

CURRICULUM VITAE

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ACADEMIC TRAINING

1967-1971 St. Joseph's University, Philadelphia, Pennsylvania. **B.S.** in Chemistry.
1971-1975 Texas A&M University - College Station, Texas. Received **Ph.D.** in Bio-Organic Chemistry (see below for minor).
1972-1974 Baylor College of Medicine - Houston, Texas. Department of Microbiology. Graduate Minor in Medical Microbiology and Biochemistry.

EXPERIENCE

TEACHING

9/71 - 6/72 Texas A&M University - Graduate Teaching Assistant, Dept. Chemistry.
10/77 - 6/82 The Ohio State University - **Assistant Professor**, Depts. Radiology and Pharmacology.
7/82 - 6/85 The Ohio State University - **Associate Professor**, Depts. Radiology and Pharmacology.
7/85 - present The Ohio State University - **Professor**, Depts. Radiology and Pharmacology.

RESEARCH

6/72 - 6/74 Texas A&M University - Graduate Research Assistant, Dept. Chemistry.
6/74 - 3/75 Texas A&M University - Robert A. Welsh, Predoctoral Fellow.
3/75 - 9/77 Brookhaven National Lab - Research Associate, Dept. Biology.
10/77 - 6/82 The Ohio State University - **Assistant Professor**, Depts. Radiology and Pharmacology.
7/82 - 6/85 The Ohio State University - **Associate Professor**, Dept. Radiology and Pharmacology.
7/85 - present The Ohio State University - **Professor**, Depts. Radiology and Pharmacology.

ADMINISTRATIVE

10/77 - 8/80 The Ohio State University - Group Leader, Molecular Biology Division of the Chemical and Environmental Research Group.
9/80 - present The Ohio State University - Director, Chemical Biomedical Environmental Research Group.
9/80 - 8/82 The Ohio State University - Acting Director, Division of Radiation Biology, Department of Radiology.
9/80 - present The Ohio State University - Director, Laboratory of Human Cellular and Molecular Research.
9/82 - present The Ohio State University - Director, Division of Radiobiology, Department of Radiology.
9/91 - present The Ohio State University - Faculty Designated Deputy Director, The Center for Molecular Environmental Health: Toxicology, Epidemiology, and Pathology.

ARTICLES

D'Ambrosio, S.M., Gibson-D'Ambrosio, R.E., Brady, T., Oberyszyn, A. and Robertson, F.M. (2000) Mechanisms of nitric oxide induced cytotoxicity in normal human hepatocytes. *Environ. Mol. Mutagen* (submitted).

D'Ambrosio, S.M., Gibson-D'Ambrosio, R.E., Milo, G.E., Casto, B., Kelloff, G.J. and Steele, V.E. (2000) Differential response of normal, premalignant, and malignant human oral epithelial cells to growth inhibition by chemopreventive agents. *AntiCancer Research* (in press).

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Gibson-D'Ambrosio, R.E., Brady, T. and **D'Ambrosio, S.M.** (1998) The Regenerative Capacity of Adult Human Hepatocytes: Clonal Expansion of Hepatocytes Producing Albumin in Culture. *Hepatology Research*, **11**:188-200.

Wani, G. and **D'Ambrosio, S.M.** (1997) Expression of the O⁶-Alkylguanine-DNA Alkyltransferase Gene is Elevated in Human Breast Tumor Cells. *Anticancer Research*, **17**:4311-4316.

Morse, M.A., Lu, J., Gopalakrishnan, R., Peterson, L.A., Wani, G., D'Ambrosio, S.M., and Stoner, G.D. (1997) Mechanism of enhancement of esophageal tumorigenesis by 6-phenylhexyl isothiocyanate. *Cancer Letters* **112(1)**:119-125.

D'Ambrosio, S.M., Oberyszyn, T.M., Brady, T., Ross, M.S. and Robertson, F.M. (1997) Sensitivity of Human Hepatocytes in Culture to Reactive Nitrogen Intermediates. *Biochem. Biophys. Res. Comm.*, **233**:545-549.

Tong, H., Park, J.H., Brady, T., Weghorst, C.M. and **D'Ambrosio, S.M.** (1997) Molecular Characterization of Mutations in the *hprt* gene of Normal Human Skin Keratinocytes Treated with N-ethyl-N-Nitrosourea: Influence of ATG. *Environmental and Molecular Mutagenesis*, **29**:168-179.

Wani, G., Noyes, I., Milo, G.E. and **D'Ambrosio, S.M.** (1997) Expression of Molecular Biomarkers in Primary Breast Tumors Implanted into a Surrogate Host: Increased Levels of Cyclins Correlate with Tumor Progression. *Molecular Medicine*, **3**:273-283.

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D'Ambrosio, S.M. (1994) Evaluation of the Genotoxicity Data on Caffeine. *Regulatory Toxicology and Pharmacology*, **19**, 243-281.

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- D'Ambrosio, S.M.**, Gibson-D'Ambrosio, R.E. and Trewyn, R.W. (1991) An Enzyme Linked Immunosorbent Assay (ELISA) for the Detection and Quantitation of the Tumor Marker 1-Methylinosine in Human Urine. *Clinica Chimica Acta*, **199**, 119-128.
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- Mori, T., Wani, A.A., **D'Ambrosio, S.M.**, Chang, C-C., and Trosko, J.E. (1989) *In Situ* Pyrimidine Dimer Determination by Laser Cytometry. *Photochem. Photobiol.*, **49**, 523-526.
- Ogut, S.E, **D'Ambrosio, S.M.**, Samuel, M., and Sutherland, B.M. (1989) DNA Photoreactivating Enzyme from Human Tissues. *Photochem. Photobiol., B. Biol.*, **4**, 47-56.
- Wani, A.A. and **D'Ambrosio, S.M.** (1987) Immunological Quantitation of O⁴-Ethylthymidine in Alkylated DNA: Repair of Minor Miscoding Base in Human Cells. *Carcinogenesis*, **8**, 1137-1144.
- Wani, A.A. Nasir, K.A., and **D'Ambrosio, S.M.** (1987) Quantitation of Thymidine Dimers by Immunoslot Blot Following Sublethal UV-Irradiation of Human Cells. *Photochem. Photobiol.*, **46**, 477-482.
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- Gibson-D'Ambrosio, R.E., Leong, Y. and **D'Ambrosio, S.M.** (1983) DNA Repair Following Ultraviolet Induction and N-Ethyl-N-Nitrosourea Treatment of Cells Cultured from Human Fetal Brain, Intestine, Kidney, Liver and Skin. Cancer Research, **43**, 5846-5850.
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D'Ambrosio, S.M., Whetstone, J.E., Slazinski, L. and Lowney, E. (1981) Photorepair of Pyrimidine Dimers in Human Skin *In Vivo*. Photochem. Photobiol., **34**, 461-464.

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Mhaskar, D.N., Chang, M.J.W., Hart, R.W. and **D'Ambrosio, S.M.** (1981) Analysis of Alkylated Sites at N-3 and N-7 Positions of Purines as an Indicator for Chemical Carcinogens. Cancer Research, **41**, 223-229.

D'Ambrosio, S.M. and Setlow, R.B. (1980) Modulation by Caffeine of Enhanced Postreplication Repair in Mammalian Cells Treated with N-Acetoxy-acetylaminofluorene. J. Environ. Path. Tox., **4**, 181-192.

Daniel, F.B., Cazer, F.D., **D'Ambrosio, S.M.**, Hart, R.W., Kim, W. and Witiak, D.T. (1979) Comparative Metabolism and DNA Binding of 7,12-Dimethylbenz(a)-anthracene and its Weakly Carcinogenic 5-Fluoro Analog. Cancer Lett., **6**, 263-272.

D'Ambrosio, S.M., Daniel, F.B., Hart, R.W., Cazer, F.D. and Witiak, D.T. (1979) DNA Repair in Syrian Hamster Embryo Cells Treated with 7,12-Dimethylbenz(a)-anthracene and its Weakly Carcinogenic 5-Fluoro Analog. Cancer Lett., **6**, 255-261.

Hart, R.W., **D'Ambrosio, S.M.**, Ng, K. and Modak, S. (1978) Longevity, Stability and DNA Repair. Mechanisms of Aging and Development, **9**, 203-223.

D'Ambrosio, S.M., Aebersold, P. and Setlow, R.B. (1978) Cell Cycle Independent Ultraviolet Light Enhanced Postreplication Repair in Synchronized Chinese Hamster Cells. Biophys. J., **22**, 71-78.

Chang, C.C., **D'Ambrosio, S.M.**, Schultz, R., Setlow, R.B. and Trosko, J.E. (1978) Modification of UV-induced Mutation Frequencies in Chinese Hamster Cells by Split-dose, Cycloheximide and Caffeine Treatments. Mutat. Res., **52**, 231-245.

D'Ambrosio, S.M. and Setlow, R.B. (1978) Defective and Enhanced Postreplication Repair in Classical and Variant Xeroderma Pigmentosum Cells Treated with N-Acetoxy-Acetylaminofluorene. Cancer Research, **38**, 1147-1153.

D'Ambrosio, S.M. and Setlow, R.B. (1976) Enhancement of Postreplication Repair in Chinese Hamster Cells. Proc. Nat. Acad. Sci. USA, **73**, 2396-2400.

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BOOK CHAPTERS

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ABSTRACTS AND OTHER ARTICLES

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- D'Ambrosio, S.M.**, Oravec, C.T. and New, D. (1983) Metabolism, Binding to DNA and DNA Repair Following 7,12-Dimethylbenz(a)anthracene Treatment of Human Lymphocytes. In Vitro, **19**, 239.
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- Mhaskar, D.N., **D'Ambrosio, S.M.** and Hart, R.W. (1980) Depurination in Alkylated DNA. Fed. Proc., **39**, 1981.
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- Hart, R.W., **D'Ambrosio, S.M.**, Ng, K. and Modak, S.P. (1979) Longevity, Stability and DNA Repair. Geriatrics Digest.
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- Sheikh, Y.M., Inbasekaran, M.N., Daniel, F.B., Cazer, F.D., **D'Ambrosio, S.M.**, Hart, R.W. and Witiak, D.T. (1979) A study of the 7,12-Dimethylbenz(a)anthracene (DMBA) Bay Region Involvement in Carcinogenesis and Mutagenesis. Abstract of the 4th International Symposium on Polynuclear Aromatic Hydrocarbons, p. 79.
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D'Ambrosio, S.M. and Setlow, R.B. (1978) UV-Endonuclease Sensitive Sites In daughter DNA from UV-Irradiated Asynchronous and Synchronous Chinese Hamster Cells. J. of Supermolecular Structure, **8**, Supplement 2, 75.

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Setlow, R.B. and **D'Ambrosio, S.M.** (1978) Size of Putative Gaps in Postreplication Repair. Biophys. J., **24**, 94a.

D'Ambrosio, S.M. (1977) Do Mammalian Cells have "Error-Prone" Repair? Invited speaker to the symposium on: Error-Prone Synthesis in Procaryotes and Eucaryotes. Program and Abstracts of the 8th Annual Meeting of the Environmental Mutagen Society, Colorado Springs, Colorado, p. 11.

D'Ambrosio, S.M. and Setlow, R.B. (1977) N-Acetoxy-Acetylaminofluorene Enhances the Rate of Postreplication Repair in Xeroderma Pigmentosum Variant Cells. Fed. Proc., **36**, 848.

D'Ambrosio, S.M. (1976) Induction of postreplication repair of DNA from Chinese Hamster Cells Treated with N-acetoxy-acetylaminofluorene. Fed. Proc., **35**, 1490.

D'Ambrosio, S.M., Glover, G.I. and Jensen, R.A. (1974) Affinity Labeling of the Tyrosine/Phenylalanine Transport System in Bacillus subtilis. Fed. Proc., **33**, 1394.

D'Ambrosio, S.M., Glover, G.I. and Jensen, R.A. (1974) Selective Loss of Amino Acid Utilization in Bacillus subtilis Following Affinity Labeling in Transport Sites. Abstract Annual Meeting American Society Microbiology, Chicago, Illinois.

D'Ambrosio, S.M., Glover, G.I. and Jensen, R.A. (1973) The Specificity of the Tyrosine-Phenylalanine Transport System in Bacillus subtilis. Abstract Annual Meeting American Society Microbiology, Miami, Florida.

D'Ambrosio, S.M., Glover, G.I. and Jensen, R.A. (1973) L-Tyrosine and L-Phenylalanine Transport in Bacillus subtilis. Gulf Coast Molecular Biology Conference, Corpus Christi, Texas.

INVITED LECTURES OR SEMINARS

- Affinity Labeling of Amino Acid Transport Systems. Department of Biochemistry, Texas A&M University, College Station, Texas, May, 1974.
- The L-Tyrosin/L-Phenylalanine Transport System in Bacillus subtilis. Department of Molecular Biophysics, University Texas at Houston, Houston, Texas, March, 1975.
- Postreplication Repair in Mammalian Cells. National Center for Toxicological Research, Little Rock, Arkansas, August, 1976.
- Error-prone Postreplication Repair. Department of Genetics, University of California at Davis, Davis, California, June, 1976.
- Do Mammalian Cells Have Error-Prone Postreplication Repair? Department of Physiology, University of Illinois at Urbana, Urbana, Illinois, February, 1977.
- DNA Repair after Treatment of Mammalian Cell with N-Acetoxy-Acetylamino-fluorene. Dept. Biochemistry, University of Florida, Gainesville, Florida, February, 1977.
- Postreplication Repair in Excision Repair and Defective Xeroderma Pigmentosum Cells. Frederick Cancer Research Center, Frederick, Maryland, April, 1977.
- DNA Repair in Mammalian Cells. Miles Laboratory, Elkhart, Indiana, May, 1977.
- Error-prone Postreplication Repair. Department of Human Development, Michigan State University, East Lansing, Michigan, May, 1977.
- Postreplication Repair in Mammalian Cells. Department of Microbiology, Pennsylvania State University, State College, Pennsylvania, October 1977.
- Enhanced Postreplication Repair, Effect of Caffeine. Department of Medical Microbiology, University of Cincinnati, Cincinnati, Ohio, December, 1977.
- Error-prone and Error-free Postreplication Repair. Department of Zoology, University of Wyoming, Laramie, Wyoming, February, 1978.
- Environmental Carcinogenesis, DNA Damage and DNA Repair. National Center for Toxicological Research, Jefferson, Arkansas, 1979.
- DNA Damage and Repair. University of Texas, Health Science Center, San Antonio, Texas, 1979.
- New Directions in DNA Damage and Repair. Department of Pathology, The Medical College of Ohio, Toledo, Ohio, February, 1980.
- Development of an Assay for Detection of DNA Damage in Mammary Gland Cells. Breast Cancer Task Force, The National Cancer Institute, Bethesda, Maryland, June, 1980.
- Mechanisms of Mammary Gland Carcinogenesis. Department of Biophysics, Roswell Park Memorial Institute, November, 1980.
- The Effects of Sunlight on Human Skin DNA. Department of Biophysics, Roswell Park Memorial Institute, November, 1980.
- Molecular and Dermatological Effects of Sunlight on Human Skin. Department of Dermatology, Case Western Reserve, December, 1980.
- Current Theories in Cancer and its Prevention. Central Ohio Histology Society, Battelle Memorial Inst., May, 1981.
- Initiation and Fixation of DNA Damage in Mammary Gland Carcinogenesis. Department of Radiology, Case Western Reserve, June, 1981.
- Organ and Cell Specific Carcinogenesis. Department of Pharmacology and Toxicology, Michigan State University, September, 1981.
- Organotrophic Differences in Metabolism, DNA Repair, DNA Replication in Human Fetal Cells. USEPA Health Effects Research Symposium, USEPA Research Triangle Park, North Carolina, December, 1981.
- Genotoxicity During Human Fetal Development. University of Southern California, Comprehensive Cancer Center, Los Angeles, California, June, 1982.
- Initiation and Fixation of Genetic Damage: Understanding How to Modulate Carcinogenesis. American Chemical Society 14th Central Regional Meeting, Midland, Missouri, June, 1982.
- Mechanism of DNA Damage and Repair in Human Lymphocytes. Adria Laboratories, Dublin, Ohio, Sept., 1982.

Mechanisms of Aging. Ohio Federation for Aging Research, Columbus, Ohio, October, 1982.

A Human In Vitro Organ-specific Assay for Testing Genotoxic Agents. New York Academy of Science Symposium on Toxicology Testing, New York, New York, October 6, 1982.

Metabolism, Binding and DNA Repair of 7,12-Dimethylbenz(a)anthracene During a Critical Period of Human Fetal Development. 7th International Symposium on Polynuclear Aromatic Hydrocarbons, Columbus, Ohio, October, 1982.

Metabolism, Binding and DNA Repair of 7,12-Dimethylbenzyl(a)anthracene in Human Lymphocytes in Cell Culture. Annual Meetings of The Tissue Culture Association, Orlando, Florida, June, 1983.

DNA Repair in Cells Derived from Various Human Organs. University of Florida, Department of Microbiology, Gainesville, Florida, June, 1983.

- The Capacity of Human Lymphocytes to Metabolize DMBA and Repair DMBA Induced DNA Damage. 8th Annual International Symposium on Polynuclear Aromatic Hydrocarbons, Columbus, Ohio, October, 1983.
- New Approaches Toward Studying Human Cellular Toxicology. Oregon State University, Department of Biochemistry and The Toxicology Center, Corvallis, Oregon, January, 1984.
- Mechanisms of DNA Repair in Human Cell Cultures. Ohio Valley Lake-Erie Association of Cancer Centers, Columbus, Ohio, April, 1984.
- DNA Damage and Repair as a Function of Human Organ and Cell Type. Brookhaven National Laboratories, Medical Department, Upton, New York, September, 1984.
- New Approaches toward Quantitating Genotoxic Damage in Humans Exposed to Environmental and Occupational Toxins. National Institute of Occupational Health and Safety, Cincinnati, Ohio, August, 1985.
- DNA Repair of O⁶-Alkylation in Humans. Brookhaven National Laboratories Internal Conference "DNA Repair and Human Cells", Upton, New York, October, 1989.
- Repair of Alkylation Damage in Human Cells. Wright State University, Department of Biochemistry, Dayton, Ohio, March, 1990.
- Cultured Human Cells in Toxicology. Midwest Tissue Culture Society, Chicago, Illinois, October, 1989.
- Biological and Chemical Carcinogenesis. Third Workshop IST-OSU, Genoa, Italy, August 27-28, 1990.
- Cell Type Specific Expression of DNA Repair in Human Tissues. University of Cincinnati, Department of Environmental Health, Cincinnati, Ohio, November 18, 1992.

Lectures at Ohio State University (not as part of formal course)

- Postreplication Repair in Mammalian Cells: Error-free or Error-prone. Department of Pharmacology, 1977.
- Postreplication Repair Mechanism. Department of Radiology, 1978 - 1984.
- Biological Effects of Radiation. Department of Radiology, 1978 - 1984.
- Combination Chemo-Radiation Therapy. Department of Radiology, 1978 - 1983.
- Antimicrobial Agents. Department of Pharmacology, 1978 - 1984.
- Antimicrobial Agents. Independent Study Program for Medical Students, 1978, 1979, 1980.
- DNA Repair in Mammalian System. Department of Radiology, Dept. of Pharmacology, 1979 - 1984.
- In Vitro Repair of DMBA Induced DNA Damage. Department of Radiology, 1978.
- Antibody Detection of Carcinogen Damaged DNA. Department of Radiology, 1978.
- Pathological Effects of Radiation Exposure. Department of Medicine, 1979, 1980.
- DNA Repair Mechanisms. Veterinary Medicine, 1979, 1980.
- Antineoplastic Agents. Department of Pharmacology, 1978 - 1984.
- Narcotic Agonists and Antagonists. Department of Pharmacology, 1978 - 1980.
- Non-narcotic Analgesics. Department of Pharmacology, 1978 - 1980.
- Error-prone DNA Repair. Department of Veterinary Pathobiology, 1981.
- Current Approaches in Genetic Toxicology. Department Medical Microbiology, 1981.
- Drug Induced Mutagenesis and Teratology, 1981.
- Cellular Senescence and The Theories of Aging. OSU Summer Institute on Aging, 1982.
- Mechanisms of Cellular Senescence of the Skin, Center for Continuing Medical Education "Geriatrics, Skin Care and Skin Disease, Pressure Sores-Prevention and Therapy", 1983.
- DNA Damage and Repair. Department of Physiological Chemistry, 1983.
- DNA Repair in Human Organs and Cells. ICSABER Society, 1984.
- DNA Repair in Humans: Organ and Cell-Specific Repair Responses. Basic Science Program Directors Seminar, OSUCCC, May 1993.

**PROFESSIONAL INVITED NATIONAL & INTERNATIONAL APPOINTMENTS
TO SYMPOSIA OR REVIEW COMMITTEES**

COMMITTEES, CONSULTANTSHIPS

National

Ad Hoc Reviewer NIH, NCI, 1990-present.

US Army Grant Review (AIBS) 1996, 1997.

Invited Member of the USEPA Review Panel on Health Effects, Research Triangle Park, NC, August 1995.

Consultant, Clonetics, Inc., 1994-1996.

Invited Member of the NIEHS Science Review Study Section, 1989-1993.

Invited Speaker at the Midwest Tissue Culture Society, 1989.

Consultant, Jarrow-Lloyd Pharmaceuticals, Inc., 1989-1992.

Invited Member National Institute Environmental Health Science Center Grants ad hoc study section, 1988.

Invited Member of the USEPA Environmental Review Panel for the Distinguishing Scientist Program, 1987, 1988.

Invited Member of the USEPA Workshop on Health Research, Washington, D.C., July 17&18, 1986.

Reviewer, NIEHS ad hoc study section, SCOR Program, 1986.

Member of The American Federation of Aging Research, Research Committee, National, 1985 - 1988.

Chairman of The American Federation of Aging Research, Research Committee, Ohio Affiliate, 1985 - 1987.

Invited Member of The American Federation of Aging Research Grants Review Panel, New York, New York, 1984-1987.

Chairman, Workshop on Mechanisms of Carcinogenesis in Human Tissues and Cells, Ohio Valley Lake Erie Association of Cancer Centers, Columbus, Ohio, April 28, 1984.

Associate Chairman of The American Federation of Aging Research, Research Committee, Ohio Affiliate, 1983 - 1985.

Invited Member of the USEPA Workshop on Health Research, Chicago, Illinois, April 9 & 10, 1983.

Consultant, American Cyanamid Co., 1983.

Consultant, Eli Lilly, Inc., 1982 & 1983.

Invited Member of USEPA Workshop on Health Research, Salt Lake City, Utah, July 21-23, 1982.

Invited Member of The American Federation of Aging Research, Ohio Affiliate, Columbus, Ohio, 1982-1990.

Chairman, Session 3B "Approach to Testing" Environmental Health Research Symposium, Research Triangle Park, North Carolina, December 2, 1981.

Invited Member of the USEPA External Grants Program Review Panel, 1980-1985, 1988, 1989, 1991, 1992.

Invited Member of the USEPA Cooperative Grants Review Panel, 1980-1984.

Invited Participant in the NIEHS National Workshop on Toxicology Training Program (co-authored Curricula in Genetic Toxicology), 1980.

Invited NCI-Site Visit Reviewer to Children's Hospital, Philadelphia, Pennsylvania, ("Cancer Treatment Program for N.C.I.-D.C.T."), June, 1980.

Invited USEPA-site visit reviewer to NW Ohio Medical College, Akron, Ohio, Health Effects Research Program in Carcinogenesis and Toxicology, Sept., 1980.

Chairman of the DNA Repair Session of the 8th Annual Meeting of the American Society for Photobiology, 1979.

Invited Reviewer for The United States Department of Energy Graduate Traineeship Program, 1978.

International

Invited Participant Third Workshop IST - OSU on "Biological and Chemical Carcinogenesis," Genoa, Italy, August 27-28, 1990.

Co-Organizer and Session Chairman Brookhaven National Laboratory Symposium on "DNA Damage and Repair in Human Tissues", 1988-1989.

Participant in Nature's "The Molecular Biology of Cancer", Boston, Massachusetts, September 10-12, 1984.

Invited Participant in The International Symposium on Aging and Cancer, Washington, D.C. Jointly sponsored by the National Institute for Aging and National Cancer Institute, September 1980.

Participant in the 4th, 5th, 7th and 8th International Symposium on Polynuclear Aromatic Hydrocarbon, Columbus, Ohio, 1978-1983.

The Ohio State University

Participant in the Cold Spring Harbor's course on "Molecular Cloning of Neural Genes," Cold Spring Harbor, NY, August 1987.

Participant of the Comprehensive Cancer Center Core Grant Site Visit by NIH, 1985, 1989, 1990, 1994.

Co-Organized 6th Annual Pfizer Pharmaceuticals Lecture, Robert Weinberg, invited speaker, Feb. 22, 1984.

Committee Member of the Comprehensive Cancer Center, ACS Starter Research Grant Review Committee. 1982, 1984, 1985, 1986.

Participant of the Comprehensive Cancer Center Construction Grant Site Visit by NIH, 1980, 1990.

Awards, Professional Societies

Member, American Society for Cell Biology, 1987-present (Elected).

Department of Radiology Award for Excellence in Teaching, 1987.

Who's Who Directory of Professionals and Resources in Cancer, 1984.

Member, American Association for Cancer Research, 1983-present (Elected).

Member, Society of Toxicology, 1983-present (Elected).

Who's Who in Frontiers of Science and Technology, 1982 (Elected).

American Men and Women in Science, 1982 (Elected).

Member, American Society for Pharmacology and Experimental Therapeutics, 1981-1987 (Elected).

Herbert Freiberg Award in Pharmacology Research, 1980, 1982 (Elected).

Member, N.Y. Academy of Sciences, 1979-present (Elected).

Member, American Society for Photobiology, 1979-1994 (Open).

Member, American Association for the Advancement of Science, 1977-present (Open).

Member, Biophysical Society, 1977-1981 (Open).

Robert A. Welsh Fellowship, 1973-1975 (Competitive).

Phi Lambda Epsilon National Honor Society, 1972 (Elected).

Member, American Society of Microbiology, 1971-1976 (Open).

Member, American Chemical Society, 1968-1982 (Open).

Pennsylvania State Scholarship, 1967-1971 (Competitive).

Editorial Boards

Reviewer, Biochemistry, 1990
Reviewer, Chem. Biol. Interact., 1984
Reviewer, Science, 1984
Reviewer, Carcinogenesis, 1982-present
Reviewer, Radiation Research, 1981
Reviewer, J. Biological Chemistry, 1981, 1983
Reviewer, Proc. Nat. Acad. Sci. USA, 1980
Reviewer, Photochem. Photobiol., 1979-1994
Reviewer, Biophys. J., 1979
Reviewer, Cancer Research, 1978-present

OSU

Chair, Department of Radiology, Appointments, Promotion and Tenure Advisory Committee, 1993-present.
Member, Department of Pharmacology, Appointments, Promotion and Tenure Advisory Committee, 1993.
Member, College of Medicine, Research Committee, 1994-present.
Member, Ad Hoc Committee for Center in Molecular and Environmental Health, 1991-1992.
Member, Office of Research Principal Investigator Advisor Committee, 1990-1993.
Member, Comprehensive Cancer Center, Scientific Board of Directors, 1989-present.
Member, Ad Hoc Committee for Toxicology Graduate Program, 1989-1995.
Member, College of Medicine, Appointments, Promotion and Tenure Advisory Committee, 1986-1990; 1994-1996.
Co-Chair, College of Medicine, Appointments, Promotion and Tenure Advisory Committee, 1996-present.
Member, College of Medicine, Molecular Biology Program Committee, 1986-1988.
Member, College of Medicine, Research Committee for Extra and Intramural Funding, 1984.
Member, College of Medicine, Scholars Program, 1983-1985.
Member, Selection Committee for Outstanding Junior and Senior Research Scholar, 1983-1985.
Member, Pharmacology and Toxicology Research Institute Scientific Board of Directors, 1982-1985.
Chair, Department of Radiology, Graduate Committee, 1982-1992.
Member, Pharmacology and Toxicology Research Institute Steering Committee, 1981-1982.
Member, Research Committee (Radiology), 1980-1985.
Member, College of Medicine Individualized Study Program, 1979-1980.
Coordinator, Visiting Professor Lecture Series (Pharmacology), 1979-1980.
Member, The Department of Pharmacology, Graduate Committee, 1978-1984.

TEACHING**COURSES TAUGHT AT OSU COLLEGE OF MEDICINE**1. Primary Responsibility

Course	Title	Number of Students	Year	Effort
Pharmacology 600	General Pharm.	28	79	Co-Director, Team
Pharmacology 609	Molecular Pharm.	7	80	Director
Pharmacology 609	Molecular Pharm.	11	81	Director
Pharmacology 609	Molecular Pharm.	19	84	Director
Pharmacology 609	Molecular Pharm.	4	86	Director
Pharmacology 894	Group Studies in Pharm.	7	79	Director
Pharm Visiting Prof Seminar Series		30	79	Director
Pharm Inter-Univ Pharm Sem Series		30	79	Director
Radiology 609	Molecular Pharm.	11	81	Director, Team, 30%
Radiology 680	Radiation Biology	21	81	Director, Team, 25%
Radiology 680	Radiation Biology	12	82	Director, Team, 30%
Radiology 680	Radiation Biology	3	83	Director, Team, 50%
Radiology 680	Radiation Biology	21	84	Director, Team, 50%
Radiology 680	Radiation Biology	11	85	Director, Team, 50%
Radiology 680	Radiation Biology	6	86	Director, Team, 50%
Radiology 793	Independent Studies	3	84	Director
Radiology 793	Independent Studies	3	85	Director
Radiology 793	Independent Studies	2	86	Director
Pharmacology 999	Research	1	94	

2. Supporting Role

Radiology 680	Radiat. Biol.	12	78	Team
Radiology 680	Radiat. Biol.	8	79	Team
Radiology 680	Radiat. Biol.	9	80	Team
Radiology 680	Radiat. Biol.	5	87	Team
Radiology 680	Radiat. Biol.	4	88	Team
Radiology 680	Radiat. Biol.	4	89	Team
Radiology 680	Radiat. Biol.	12	90	Team
Radiology 680	Radiat. Biol.	15	91	Team
Radiology 680	Radiat. Biol.	25	92	Team
Radiology 680	Radiat. Biol.	15	93	Team
Radiology 680	Radiat. Biol.	10	94	Team
Radiology 680	Radiat. Biol.	12	95	Team
Radiology 680	Radiat. Biol.	16	96	Team
Radiology 680	Radiat. Biol.	14	97	Team
Radiology 680	Radiat. Biol.	13	98	Team
Radiology 680	Radiat. Biol.	15	99	Team
Radiology 680	Radiat. Biol.	12	00	Team
Radiology 850	Seminar Rad. Biol.	7	82	Team
Radiology 850	Seminar Rad. Biol.	8	83	Team

Course	Title	Number of Students	Year	Effort
Pharmacology 600	Gen. Pharm.	20	78	Team
Pharmacology 600	Gen. Pharm.	33	80	Team
Pharmacology 600	Gen. Pharm.	54	81	Team
Pharmacology 600	Gen. Pharm.	47	82	Team
Pharmacology 600	Gen. Pharm.	45	83	Team
Pharmacology 600	Gen. Pharm.	35	84	Team
Pharmacology 600	Gen. Pharm.	35	85	Team
Pharmacology 700	Pharm. Med II	14	78	Team
Pharmacology 700	Pharm. Med II	12	79	Team
Pharmacology 700	Pharm. Med II	5	80	Team
Pharmacology 700	Pharm. Med II	10	81	Team
Pharmacology 700	Pharm. Med II	11	82	Team
Pharmacology 700	Pharm. Med II	8	84	Team
Pharmacology 700	Pharm. Med II	5	85	Team
Pharmacology 700	Pharm. Med II	6	86	Team
Pharmacology 700	Pharm. Med II	3	87	Team
Pharmacology 700	Pharm. Med II	2	88	Team
Pharmacology 700	Pharm. Med II	2	89	Team
Pharmacology 700	Pharm. Med II	3	90	Team
Pharmacology 700	Pharm. Med II	8	94	Team
Pharmacology 700	Pharm. Med II	2	94	Team
Pharmacology 700	Pharm. Med II	5	95	Team
Pharmacology 701	Pharm.	8	78	Team
Pharmacology 701	Pharm.	10	79	Team
Pharmacology 701	Pharm.	7	80	Team
Pharmacology 701	Pharm.	8	81	Team
Pharmacology 701	Pharm.	7	82	Team
Pharmacology 701	Pharm.	8	84	Team
Pharmacology 701	Pharm.	4	86	Team
Pharmacology 702	Pract. of Pharm.	5	78	Team
Pharmacology 702	Pract. of Pharm.	4	79	Team
Pharmacology 702	Pract. of Pharm.	6	80	Team
Pharmacology 702	Pract. of Pharm.	5	81	Team
Pharmacology 702	Pract. of Pharm.	4	83	Team
Pharmacology 702	Pract. of Pharm.	4	84	Team
Pharmacology 702	Pract. of Pharm.	4	85	Team
Pharmacology 702	Pract. of Pharm.	2	86	Team
Pharmacology 702	Pract. of Pharm.	2	87	Team
Pharmacology 702	Pract. of Pharm.	2	89	Team
Pharmacology 702	Pract. of Pharm.	3	90	Team

Course	Title	Number of Students	Year	Effort
Pharmacology 723	Pharm. related to anesthesia	20	78	Team
Pharmacology 723	Pharm. related to anesthesia	20	79	Team
Pharmacology 723	Pharm. related to anesthesia	15	80	Team
Pharmacology 723	Pharm. related to anesthesia	10	81	Team
Pharmacology 723	Pharm. related to anesthesia	12	82	Team
Pharmacology 723	Pharm. related to anesthesia	11	83	Team
Pharmacology 723	Pharm. related to anesthesia	15	84	Team
Pharmacology 723	Pharm. related to anesthesia	22	85	Team
Pharmacology 723	Pharm. related to anesthesia	2	86	Team
Pharmacology 793	Individual Studies	1	78	Team
Pharmacology 793	Individual Studies	4	79	Team
Pharmacology 793	Individual Studies	8	80	Team
Pharmacology 793	Individual Studies	8	81	Team
Pharmacology 793	Individual Studies	8	82	Team
Pharmacology 793	Individual Studies	7	83	Team
Pharmacology 793	Individual Studies	7	84	Team
Pharmacology 793	Individual Studies	5	85	Team
Pharmacology 793	Individual Studies	2	86	Team
Pharmacology 793	Individual Studies	1	91	Team
Pharmacology 850	Seminar	20	78	Team
Pharmacology 850	Seminar	20	79	Team
Pharmacology 850	Seminar	20	81	Team
Pharmacology 850	Seminar	20	82	Team
Pharmacology 850	Seminar	10	84	Team
Pharmacology 999	Research	8	80	Team
Pharmacology 999	Research	12	81	Team
Pharmacology 999	Research	12	82	Team
Pharmacology 999	Research	12	83	Team
Pharmacology 999	Research	12	84	Team
Pharmacology 999	Research	3	85	Team
Pharmacology 999	Research	2	86	Team
Pharmacology Phase III		135	78	Team
Pharmacology Phase III		135	81	Team
Pharmacology Phase III		210	82	Team
Pharmacology Phase III		190	84	Team
Pharmacology Med Students	Cancer Chemotherapy	185	85	Team
Pharmacology Med Students	Cancer Chemotherapy	185	86	Team
Pharmacology Med Students	Cancer Chemotherapy	185	87	Team
Pharmacology Med Students	Cancer Chemotherapy	163	88	Team
Pharmacology Med Students	Cancer Chemotherapy	150	89	Team
Pharmacology Med Students	Cancer Chemotherapy	150	90	Team
Pharmacology Med Students	Cancer Chemotherapy	150	91	Team
Pharmacology Med Students	Cancer Chemotherapy	150	92	Team
Pharmacology Med Students	Cancer Chemotherapy	150	93	Team
Pharmacology Med Students	Cancer Chemotherapy	150	Sp94	Team
Pharmacology Med Students	Cancer Chemotherapy	150	Au94	Team
Pharmacology Med Students	Cancer Chemotherapy	150	Au95	Team
Course	Title	Number of Students	Year	Effort
Pharmacology Med Students	Toxicology	150	Sp94	Team

Pharmacology Med Students	Toxicology	150	Au94	Team
Pharmacology Med Students	Toxicology	150	95	Team
Pharmacy 740	Toxicology I	11	91	Team
School of Public Health 740	Princ. of Toxicology	24	99	Team
School of Public Health 740	Princ. of Toxicology	24	00	Team
Pharmacy 893	Princ. of Toxicology	15	91	Team
Pharmacy 893	Princ. of Toxicology	15	92	Team
Pharmacy 893	Princ. of Toxicology	15	93	Team
Pharmacy 893	Princ. of Toxicology	15	94	Team
Pharmacy 893	Princ. of Toxicology	15	95	Team
Independent Study Program		20	78	Team
Independent Study Program		15	79	Team
Independent Study Program		15	80	Team
Medicine 850.1	Neurology Seminar	26	80	Team
PCHEM 827	Biochem. Mech. of Carcin.	15	83	Team
PCHEM 827	Biochem. Mech. of Carcin.	12	85	Team
PCHEM 827	Biochem. Mech. of Carcin.	16	88	Team
PCHEM 827	Biochem. Mech. of Carcin.	14	90	Team
Med Biochem 827	Biochem. Mech. of Carcin.	35	92	Team
Med Biochem 827	Biochem. Mech. of Carcin.	15	94	Team
Med Biochem 827	Biochem. Mech. of Carcin.	22	96	Team
Med Biochem 827	Biochem. Mech. of Carcin.	22	98	Team
Med Biochem/Med Mciro 827	Biochem. Mech. of Carcin.	22	00	Team
VPath 640	Fundamentals of Oncology	21	84	Team
VPath 640	Fundamentals of Oncology	18	87	Team
VPath 640	Fundamentals of Oncology	18	89	Team
VPath 640	Fundamentals of Oncology	18	93	Team
VPath 640	Fundamentals of Oncology	18	94	Team
VPath 640	Fundamentals of Oncology	18	95	Team
VPath 640	Fundamentals of Oncology	11	96	Team
VPath 640	Fundamentals of Oncology	12	97	Team
VPath 640	Fundamentals of Oncology	14	98	Team
VPath 640	Fundamentals of Oncology	12	99	Team
VPath 640	Fundamentals of Oncology	12	00	Team

DEVELOPMENT OF NEW COURSES

1. **Pharmacology 609/Radiology 609**

During the 1978-1979 Academic year, I developed a new course titled "Molecular Pharmacology". This course was designated as Pharmacology 894 during the Spring 1979 Quarter. Eight students were enrolled. Due to its success as indicated by the positive student response, the course has been permanently designated as Pharmacology 609 and is taught in alternate year Spring Quarters.

2. **Inter Pharmacology Seminar Series**

A seminar series was developed to bring together the faculty and students in the Departments of Pharmacology in the schools of Medicine and College of Pharmacy. This series is designed to combine the interests of these two departments located with two different schools. It meets once a quarter during the Academic Year.

3. **Curriculum**

Directed development of a curriculum for a Master of Science program in radiation biology - 1982.

As part of the Ad Hoc Committee for Toxicology Graduate Program, formulated the graduate toxicology curriculum for M.S. and Ph.D. program - 1990.

STUDENTS

Undergraduate Primary Advisory Role

1977-1978

Jackie O'Keefe - Summer Quarter

1978-1979

James Whetstone - All Quarters

Jackie O'Keefe - Winter Quarter

Ruth E. Gibson - Winter Quarter

Kelly Nelson - Winter Quarter, 3 Credit Hours Pharmacology 793

Scott Rose - Winter, Spring Quarters, 3 Credit Hours Pharmacology 793

1979-1980

Keith Lamb - All Quarters, 3 Credit Hours Pharmacology 793

Kelly Nelson - Fall Quarter, 3 Credit Hours Pharmacology 793

James Whetstone - Summer

1980-1981

John Sambrook - All Quarters

Keith Lamb - All Quarters

James Whetstone - Summer Quarter

Patty Hehemann - All Quarters

Amy Miller - All Quarters

Calvin Reynolds - Fall, Winter, Spring Quarters

1981-1982

John Sambrook - All Quarters

James Whetstone - Summer Quarter

Patty Hehemann - All Quarters

Calvin Reynolds - All Quarters

Tim Workman - Summer Quarter

Amy Miller - Spring, Summer Quarters

1982-1983

John Sambrook - All Quarters

James Whetstone - Summer Quarter

Edward Lowney - Summer Quarter

Calvin Reynolds - All Quarters

Tim Workman - Summer Quarter

Amy Miller - Spring, Summer Quarters

1983-1984

David Colborn - All Quarters

Christine Nedreski - All Quarters

Wai-Ling Hew - All Quarters

Brenda Page - Fall, Winter Quarters

1984-1985

Christine Nedreski - All Quarters

Wai-Ling Hew - All Quarters

Victor Cantu - All Quarters

Joan Wherley - All Quarters
Tushar Patel - Spring, Summer Quarters
1985-1986
Tushar Patel - All Quarters
Marci Tabacchi - Summer Quarter
1986-1987
Marci Tabacchi - All Quarters
Steven Turner - Fall Quarter
Viktor Krebs - Summer Quarter
1987-1988
Viktor Krebs - All Quarters
Steve Gross - Spring and Summer Quarters
Jack Gaspari - Summer Quarter
1988-1989
Steve Gross - All Quarters
Michelle Keckley - Summer Quarter
1989-1990
Michelle Keckley - Summer Quarter
1990-1991
Rita Thomas - Fall Quarter
Michelle Martin - All Quarters
Michael Flais - All Quarters
Michelle Keckley - Summer Quarter
1991-1992
Michelle Martin - Fall, Winter, & Spring Quarters
Michael Flais - All Quarters
Muriel Liberto, OSBP Rotation, April 1992
1992-1993
Michelle Martin - Fall, Winter & Spring Quarters
Michael Flais - All Quarters
Phu Pham - All Quarters
1993-1994
Phu Pham - Autumn, Winter Quarters
Matthew Matell - Autumn, Winter, Spring Quarters
Lori Hughes - All Quarters
Elena Che - Winter, Spring Quarters
David Foulkes - Winter, Spring Quarters
1994-1995
David Foulkes - All Quarters
Lori Hughes - All Quarters
Catherine Cansino - Summer Quarter

1995-1996
Lori Hughes - Autumn Quarter
Catherine Cansino - All Quarters
David Foulkes - All Quarters
Simone Pecoraro - All Quarters
1996-1997
Catherine Cansino - Autumn & Winter Quarters
David Foulkes - Autumn & Winter Quarters
Simone Pecoraro - Autumn & Winter Quarters
1997-1998
Michael Merritt - All Quarters

1998-1999

Michael Merritt - All Quarters

Graduate and Professional Level Primary Advisory Role

1980-1981

Abraham Tobia - Pathology - M.S.

David Chang - Pharmacology - M.S.

James Raber - Pharmacology - Ph.D.

Carol Oravec - Pharmacology - Ph.D.

1981-1982

David Chang - Pharmacology - M.S.

James Raber - Pharmacology - Ph.D.

1982-1983

David Chang - Pharmacology - M.S.

James Raber - Pharmacology - Ph.D.

1983-1984

Harry Duran - Pharmacology - Ph.D.

James Raber - Pharmacology - Ph.D.

Tapu Dutta-Choudhury - Pharmacology - Ph.D.

1984-1985

Harry Duran - Pharmacology - Ph.D.

Tapu Dutta-Choudhury - Pharmacology - Ph.D.

James Raber - Pharmacology - Ph.D.

1985-1986

Tapu Dutta-Choudhury - Pharmacology - Ph.D.

James Raber - Pharmacology - Ph.D.

James Mosure - Radiology - M.S.

John Caudill - Radiology - M.S.

Thomas Mason - Radiology - M.S.

Vijay Chandnani - Radiology - M.S.

Thomas Foster - Radiology - M.S.

Eric Flint - Radiology - M.S.

1986-1987

Gene Wong - Radiology - M.S.

Scott Campanini - Radiology - M.S.

Christopher Morris - Radiology - M.S.

1987-1988

Brad Johnson - Radiology - M.S.

Joseph Spaeth - Radiology - M.S.

1988-1989

Ed Boyle - Radiology - M.S.

Andrew Poulos - Radiology - M.S.

1989-1990

Dave Magee - Radiology - M.S.

Anthony Sodd - Radiology - M.S.

Mark King - Radiology - M.S.

Peter Pema - Radiology - M.S.

Joseph Yu - Radiology - M.S.

Daniel White - Radiology - M.S.

1994-1995

Eileen Brantley - Pharmacology - Ph.D.

Co-advisory Role

1977-1978

Doug Brash - Biophysics - Ph.D.

Kathleen Hall - Zoology - Ph.D.

1978-1979

Kathleen Hall - Zoology - Ph.D.

Doug Brash - Biophysics - Ph.D.

1979-1980

Ruth Gibson - Pathology - M.S., non-degree

Chang Su - External Committee Member - Ph.D.
Col. State Univ.

1980-1981

Allen Yan - Chemistry, Graduate School Representative - Ph.D.

Carol Oravec - Pharmacology - Ph.D.

Ruth Gibson - Pathology - M.S., non-degree

Hans Nabi - Zoology - Ph.D.

Judy Luebber - Pharmacology - Ph.D.

John O'Connell - Physiology - Ph.D.

1981-1982

Chris Albrightson - Pharmacology - Ph.D.

John O'Connell - Physiology - Ph.D.

Linda Carter - Veterinary Pathobiology - Ph.D.

Mark Elliot - Physiological Chemistry - Ph.D.

RA R Nair - Medicinal Chemistry - Ph.D.

Steven Navrean - Pharmacy - Ph.D.

1982-1983

John O'Connell - Physiology - Ph.D.

Linda Carter - Veterinary Pathobiology - Ph.D.

Mark Elliot - Physiological Chemistry - Ph.D.

Joe Lynch - Pharmacy - Ph.D.

John Wilton - Pharmacy - Ph.D.

1983-1984

John O'Connel - Physiology - Ph.D.
Linda Carter - Veterinary Pathobiology - Ph.D.
Mark Elliot - Physiological Chemistry - Ph.D.
Shih-hao Chong - CEE - M.S.
Norman Schwartz - M.D.
Kathleen Tarr - M.D.
Donna Frimming - D.V.M.

1984-1985

Linda Carter - Veterinary Pathobiology - Ph.D.
Mark Elliot - Physiological Chemistry - Ph.D.
Shih-hao Chong - CEE - M.S.
Norman Swartz - M.D.
Kathleen Tarr - M.D.
Donna Frimming - V.M.D.
Keith Keretz - Physiological Chemistry - Ph.D.
Kenneth E. Green - Chemistry - Ph.D.

1985-1986

Keith Keretz - Physiological Chemistry - Ph.D.
Theri Lehman - Physiological Chemistry - Ph.D.
John Mills - Biophysics - Ph.D.
Steven Appahamian - Chemistry - Ph.D.

1986-1987

Keith Keretz - Physiological Chemistry - Ph.D.
Theri Lehman - Physiological Chemistry - Ph.D.
Jonathan Lee - Chemistry - Ph.D.

1987-1988

Maqsood Wani - Medical Microbiology and Immunology - Ph.D.

1988-1989

Maqsood Wani - Medical Microbiology and Immunology - Ph.D.

1989-1990

Maqsood Wani - Medical Microbiology and Immunology - Ph.D.
Khalid Matalika - Pathology

1990-1991

Maqsood Wani - Medical Microbiology and Immunology - Ph.D.
Khalid Matalika - Pathology - Ph.D.
Brad Crombie - Summer Trainee in Cancer Research - M.D.

1991-1992

Muriel Liberto - OSU Biochemistry Program - Ph.D.

1992-1993

Liang Lui - Pathology - Ph.D.
Sundaresan Venkatachalam, OSU Biochemistry Program - M.S.

1993-1994

Sundaresan Venkatachalam, OSU Biochemistry Program - M.S.

1994-1995

Sundaresan Venkatachalam, OSU Biochemistry Program - Ph.D.

1995-1996

Sundaresan Venkatachalam, OSU Biochemistry Program - Ph.D.

Post-Doctoral Primary Advisor

Dhan Mhaskar, Ph.D., Mycology, 1978-1982
Altaf Wani, Ph.D., Biochemistry, 1980-1984
Cheng Su, Ph.D., Molecular Biology, 1980-1982
Carol Oravec, Ph.D., Pharmacology, 1981-1983
Narandra Singh, M.D., Radiology, 1982-1983
Jeonghae Park, Ph.D., Radiology, 1993-1995

Co-Advisory

Philip Lipetz, Ph.D., Biophysics, 1978-1979
Altaf Wani, Ph.D., Biochemistry, 1979-1980
Cheng Su, Ph.D., Molecular Biology, 1979-1980
Yunis Sheikh, Ph.D., Organic Chemistry, 1980-1982
Nasir Alvi, Ph.D., Genetic Toxicology, 1985-1987
Shahabuddin, Ph.D., Molecular Biology, 1989-1991

RESEARCH ASSISTANTS AND ASSOCIATES

Kathy Schmidt-Reuter, 1979 - 1982
Judy Ortman, 1979 - 1980
Linda Carter, 1979
James Raber, 1979 - 1980
Ruth E. Gibson, 1979 - present
Abraham Tobia, 1979 - 1980
Laurel Hyde, 1979 - 1982
Nufatt Leong, 1980 - 1984
Mimi Ballentine, 1980 - 1981
Yu Peng Leong, 1980 - 1984
Deborah New, 1981 - 1984
Ren Ren Chen, 1981
Carolyn Clay, 1981 - 1985
Gulzar Wani, 1982 - 1999
Kevin Spear, 1984 - 1985
Virginia Molleran, 1984 - 1985
Beth Lowder, 1985 - 1989
Ronald Miller, 1985 - 1988
Richard Danford, 1986 - 1988
Robin Shanfeld, 1988 - 1989
Jeffrey Ryan, 1989 - 1990
Jennifer Williams, 1990 - 1991
Seema Kapur, 1991 - 1992
Tonya Brady, 1992 - 1998
Hua Hua Tong, 1995 - 1997

VISITING PROFESSORS

J. Treton (France), Institut National De La Sante, Unite De Recherches Gerontologiques, Paris, France, 1980.
N.P. Singh (India), G.S.U.M. Medical College, Kanpur, India, 1984.

Title	Agency*	GRANTS		Amount Awarded
		Term		
<u>Principal Investigator - In Progress</u>				
Workstatement 62: In Vitro Screening Of Chemopreventive Agent Cytotoxicity Using Human Oral Mucosal Cells	NIH RFP# N01-CN- 85044-63	7/01/98 through 6/30/00	Contract	188,815
<u>Co-Principal Investigator - In Progress</u>				
Gene Specific Mutations in Skin Induced by Peroxynitrite (Robertson)	NCI R01-CA- 69872-02	5/01/97 through 3/31/02	Competitive Grant	196,338 (Yr2 DC)
<u>Co-Investigator - In Progress</u>				
Phase I Clinical Trials (S. Balcerzak – P.I.)	NCI 1 U01- CA76576-01	4/15/98 through 1/31/01	Competitive Grant	235,843 (DC 98-99)
A Phase II Clinical Trials Consortium (S. Balcerzak - P.I.)	NCI U01- CA63185-04S1	6/10/94 through 3/31/99	Competitive Grant	182,158 (DC 98-99)
<u>Program Director & Staff Investigator - In Progress</u>				
OSUCCC Core Grant (MCCE)	NCI 5-P30- CA16058-21	7/01/95 through 6/30/00	Center	
<u>Participant</u>				
Carcinogenesis, Molecular and Cellular Biology - Training Grant (F. Robertson, P.I.)	NCI T32-CA09498	4/1/96 through 3/31/01		682,000
Oncology Training Grant (S. Balcerzak - P.I.)	NCI 5T32-CA 09338-17	7/01/78 through 6/30/99		
<u>PENDING</u>				
<u>Principal Investigator</u>				
Molecular Events in Progression/Prevention of Oral Cancer, Project 6 (G. Stoner, P.I. & S. D'Ambrosio, Project Leader)	NIH	7/01/00 through 6/30/03	25%	\$150,943 (Yr 1 DC)
Workstatement 79: In Vitro Screening of Chemopreventive Agent Cytotoxicity Using Human Oral Mucosal Cells	NIH	7/01/00	15% through 12/31/01	\$188,815

Title	Agency*	Term Awarded		Amount
<u>Principal Investigator - Completed</u>				
Postreplication repair capacity in mammalian cells treated with DMBA	OSU 221740	1/1/78 through 12/31/78	Competitive Grant	4,000
Development of an assay for genetic damage to mammary gland cells	NCI CB84226	9/1/78 through 8/3/81	Competitive Contract	382,300
Development of a tissue selective <u>in vivo</u> bioassay for environmental agents producing DNA damage	USEPA CR805337	12/26/80 through 3/1/83	Competitive Cooperative Agreement	333,087
Chlorinated hydrocarbons insecticidal vs. carcinogenic action	USEPA R805008	7/15/79 through 7/15/80	Competitive Cooperative Agreement	20,572
Fate of environmentally induced DNA damage in human fetal tissues	USEPA R807693	10/1/80 through 9/30/82	Competitive Grant	173,237
Lymphocytes as indicators of carcinogen exposure	USEPA R807268	5/1/80 through 4/30/83	Competitive Grant	329,186
Biomedical research support grant (subproject of grant to J.B. Lapidus)	NIH	9/11/80 through 3/31/81	Competitive Grant	4,000
Photoreversal of sunlight induced DNA damage <u>in vivo</u>	DF	1/1/81 through 12/31/81	Competitive Grant	5,000
Detection of DNA damage following exposure to genotoxins ESO2388	NIEHS R01- 8/31/84	9/1/81 through	Competitive Grant	274,561
DNA damage, repair and replication in cell specific <u>in vivo</u> carcinogenesis	USEPA R809580	5/1/82 through 11/30/83	Competitive Grant	159,477
Evaluation of night repair	E. Lilly Co.	7/15/82 through 10/15/82	Contract	9,981

Title	Agency*	Term Awarded		Amount
Evaluation of DNA repair in human skin	American Cyanamid	1/1/83 through 5/30/84	Contract	27,290
Fate of DNA damage in human fetal cells	USEPA R810146	9/1/82 through 12/30/85	Competitive Grant	265,879
Sponsor, MARC predoctoral fellowship to Harry Duran	NIGMS 1 F31 GM09992	9/1/84 through 8/31/85	Competitive Grant	9,253
Detection of DNA damage following exposure to genotoxins ES02388	NIEHS R01-11/30/88	9/1/84 through 11/30/88	Competitive Grant	449,287
Fate of DNA damage in human fetal cells	USEPA R810146	5/1/86 through 10/31/89	Competitive Grant	429,582
Early Cancer Detection Method	Jarrow Formulas Inc.	2/1/89 through 5/31/90	Contract	94,887
Cancer Test Kit Development, Immuno Characterization of Human Cell, DNA Damage and Repair 33423-55-00	American Chemical Society	6/18/90 through 8/24/90	Competitive Grant SEED Grant	1,000
Fate of DNA Damage in Human Epithelial Cells	USEPA R815612	4/2/90 through 4/1/94	Competitive Grant	439,277
Genotoxic Modulation of Human Liver Cell Differentiation	NIEHS 5-RO1-ESO5727-05	6/1/91 through 5/31/97	Competitive Grant	845,040
Genotoxicity in Human Skin and Kidney Epithelial Cells	NIEHS 5-RO1-ESO3101-13	6/20/83 through 3/31/98	Competitive Grant	2,036,127

Title	Agency*	Term Awarded		Amount
<u>Co-Principal Investigator - Completed</u>				
DNA damage and oncogene activation (Wani)	NCI R01-CA 39397	9/30/87 through 8/31/91	Competitive Grant	401,433
DNA Damage Following Exposure to Genotoxin (Wani)	NIEHS 5-R01- ES02388-11	12/1/88 through 11/30/94	Competitive Grant	786,442
Gene Specific Mutations Induced During Inflammation in Human Breast Epithelium (F. Robertson - P.I.)	Geyer Foundation	7/1/96 through 6/30/97	10%	90,910
<u>Co-Investigator - Completed</u>				
Chlorinated hydrocarbons Insecticidal vs. carcinogenic action (Lewis)	USEPA R805008	7/15/77 through 7/15/79	Competitive Cooperative Agreement	128,352
Carcinogenic, mutagenic and cytotoxic mechanism DMBA (Witiak and Hart)	NCI R01CA 21371	4/1/77 through 7/18/79	Competitive Grant	277,420
Development of a tissue selective <u>in vivo</u> bioassay environmental agents producing-DNA damage (Hart, Witiak and Koestner)	USEPA CR805337	12/25/77 through 12/25/80	Competitive Cooperative Agreement	1,802,235
Nuero-oncogenesis by resorptive carcinogens (Marushige and Koestner)	NCI R01-CA 11224-12	8/1/80 through 9/30/81	Competitive Grant	110,502
Anchored Cell Analysis and Sorting Cytometer (Mathes)	Division of Research Resources	1/18/90 through 1/17/91	Competitive Equipment Grant	222,000

*ACS-OH - American Cancer Society, Ohio Division
 USEPA - United States Environmental Protection Agency
 OHEPA - Ohio Environmental Protection Agency
 NIH - National Institutes of Health
 NCI - National Cancer Institute
 OSU - Ohio State University Graduate School
 NIEHS - National Institute of Environmental Health Science
 NIGMS - National Institute of General Medical Sciences
 USAMRDC - U.S. Army Medical Research and Development Command
 OWDA - Ohio Water Development Authority
 DF - Dermatology Foundation