987 she became Associate Professor of Anatomy and Physiology and Women’s Studies at California State University at Long Beach (Fig. 55). Her research is in the area of CNS mechanisms involved in the control of brain arousal level; physiological, biochemical and behavioral aspects of TRH action in mammalian CNS and melatonin action in the mammalian CNS. She has published 20 papers and 16 abstracts.

Theodore J. Taylor, Ph.D., (1981), received his master’s degree in toxicology from Jefferson in 1976. He was the state of North Carolina’s first government environmental toxicologist and a proponent of environmental protection (Fig. 56). In 1983 he confirmed that conversion of peat to methanol had the potential to produce methyl-
mercury, a highly neurotoxic chemical causally associated with birth defects. His findings stopped a private company from mining and processing peat in eastern North Carolina. In his position, he also undertook the task of risk assessment and risk communication related to exposure to toxic chemicals. He evaluated risks associated with hundreds of chemical contamination problems in North Carolina including leaking underground storage tanks, drinking water supplies contaminated with heavy metals, pesticides and organic chemicals, abandoned waste sites and municipal toxic landfills. Dr. Taylor also catalyzed the formation of the Air Toxics Panel of the State Academy of Sciences and provided valuable input for the panel's derivation of acceptable levels from approximately 100 previously unregulated toxic air pollutants. Dr. Taylor died in April of 1990 of a rare form of liver cancer.

Elise Ann Triano, Ph.D., (1983), completed her postdoctoral work as an Instructor in the Department of Neurosurgery at Jefferson. In September 1984, she accepted a position as Assistant Professor of Biology at Gettysburg College. In 1985 she became Assistant Professor of Biology at West Chester University where she was promoted to the rank of Associate Professor in 1990 (Fig. 57). She also served as Visiting Assistant Professor of Pharmacology at the Pennsylvania College of Optometry from 1986 to 1989. Dr. Triano has published nine articles. Her subsequent studies involved membrane abnormalities that cause predisposition to alcoholism.

Carol M. Ingerman Wojenski, Ph.D., (1981), served her postdoctoral studies at the Cardeza Foundation for Hematologic Research at Jefferson where she was also an Instructor in the Department of Pharmacology. In 1985 she was promoted to Assistant Professor. Dr. Wojenski has co-authored 37 articles and 15 book chapters.
and review articles. Her research, in collaboration with Paul K. Schick, M.D., was in the area of fatty acid uptake, synthesis and metabolism in guinea pig megakaryocytes at different stages of maturation, with emphasis on the effect of dietary fatty acids on megakaryocyte and platelet phospholipid composition and adenine nucleotide synthesis and development of dense bodies in megakaryocytes at different stages of maturation. In 1987, she was elected to the College of Graduate Studies Alumni Association Board of Directors where she later served as Treasurer.

Physiology Alumni

Sandra E. Burke, Ph.D., (1983), was the winner of the Alumni Research Award for the best doctoral dissertation (Fig. 58). She served a post-doctoral fellowship at the Robert Wood Johnson Cardiovascular Research Institute at the Deborah Heart and Lung Center. In 1984 she became a Senior Scientist at Warner-Lambert Company. While supervising three associate scientists, they conducted hemodynamic evaluation of cardiotoxic agents, the cardiovascular risk assessment of lead compounds and special studies in myocardial infarct models. In 1987 she was named Senior Research Pharmacologist at Abbott Laboratories where she has been responsible for all in vivo studies on thrombolytic agents. In addition, her staff has studied platelet function and myocardial infarct size after coronary artery occlusion and reperfusion. Dr. Burke has served as a lecturer on antithrombotic/thrombolytic agents at the University of Illinois at Rockford and on the Council on Thrombosis for the American Heart Association. She has published 25 papers and 19 abstracts.

Edward F. Smith, III, Ph.D., (1981), won the Alumni Research Award in 1981 and was a finalist in the Council of Graduate Schools University Microfilms International Award. Upon graduation, he was also awarded a Humboldt Research Fellowship of the Alexander von Humboldt Foundation in Bonn, West Germany, and stud-

Fig. 58. Sandra E. Burke, Ph.D. receives Alumni Research Award for best doctoral dissertation from Dean Saukkonen (1983).
ied at the Institute of Pharmacology at the University of Cologne, West Germany, until 1983. Upon his return to the United States, Dr. Smith became postdoctoral fellow at the Medical University of South Carolina in the Departments of Physiology and Pharmacology. In 1984 he became a Senior Scientist in Cardiopulmonary Research at Ciba-Geigy Pharmaceuticals where he was promoted to Senior Research Scientist in 1985. In 1986 he was appointed Senior Investigator in Cardiovascular Pharmacology at Smith, Kline and French Laboratories. He was promoted to Assistant Director of Cardiovascular Pharmacology in 1988. Since 1989 he has also served as a Lecturer in Medical Physiology at Jefferson and on the Board of Directors of the Graduate School Alumni Association. He has published 60 abstracts and 86 papers.

Chen-Tung Yen, Ph.D., (1982), was a Guest Researcher in the Department of Physiology at the University of North Carolina at Chapel Hill, studying intracellular staining of raphe-spinal neurons. He then took the position as Research Associate at Washington University School of Medicine in the Department of Neurosurgery. In 1983 he was appointed Visiting Associate Professor in the Department of Zoology at National Taiwan University, where he advanced to Professor in 1990. He was named an NIH Fogarty Fellow in 1988 and spent one year studying the spinothalamic input to the thalamus at the University of California, California College of Medicine in the Department of Anatomy and Neurobiology. Through his research, largely in the area of neurophysiology, he has published 16 papers and 19 abstracts.

Ira Mills, Ph.D., (1981), was a postdoctoral trainee at Brown University from 1981 to 1985 and then a postdoctoral fellow at Brigham and Women’s Hospital at Harvard Medical School. He was appointed Assistant Professor of Medicine at Rhode Island Hospital-Brown University in 1987, and later he became Associate Research Scientist at Yale University School of Medicine in the Division of Vascular Surgery. Through his research, most recently in the area of coronary artery vascular smooth muscle, he has published 18 papers and 15 abstracts.

1980
Adams, William J., Jr., M.S., Pathology
Cerwinka, Paul L., M.S., Clinical Microbiology
DiGiovanni Barnshaw, Margaret L., M.S., Clinical Microbiology
Faone-Harhay, Fiorina, M.S., Clinical Microbiology
Fischman, Gary J., M.S., Pathology
Gerber, Joseph C., III, Ph.D., Pharmacology
Gorsen, Robert M., M.S., Pharmacology
Haeinick, David H., Ph.D., Pharmacology
Hailperin, Marilyn C., M.S., Clinical Microbiology
Lamon, Kim D., Ph.D., Pharmacology
Lebman, Deborah A., M.S., Microbiology
Longacre, Stephen L., Ph.D., Pharmacology
Machuga, Stephen J., M.S., Clinical Microbiology
McGregor Stong, Anne, M.S., Microbiology
Metz, Jeffrey A., M.S., Pathology
Moyer, Robert A., M.S., Clinical Microbiology
Paynton, Barbara V., Ph.D., Anatomy
Pentella, Michael A., M.S., Clinical Microbiology
Provencher, Robert A., M.S., Clinical Microbiology
Rhoads, Rita L., M.S., Clinical Microbiology
Robison, Steven H., Ph.D., Pathology
Ruane, Mildred V., M.S., Clinical Microbiology
Shaffer, Joel E., Ph.D., Pharmacology
Siegl, Adelaide M., Ph.D., Pharmacology
Swanson, John W., Ph.D., Physiology
Waldman, Scott A., Ph.D., Anatomy
Watts, Linda L., M.S., Clinical Microbiology
Weidmann Landin, Cecilia, M.S., Clinical Microbiology

1981
Basquil, Bernadine, M.S., Clinical Microbiology
Buescher, Jerome G., Ph.D., Microbiology
Cooper, Keith R., M.S., Toxicology
Fauver, Patricia A., M.S., Clinical Microbiology
Heltzel, Joann M., Ph.D., Pharmacology
Ingerman Wojenski, Carol M., Ph.D., Pharmacology
Knudsen, Thomas B., Ph.D., Anatomy
Kohl, M. Pauline, M.S., Clinical Microbiology
LaVelle, James M., M.S., Toxicology
Levich, Judith P., Ph.D., Microbiology
Lorr, Nancy A., M.S., Toxicology
Marsili, Mark A., Ph.D., Microbiology
Master, Ronald N., M.S., Clinical Microbiology
McCarthy, William V., M.S., Clinical Microbiology
Palombo, Sandra S., M.S., Clinical Microbiology
Smith, Edward F., III, Ph.D., Physiology
Taylor, Theodore J., Ph.D., Pharmacology
Thomson, Richard B., Jr., Ph.D., Microbiology
Williams, David O., III, Ph.D., Physiology
Wright, Marguerite L., M.S., Clinical Microbiology

1982
Aharony, David, Ph.D., Pharmacology
Barsotti, Robert J., Ph.D., Physiology
Bashore, Marion M., M.S., Clinical Microbiology
Beckman Stanton, Toni L., Ph.D., Pharmacology
Bossard Hoffert, Margaret, M.S., Clinical Microbiology
Child, Jeffrey, M.S., Clinical Microbiology
Chisolm, Josephine, M.S., Clinical Microbiology
Croushore, Susan, M.S., Clinical Microbiology
Curtis, Mark T., Ph.D., Physiology
Dashow, Larry J., Ph.D., Anatomy
Eberly, Virginia S., M.S., Clinical Microbiology
Ebersole, Lonnie L., M.S., Clinical Microbiology
Goldschmidt, Joseph C., Jr., Ph.D., Microbiology
Kroft, Charlotte, M.S., Clinical Microbiology
McDonough, Pauline M., M.S., Clinical Microbiology
Mills, Ira, Ph.D., Physiology
Osbahr, Carol, M.S., Clinical Microbiology
Plummer Sawyer, Karen M., M.S., Clinical Microbiology
Sammett, David, Ph.D., Pharmacology
Shryock, John C., Ph.D., Pharmacology
Siegel, Robert L., Ph.D., Biochemistry
Sredni, Janet, Ph.D., Microbiology
Sternberg, Edmund, M.S., Biochemistry
Theis, Deborah S., M.S., Clinical Microbiology
Weiss, Stephen A., M.S., Pharmacology
Yen, Chen-Tung, Ph.D., Physiology

1983
Burke, Sandra E., Ph.D., Physiology
Chiger, Judith L., Ph.D., Pharmacology
Clark DeMeis, Anne F., M.S., Clinical Microbiology
DeTurck, Kathryn Hill, Ph.D., Pharmacology
Ellis, John S., Ph.D., Biochemistry
Fisher, Karen A., M.S., Clinical Microbiology
Goldman, Patricia R., M.S., Pharmacology
Ho, Wenshe, Ph.D., Anatomy
Ingenito, Gary O., Ph.D., Microbiology
Krieger, Jeffrey I., Ph.D., Biochemistry
Lawrie Esterline, Nancy J., M.S., Pharmacology
Leibowitz, Robert, M.S., Clinical Microbiology
Ling, Henry T., Ph.D., Microbiology
Post, Gloria B., Ph.D., Pharmacology
Renzi, Alfred A., Jr., M.S., Microbiology
Rushmore, Thomas H., Ph.D., Biochemistry
Triano, Elise A., Ph.D., Pharmacology

1984
Bell, Marilyn R., M.S., Clinical Microbiology
Boreas, Rosann, M.S., Clinical Microbiology
Brandt, Mary E., Ph.D., Clinical Microbiology
Fusco, Joanne Damiani, M.S., Clinical Microbiology
George-Weinstein, Mindy E., Ph.D., Anatomy
Gray, Mark S., Ph.D., Pathology
Havil, Andrew M., Ph.D., Physiology
LaRocco, Mark T., Ph.D., Microbiology
Moore, Jonni S., Ph.D., Microbiology
Per, Steven R., Ph.D., Biochemistry
Roth, David, Ph.D., Physiology
Shannahon, Barbara E., M.S., Clinical Microbiology
Simpson, Janell Broussard, M.S., Toxicology
St. John, Keith H., M.S., Clinical Microbiology
Tsay, Bee-Lin, Ph.D., Biochemistry
Vollberg, Thomas, Ph.D., Pathology
The College of Graduate Studies celebrated the 20th anniversary of its establishment and the 40th anniversary of graduate education at Jefferson on May 4, 1990, at its annual Alumni Day dinner. It was also the tenth anniversary of the Alumni Association. As part of the celebration, the College hosted a symposium, *Graduate Education and Research in the 1990's*, at which Anthony Demsey, Ph.D., associate director for referral and review in the NIH Division of Research Grants, and Jules B. LaPidus, Ph.D., president of the Council of Graduate Schools, were the featured speakers. At the Alumni Dinner later in the evening, the first-ever College of Graduate Studies Medals were awarded by Dean Jussi J. Saukkonen to Robert Baldridge, Ph.D., the College’s first dean, R. William Manthei, Ph.D., retired professor of pharmacology, and Andrew Ramsay, Ph.D., former chairman and emeritus professor of anatomy. Also, Lewis W. Bluemle, M.D., President of Thomas Jefferson University, was awarded Honorary Life Membership in the CGS Alumni Association for his “outstanding contributions and continuing support of graduate education at Thomas Jefferson University.”

Through an interdisciplinary program, the Department of Anatomy faculty took the leadership and was awarded both a pre- and post-doctoral training grant in developmental biology-teratology by the Child Health and Human Development section of the National Institutes of Health. This is the only grant of this type by the NIH and is now a degree-granting program. The first pre-doctoral student studying for the Ph.D. degree in Developmental Biology-Teratology started shortly before funding for the program began on October 1, 1986. The Department had the largest, best trained group of investigators in the country studying questions dealing with abnormal development, from pre-implantation biology to post-natal behavioral deficits and all areas in between.

On July 1, 1985, Dr. Maurer resigned as Chairman of the Department of Biochemistry and Dr. Robert C. Baldridge was appointed Acting Chairman. Dr. Baldridge had been appointed Professor of Biochemistry and Dean of the Graduate College in 1970, serving as Dean until 1981. Dr. Baldridge’s major research interest centered on amino acid metabolism, particularly in genetic disorders such as histidinemia. On July 22, 1985, Darwin J. Prockop, M.D., Ph.D. (Fig. 59) was appointed Chairman and also named Director of the newly formed Jefferson Institute of Molecular Medicine. Dr. Prockop’s major research centered on the metabolism of collagen and other constituents of connective tissue. The Institute’s research drew on the newly-developed technology of recombinant DNA (gene splicing) with a goal of eliminating genetic diseases or altering

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Fig. 59. Darwin J. Prockop, M.D., Ph.D., Chairman of Biochemistry and Molecular Biology, and Director of Jefferson’s Institute of Molecular Medicine (1986- ).
their course. In June of 1986, the Department sponsored a three-day conference, *Molecular Biology and Pathology of Matrix*, which attracted 176 of the most eminent scientists from around the world.

The Department of Pathology was renamed the Department of Pathology and Cell Biology when Emanuel Rubin, M.D. (Fig. 60), was named its Chairman in 1986, succeeding Dr. Lang. He is one of the world’s leading experts on alcohol-induced diseases. The change in name of the Department reflected Rubin’s belief that the boundaries between traditional pathology and biochemistry, cell physiology, and molecular pharmacology are disappearing—in the research laboratory at the moment but in routine practice in the near future. Dr. Rubin brought to Jefferson a staff of 54, including five pathologists, eight investigators with Ph.D.s, and more than $3.5 million per year in research grants.

In 1986 Dr. Bianchi resigned as Chairman of Pharmacology and remained as Professor to pursue his research interests more actively. Dr. Wolfgang H. Vogel, Professor of Pharmacology, then was named Acting Chairman of the Department. Dr. Vogel’s primary research and teaching interests have been in the areas of psycho- and neuropharmacology. Graduate training leading to the Ph.D. degree in pharmacology has been a major and continuous program of the Department since its official inception in 1949. The Department takes pride in its achievements in this respect. It is interesting to note that of the 343 Ph.D. degrees awarded at Jefferson commencements through 1990, there were 101 Ph.D.s in Pharmacology.

In 1985, the Department of Physiology received a five-year predoctoral training grant from the National Heart, Lung and Blood Institute to study cardiovascular regulation and performance. The funds supported three students each year. The Department continued its success in attracting quality international visitors and in the participation of staff members in international meetings and symposia, giving scientists all over the world exposure to the work being done at Jefferson. The Department was also active in forging joint ventures, both with outside institutions and other Jefferson departments. Within Jefferson, fruitful collaborations existed with the Department of Medicine (divisions of cardiology, pulmonary diseases, clinical pharmacology, and toxicology), Surgery, Anesthesia, Pathology, Radiology and Anatomy. Marion J. Siegman, Ph.D., professor of physiology, received the Burlington Northern Foundation Faculty Achievement Award for excellence in teaching in 1986 and Thomas Butler, Ph.D., professor of physiology, received the award in 1988.

Robert Grafstrom, Ph.D., was appointed Assistant Professor in the Department of Microbiology in 1985 to head the DNA laboratory and develop the area of molecular genetics. Other recent appointees included Richard Peluso, Ph.D., a virologist engaged with replication of the RNA genome of the vesicular stomatitis virus, and Timothy Block, Ph.D., who studied Marek’s Disease virus genes and the molecular details of the killing of cells by the Herpes virus. In 1987 Dr. Robert Korngold, a specialist in graft-versus-host disease problems, was appointed Associate Professor.

The master of science in nursing program was begun in 1987 in cooperation with the Department of Baccalaureate Nursing in Jefferson’s College of Allied Health Sciences. After a comprehensive assessment uncovered a critical need for more highly educated nurses in four areas—adult rehabilitation, pediatric rehabilitation, critical care/trauma and home health care—four tracks of study were designed. Each track is specifically geared toward implementing and evaluating intervention based on conceptual models, utilizing relevant theories and technologies, improving the

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Fig. 60. Emanuel Rubin, M.D., Chairman of Pathology and Cell Biology (1986- ).
delivery of health care, evaluating the changing roles and responsibilities of health care providers, and developing leaders who will ultimately influence health care policy and the health care system.

A master's degree program in occupational therapy was also begun in 1987 in conjunction with the College of Allied Health Sciences's Department of Occupational Therapy. The program was established in response to the profession's encouragement of therapists to have more advanced degrees. Students in the program may study in depth the problems they have identified in clinical practice, or gear their program toward occupational therapy research or management.

A unique program for so-called Gibbon scholars was initiated in 1985 in which students could enter directly into a combined M.D./Ph.D. program under the joint auspices of the Medical College and the College of Graduate Studies. The first year was spent in the College of Graduate Studies, and then in a total of six or seven years a goal in clinical and research work could be pursued. A somewhat similar course in which the first two years were spent in the Medical School and then followed in combined M.D./Ph.D. work had been in progress since 1970 and was renamed Dunglison in 1985. Gibbon and Dunglison Scholars were aided financially by stipends and fellowships. By 1990, twenty-five such students had participated in the combined programs.

**Anatomy Alumni**

**Charles B. Hathaway, Ph.D.,** (1990), after completing his studies in August of 1989, accepted a postdoctoral position at the University of North Carolina at Chapel Hill. There he studied the monoaminergic control of development in the tobacco hornworm. He later took a position as a Research Assistant at the Bowman Gray School of Medicine of Wake Forest University. His work, in the Department of Medicine/Endocrinology, involves reverse cholesterol transport.

**Pierette M. Shipman-Appasamy, Ph.D.,** (1987), studied in the interdepartmental Developmental Biology program. She did her postdoctoral work in the laboratory of Michael B. Prystowsky, M.D., Ph.D. in the Department of Pathology and Laboratory Medicine at the University of Pennsylvania where she studied the Regulation of T-Lymphocyte Proliferation and Differentiation. She became an Instructor at the Pittsburgh Cancer Institute/University of Pittsburgh, Department of Pathology. Her work was funded by the National Leukemia Association.

**Biochemistry and Molecular Biology Alumni**

**James W. Karaszkiewicz, Ph.D.,** (1990), took a postdoctoral position as a Biotechnology Fellow in the Laboratory of Cellular Oncology at the National Cancer Institute of the National Institutes of Health (Fig. 61). As a student, he was active in the Graduate Student Association, serving as its President in 1985.

**Fredda London, Ph.D.,** (1987), won the 1987 Alumni Research Award (Fig. 62). Dr. London earned a bachelor's degree in English and a master's degree in comparative literature and taught English composition before even considering science as a career. Following her graduation from Jefferson, she accepted a postdoctoral position at the University of Pennsylvania Connective Tissue Research Institute where her research was in the cardio-vascular area. In 1989 she became Research Assistant Professor at the Temple University School of Medicine, with research in the area of coagulation.

**Mary Hinzman Whitman, Ph.D.,** (1986), received a postdoctoral appointment as a research associate professor at the University of Maryland School of Medicine. In 1987 she was awarded a

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**Fig. 61. James W. Karaszkiewicz, Ph.D., cellular biologist, National Cancer Institute.**
fellowship as a Visiting Scientist at the National Cancer Institute of the National Institutes of Health where she studied the role of fecapentaenes in colon carcinogenesis. In 1988 she accepted the position of manager, Regulatory Submissions at Wyeth-Ayerst Research in Clinical Research and Development. In 1990 she also assumed a part-time faculty position in the department of chemistry at Villanova University. A former Rhodes Scholarship finalist, Dr. Whitman is a member of the Sigma Delta Epsilon Graduate Women in Science honor society. In 1990 she served the College of Graduate Studies on its Distinguished Alumnus Award Committee.

Microbiology and Immunology Alumni

Troy L. Couch, Ph.D., (1988), became a medical microbiologist with particular expertise in general and molecular bacteriology. His research expertise has been in the areas of anaerobic bacteriology, cell culture and fermentation microbiology. Dr. Couch began a postdoctoral research fellowship in 1987 in which he studied prokaryotic molecular biology at Lederle Laboratories. Following his fellowship, he remained at Lederle as a research microbiologist in the Sexually Transmitted Disease Group, Bacterial Vaccine Research and Development Department, of which he became Group Leader in 1990.

Thomas Day, M.S., (1989), was the student recipient of the Loretta Rocco Memorial Award, which is presented in recognition of academic achievement. Mr. Day was appointed Supervisor of Microbiology at Lankenau Hospital in Philadelphia in 1990.

Susan B. Dillon, Ph.D., (1985), received a postdoctoral position in the Department of Medicine, Division of Rheumatology and Immunology at Duke University where her research focused on signal transduction mechanisms in leukocytes. In 1987 she was appointed Research Associate and Instructor in the Department of Neurology at Temple University. There her research centered on human T-cell responses in multiple sclerosis. In 1988 she moved to Smith Kline Beecham Pharmaceuticals as Associate Senior Investigator in the Department of Immunology and was promoted to Senior Investigator in 1989. Dr. Dillon has co-authored 16 articles and ten abstracts.

Judy Earl, M.S., (1985), worked as Laboratory Supervisor at the Memorial Hospital of Burlington County in New Jersey and Adjunct Professor at Burlington County College School of Science, Mathematics and Technology until 1989. She was then appointed Supervisor of Microbiology, Virology and Serology at Pennsylvania Hospital in Philadelphia while also serving as Microbiology Lecturer at Jefferson’s College of Allied Health Sciences. She became a member of the American Society of Microbiology and was certified by the American Society of Clinical Pathology.

Tessa Rappaport Freeman, M.S., (1987), had received her bachelor of science degree in medical technology from Jefferson’s College of Allied Health Sciences. She worked as a medical technologist until 1988 when she was named Education Coordinator at Northeastern Hospital in Philadelphia. In 1990 she became Supervisor of the Microbiology Laboratory at St. Agnes Medical Center in Philadelphia. From 1987 she also
served as a parttime instructor in microbiology at Manor Junior College in Jenkintown. She became a member of the Eastern Pennsylvania Branch of the American Society of Microbiology, the American Society of Clinical Pathologists and the Association of Practitioners in Infection Control.

**Gerald E. Hancock, Ph.D.,** (1986), won the Alumni Research Award for his doctoral dissertation. His work also won him first place at the Sigma Xi Research Day. He accepted a position as a postdoctoral fellow in the Laboratory of Cellular Physiology and Immunology at Rockefeller University in New York. There he investigated cellular interactions in cell-mediated immunity in humans.

**Jennifer A. Lata, Ph.D.,** (1988), served as postdoctoral fellow in the Department of Medicine at Jefferson in the laboratory of J. Bruce Smith, M.D., where she studied reproductive immunology and rheumatology. She received the Finkelstein Memorial Award in May 1990 for excellence in rheumatological postdoctoral research. She subsequently was appointed Director of Immunology at Greenwich Pharmaceuticals in Fort Washington, Pennsylvania.

**Robert D. Miller, Ph.D.,** (1987), went on to a postdoctoral position in the Division of Molecular Biology of the Medical Biology Institute in LaJolla, California. Through his graduate and postgraduate work, he co-authored nine papers and six abstracts. His work also earned him a Juvenile Diabetes Foundation International Fellowship.

**Elaine Starr, M.S.,** (1990), became a Clinical Scientist at Wyeth-Ayerst Research in the Rhesus Rotavirus Vaccine Department. Prior to this position she was Chief Supervisor in the Clinical Microbiology Laboratory at Temple University Hospital.

*Pathology and Cell Biology Alumni*

**LiLi Hsiao, Ph.D.,** (1989), was the recipient of the Alumni Research Award for her dissertation entitled, *Modification of Host Cell Membrane Lipids During the Intracythrocytic Maturation of Human Malarial Parasite P. falciparum* (Fig. 63). She accepted a postdoctoral position in Jefferson's Department of Dermatology doing basic research on keloid, an acquired cutaneous lesion with a strong genetic predisposition with blacks and orientals, and neurofibromia, a genetic nerve disorder. In 1990 she enrolled in Jefferson Medical College while continuing her research.

**Marcela Jensen, Ph.D.,** (1990), received her master’s degree in pathology from Jefferson and the same year received her Ph.D. in Chemistry from Commenius University in Bratislava, Czechoslovakia. She has served as Assistant Professor in the Department of Pediatrics at Jefferson and Director of the Monoclonal Antibody Laboratory in the Division of Developmental Biology at the Alfred I. DuPont Institute in Wilmington, Delaware. She had begun at Jefferson in 1969 as a research assistant in the Department of Pediatrics. Her areas of expertise are monoclonal antibody technique, fluorescent antibody technique, histochemistry, protein chemistry, teratology, immunology of fetal development and embryonic nutrition. She has co-authored more than 50 articles in these areas.
Pharmacology Alumni

Ragunath Appasamy, M.D., Ph.D. (1987), received his M.D. from the Bangalore Medical College of India and then came to Jefferson to study for his Ph.D. After graduation, he was an intern in internal medicine at Jefferson and later at Cooper Hospital/University Medical Center in Camden, NJ. He then went to Presbyterian Hospital at the University of Pittsburgh for a Gastroenterology Fellowship.

Thomas N. Ferraro, Ph.D., (1985), went on to a postdoctoral position in the Department of Neurology at Jefferson as a Research Associate. He became an Instructor and then Assistant Professor in the Department of Neurology. He has served as a course coordinator and lecturer for advanced neurosciences, pharmacology, toxicology, and neuroanatomy. He has also been on the Neurosciences Teaching Committee and the Gibbons Scholar Program Committee. He was a Research Consultant to the Department of Veteran’s Affairs in Coatesville, Pennsylvania. He subsequently advanced to Assistant Professor of Psychiatry and Human Behavior and Pharmacology at Jefferson. Through his research he has co-authored 29 articles, five book chapters and 46 abstracts.

Peter A. Glascott, Jr., Ph.D., (1990), took a postdoctoral position in the laboratory of John Farber, M.D., in the Jefferson Department of Pathology (Fig. 64). There he studied the mechanisms of cell toxicity and the metabolism of Vitamin E and Vitamin C during oxidative stress.

Joanne M. Miller, Ph.D., (1990), pursued her postdoctoral education as a research fellow in neurology at the Massachusetts General Hospital in Boston (Fig. 65).

Robert B. Raffa, Ph.D., M.S., (1986), earned his Ph.D. in pharmacology at Temple University and then came to Jefferson for his master’s degree in toxicology. He co-authored one book, Principles in General Pharmacology, 46 manuscripts, and 31 abstracts. In 1990 he accepted a position of Senior Scientist, CNS Research at R.W. Johnson Pharmaceutical Research Institute. Dr. Raffa is the founder and co-editor of Pharmacology Letters (Life Sciences) and the winner of National Research Service Awards in 1983 and 1984.

Physiology Alumni

Mark Brezinski, M.D., Ph.D., (1988), a Dun­glison Scholar, studied under the direction of Alan M. Lefer, Ph.D. at Jefferson. Dr. Brezinski was the 1988 winner of the Alumni Research Award for the most outstanding doctoral dissertation. Having earned his M.D. and Ph.D. simultaneously at Jefferson, he was enrolled in a Research Residency program at Brigham and Women’s Hospital to work jointly in his residency in internal medicine and his postdoctoral work in the division of hematology at Harvard Medical School. Through his research at Jefferson and in his postdoctoral work, Dr. Brezinski has co-authored 15 papers, six abstracts and one book chapter.

Karen A. Foster, Ph.D., (1987), accepted a postdoctoral position at the Weis Center for Research at the Geisinger Clinic. There she worked on the identification, expression and function of

Fig. 64. Peter A. Glascott, Jr., Ph.D., pursued postdoctoral studies in Jefferson’s Department of Pathology.
cardiac G proteins. Through her work, as a research technician, a student at Jefferson and in post-graduate research, she has co-authored 11 publications and nine abstracts.

**Donna J. Price, Ph.D., (1988),** while a student, co-authored seven papers in the area of thyroid iodination with her advisor, Joseph Sherwin, Ph.D. In 1990, she became Assistant Professor of Biology at St. Thomas University in the Department of Mathematics and Science.

**Maria Ann Rupnick, Ph.D., (1988), M.D.,** at the completion of her graduate work enrolled in Jefferson Medical College and began work toward the M.D. degree which she subsequently finished at Harvard Medical School. She then was accepted into the Research Residency Program in internal medicine at Brigham and Women's Hospital, having been awarded an Andrus Research Fellowship in 1990. She also received the Jefferson Medical College Clinical Research Award from the Department of Surgery, Transplantation Division in 1990 following her work with that group. Through her research at Jefferson and postdoctoral work, Dr. Rupnick has co-authored nine publications and seven abstracts.

**Gregory L. Stahl, Ph.D., (1988),** became a Research Fellow of the American Heart Association at the University of California at Davis, Division of Cardiovascular Medicine. He has co-authored 23 articles in the areas of mechanisms of cardiovascular reflexes originating from visceral organs, the role of humoral mediators in myocardial ischemia and circulatory shock, and the interrelationship among humoral mediators including platelet activating factor, the complement system and eicosanoids in the regulation of coronary circulation during physiologic and pathophysiologic conditions. With his advisor, Allan M. Lefer, Ph.D., Dr. Stahl also co-authored a book chapter in 1989.

**Nursing Alumni**

**Barbara E. Drake, M.S.N., (1989),** was in the first class of graduates of the Master of Science in Nursing program. She has been a Rehabilitation Clinical Specialist at Methodist Hospital in Philadelphia, providing care to patients with ostomies, pressure sores, diabetes, and rehabilitation needs. She has also engaged in nursing research and in service as a clinical preceptor for students.

**Melissa Ann Krauss, M.S.N., (1989),** has been...
employed as a Clinical Nurse Specialist at the A.I. DuPont Institute in Wilmington, Delaware in the area of pediatric rehabilitation nursing.

Diane J. Lavallee, M.S.N., (1989), specialized in rehabilitation nursing and has been serving as clinical nurse specialist and nursing practice coordinator for The Rehabilitation Center of the Royal Ottawa Health Care Group. She received the Jeanne Ann Clery Memorial Fellowship while a student at Jefferson. In November 1990, she was appointed to the Ontario Ministry of Health Advisory Committee on Rehabilitation.

Nancy Tomaselli, M.S.N., (1988), became an Enterostomal Therapy Clinical Nurse Specialist at Jefferson Hospital. She has authored two articles in the *Journal of Enterostomal Therapy* and 14 patient education publications. Ms. Tomaselli has also made numerous presentations in the areas of Ostomy and Wound Care and Patient Education.

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### ALUMNI

**1985**  
- Barrueco, Jose, Ph.D., Pharmacology  
- Blum, Lee M., Ph.D., Pharmacology  
- Bower, Eric, Ph.D., Pharmacology  
- Dillon, Susan, Ph.D., Microbiology  
- Earl, Judy, M.S., Clinical Microbiology  
- Ferraro, Thomas N., Ph.D., Pharmacology  
- Hann, Linda J., M.S., Clinical Microbiology  
- Hoffmann, Barbara E., M.S., Clinical Microbiology  
- Huss, Harry, M.S., Clinical Microbiology  
- Lander, David W., M.S., Clinical Microbiology  
- Munley, Ingrid A., M.S., Clinical Microbiology  
- Perkowsk, Sandra Z., Ph.D., Physiology  
- Pisano, M. Michele, Ph.D., Anatomy  
- Rieders, Michael F., Ph.D., Pharmacology  
- Rothermel, Annette, Ph.D., Microbiology  
- Tellone, Carmella, Ph.D., Anatomy  
- Van Wagoner, David R., Ph.D., Pharmacology  
- Weidner, Mary Ann, M.S., Clinical Microbiology  
- Wu, Jiunn-Jong, M.S., Clinical Microbiology  
- Yander, Gail, M.S., Toxicology  

**1986**  
- Blatt, Gene J., Ph.D., Anatomy  
- Chabot, Marie C., Ph.D., Anatomy  
- Conahan, Shawn T., Ph.D., Pharmacology  
- Glick, David L., Ph.D., Microbiology  
- Hancock, Gerald E., Ph.D., Microbiology  
- Hinzman, Mary J., Ph.D., Biochemistry  
- Korn, Robert L., Ph.D., Physiology  
- Kyle, Mariene, Ph.D., Pharmacology  
- Raffa, Robert, M.S., Toxicology  
- Reichwein, Barbara A., M.S., Clinical Microbiology  
- Shinkarow, Jane, M.S., Clinical Microbiology  
- Smith, Martin J., M.S., Pharmacology  
- Warren, Thomas, M.S., Physiology

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**1987**  
- Badiavas, Evangelos V., Ph.D., Pharmacology  
- Foster, Karen, A., Ph.D., Physiology  
- Fritch, Dean F., Ph.D., Pharmacology  
- Gould, Susan S., M.S., Clinical Microbiology  
- Grim, Diane, M.S., Clinical Microbiology  
- Jones, Jolynda, Ph.D., Anatomy  
- Lagunowich, Laura P., Ph.D., Pathology  
- London, Freda S., Ph.D., Biochemistry  
- Rappaport, Tessa, M.S., Clinical Microbiology  
- Sparrow, Marta Graffy, Ph.D., Pharmacology

**1988**  
- Appasamy, Ragunath, Ph.D., Pharmacology  
- Brezinski, Mark E., Ph.D., Physiology  
- Couch, Troy L., Ph.D., Microbiology  
- Crochelt, Robert F., Ph.D., Pharmacology  
- Dansky, Linda A., M.S., Anatomy  
- Jaweed, M. Mazher, Ph.D., Pharmacology  
- Lata, Jennifer A., Ph.D., Microbiology  
- Mandelbaum, Isabel L., M.S., Environmental Toxicology  
- Messler, Carol J., M.S., Clinical Microbiology  
- Miller, Robert D., Ph.D., Microbiology  
- Mirakhur, Beloo, Ph.D. Microbiology  
- Pellicore, Linda S., Ph.D., Pharmacology  
- Pimental, Christine M., M.S., Clinical Microbiology  
- Price, Donna J., Ph.D., Physiology  
- Rupnick, Maria A., Ph.D., Physiology  
- Satischandran, Vilas, M.S., Clinical Microbiology  
- Shipman Appasamy, Pierette M., Ph.D., Anatomy  
- Stahl, Gregory L., Ph.D., Physiology  
- Yen, Yun, Ph.D., Pathology

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1985-90 967
1989
Beach, Jeffrey, M.S., Nursing Masters Program
Bower, David Ph.D., Pharmacology
Cardonick, Cynthia, M.S., Nursing Masters Program
Day, Thomas E., M.S., Microbiology
Dowzicky, Michael J., M.S., Microbiology
Drake, Barbara E., M.S., Nursing Masters Program
Durkee, Karen M., M.S., Nursing Masters Program
Gawel-Thompson, Kathleen J., Ph.D., Anatomy
Glavey Dowhy, Catherine M., M.S., Nursing Masters Program
Grubb, John D., Ph.D., Biochemistry
Hagen, Edna F., M.S., Nursing Masters Program
Hoshowsky, Victoria M., M.S., Nursing Masters Program
Hsiao, Li Li, Ph.D., Pathology
Jefferies, Lynn S., M.S., Nursing Masters Program
Jin, Shan, Ph.D., Pathology
Karaszkiewicz, James, Ph.D., Biochemistry
Mitchell, Kathleen Luba, M.S., Nursing Masters Program
Newman, Deborah A., M.S., Nursing Masters Program
Orso, Jeanmarie, M.S., Nursing Masters Program
Peck, Nancy L., M.S., Nursing Masters Program
Picarello, Nancy J., M.S., Nursing Masters Program
Pittius Innes, Christine, M.S., Nursing Masters Program
Scerrato, Sharon, M.S., Nursing Masters Program
Speicher, Lisa, Ph.D., Physiology
Tomaselli, Nancy Hass, M.S., Nursing Masters Program
Weikel, Catherine M., M.S., Nursing Masters Program
Yerardi Woodford, Diane, M.S., Nursing Masters Program

1990
Bobbic, Mary E., M.S.N., Nursing Masters Program
Cerasoli, Frank, Ph.D., Physiology
Considine, Robert V., Ph.D., Physiology
Davis, Annette L., M.S.O.T, Occupational Therapy
Dorando-Unkle, Margaret M., M.S.O.T, Occupational Therapy
Fabiszewski, Rosemary R., M.S.N., Nursing Masters Program
Frazer, Glenn D., Ph.D., Pharmacology
Glascott, Peter A., Ph.D., Pharmacology
Halal-Szoke, Ann Marie, M.S.N., Nursing Masters Program
Hathaway, Charles B., Ph.D., Anatomy
Herman, Frances M., M.S.N., Nursing Masters Program
Hershock, Diane M., Ph.D., Pharmacology
Hines, Judith A., M.S.N., Nursing Masters Program
Jensen, Marcela. M.S., Pathology & Cell Biology
Khetarpal, Vinod, M.S., Envir. Medicine & Toxicology
Krauss, Melissa A., M.S.N., Nursing Masters Program
Lavallee, Diane J., M.S.N., Nursing Masters Program
Learn, Brian A., Ph.D., Microbiology & Immunology
Liu, Donald C., Ph.D., Pharmacology
Miller, Joanne M., Ph.D., Pharmacology
O'Rourke, Brian Ph.D., Physiology
Osborne, John A., Ph.D., Physiology
Pollock, John V., Ph.D., Physiology
Ricsdorph-Ostrow, Wendi, M.S.N., Nursing Masters Program
Roark, Eileen F., Ph.D., Anatomy
Rooney, John E., Ph.D., Biochemistry & Molecular Biology
Satre, Michael A., Ph.D., Anatomy
Smyine, Richard J., Ph.D., Anatomy
Smith, Donna P., M.S.N., Nursing Masters Program
Starr, Elaine G., M.S., Clinical Microbiology
Vause-Earland Tracey L., M.S.O.T, Occupational Therapy
Wang, Yu Mei, M.S., Biochemistry & Molecular Biology
Zhao Mijin, M.S., Biochemistry & Molecular Biology
~ A ~
Abaidoo, Kodwo J., 1972
Adams, Kathleen O’Looney, 1979
Adams, William J., Jr., 1980
Adolphe, Allen B., 1974
Aharony, David, 1982
Ambromovage, Anne M., 1968
Ambrus, Clara M., 1955
Ambrus, Julian L., 1954
Andrews, Larry S., 1976
Appasamy, Ragunath, 1988
Appert, Hubert E., 1959
Armenti, Vincent T., 1979
Aschner, Thomas, 1966
Assimakopoulos, Panayotis A., 1971
Axman, Dennis J., 1976

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Badiavas, Evangelos V., 1987
Baker, Walter W., 1953
Balla, Pearl E., 1978
Balotin, Nahum M., 1956
Barrueco, Jose, 1985
Barsotti, Robert J., 1982
Bartell, Pasquale, 1951
Bashore, Marion M., 1982
Basquil, Bernadine, 1981
Bass, Steven W., 1970
Beach, Jeffrey, 1989
Becker, Roger J., 1977
Beckman, Tony, 1982
Belje, Miroslaw A., 1972
Bell, Marilyn R., 1984
Bender, A. Douglas, 1962
Bentsen, Christopher, 1979
Bergquist, Joanne R., 1976
Berrettini, Wade H., 1979
Bills, Thomas K., 1976
Bjornesen, Jean Young, 1979
Blank, Frederick C., 1974
Blank, Michael S., 1976
Blatt, Gene J., 1986
Blum, Lee M., 1985
Blume, Wendy M., 1977
Bobbie, Mary E., 1990
Bondi, James M., 1978
Boreas, Rosann, 1984
Borgelt, Bruce E., 1973
Borzelleca, Joseph F., 1956

~ C ~
Cady, William, 1967
Callahan, Hugh J., 1970
Callahan, Rosemary M., 1979
Cancro, Jamie A., 1978
Cardonick, Cynthia, 1989
Carlson, P. H., 1977
Carney, Walter P., 1978
Castingnano, Dominic E., 1972
Cenedella, Richard J., 1966
Cerasoli, Frank 1990
Cerwinka, Paul L., 1980
Ch'en, Philip C., 1963
Ch'ih, John Juwei, 1968
Chabot, Marie C., 1986
Chan, Astria C., 1961
Chiger, Judith L., 1983
Child, Jeffrey, 1982
Chisolm, Josephine, 1982
Christian, Mildred S., 1979
Churchill, Judy R., 1979
Cinti, Dominick L., 1968
Clark DeMeis, Anne F., 1983
Clark, Allen M., 1964
Cohen, Burton R., 1951
Cohen, Irving, 1973
Cohn, Richard D., 1974
Colasante, Georgia, 1978
Cole, Mercedes T., 1977
Conahan, Shawn T., 1986
Conklin, Richard H., 1970
Connor, Christine Carson, 1978
Considine, Robert V., 1990
Cooper, Keith R., 1981
Coppola, John A., 1963
Couch, Troy L., 1988

~ Cowardin, Barbara Mitchell, 1978
Cramer, Eva Brown, 1969
Crochet, Robert F., 1988
Croushore, Susan, 1982
Curtis, Mark T., 1982
Cymerman, Allen, 1968

~ D ~
D'Agostino, Maria A., 1974
Daley, Daniel J., Jr., 1966
Danksy, Linda A., 1988
Dashow, Larry J., 1982
Davar, Phiroza S., 1954
Davis, Annette L., 1990
Day, Thomas E., 1989
DeBianco, Domenic A., 1956
DeMartinis, Frederick D., 1959
DeMesquita, Susan, 1977
DeSanctis, Armand N., 1951
Dettmer, Cornelia M., 1969
DeTurck, Kathryn Hill, 1983
Dhamabutra, Narathorn, 1965
Dickerson, Kenneth H., 1963
Dickman, Michael D., 1973
DiGiovanni Barnshaw, Margaret L., 1980
Dillon, Susan, 1988
Do, Nhaun Thi, 1965
Dobelbower, Ralph, 1975
Dombkoski, Frank P., 1974
Dorando-Unke, Margaret M., 1990
Dougherty, Thomas J., 1978
Dowzicky, Michael J., 1989
Drake, Barbara E., 1989
Drew, William L., 1966
Drezner, Allen D., 1968
Durkee, Karen M., 1989

~ E ~
Earl, Judy, 1985
Earle, Roberta, 1979
East, James M., 1977
Eberly, Virginia S., 1982
Ebersole, Lonnie L., 1982
Egan, Marianne L., 1969
Elkins, Marsha E., 1974
Ellis, John S., 1983
Erickson, Lance, 1974

~ F ~
Fabiszewski, Rosemary R., 1990
Faone-Harhay, Fiorina, 1980
Faricelli, Jack A., 1977
Fasciana, Michael, 1951
Fauver, Patricia A., 1981
Feik, Diane Blechman, 1974
Fernandes, Prabhavathi B., 1975
Ferraro, Thomas N., 1985
Fischman, Gary J., 1980
Fisher, Karen A., 1983
Fitzpatrick, Jean Hirsekorn, 1979
Foley, James E., Jr., 1976
Fonte, Donald A., 1968
Forbes, Barbara F., 1971
Forbes, William I., III, 1972
Foster, Karen A., 1987
Fouts, David W., 1972
Fow, Mark I., 1977
Francis, Elaine Z., 1978
Frankel, Mark S., 1978
Franklin, Samuel G., 1973
Frazer, Glenn D., 1990
Freedburg, Paul S., 1972
Fritsch, Dean F., 1987
Fromm, Eli, 1967
Fugo, Richard J., 1975
Fusco, Joanne Damiani, 1984
Gabriel, Karl L., 1964
Gadarowski, John J., 1974
Gans, Joseph H., 1958
Gawel-Thompson, Kathleen J., 1989
Genovesi, Eugene V., 1979
George, Wendy S., 1976
George-Weinstein, Mindy E., 1984
Gerber, Joseph C., III, 1980
Ghosh, Gopi M., 1963
Gilion, Barbara E., 1975
Glaeser, Bruce S., 1978
Glascott, Peter A., 1990
Glasofer, Eric D., 1975
Glaudel, Ursula A., 1975
Glavey Dowhy, Catherine M., 1989
Glick, David L., 1986
Gluckman, Melvyn C., 1959
Gold, Alan, 1967
Goldberg, Albert, 1959
Goldman, Patricia R., 1983
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