**Curriculum Vitae**

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Date of Birth: June 24, 1947

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**Education:**

1965-1969 Tufts University, College of Liberal Arts, B.S.

1969-1973 Tufts University School of Medicine, M.D.

**Postdoctoral training:**

Internship and Residencies:

1973-1974 Intern in Medicine, University of Washington Affiliated Hospitals; Seattle, Washington

1974-1975 Resident in Medicine, University of Washington Affiliated Hospitals

Fellowships:

1975-1976 Clinical Fellow in Medicine (Hematology) Tufts-New England Medical Center Hospital, Boston

1976-1977 Research Fellow in Medicine (Hematology) Tufts-New England Medical Center Hospital

1977-1978 Research Fellow in Medicine, Harvard Medical School; Research Fellow, Robert B. Brigham Hospital, Boston, MA

**Academic appointments:**

1978-1980 Instructor in Medicine, Harvard Medical School

1980-1982 Assistant Professor of Medicine, Harvard Medical School

1982-1986 Associate Professor of Medicine, Boston University School of Medicine (BUSM)

1982-1986 Associate Research Professor of Biochemistry, BUSM

1985-1987 Associate Professor of Pathology, BUSM

1986-1987 Associate Professor, Department of Pathology, Division of Medical and Dental Sciences, Boston University Graduate School

1986-2004 Professor of Medicine, BUSM

1987-2011 Professor of Pathology, BUSM

1991-1992 Adjunct Professor of Biology, College of Liberal Arts, Boston University

1992-2011 Professor of Philosophy (tenured, 1998), College of Arts and Sciences, Boston University

2004-2011 Zoltan Kohn Professor of Medicine, Boston University School of Medicine

2011-Professor of Philosophy, *emeritus*, College of Arts and Sciences, Boston University

2011- Zoltan Kohn Professor of Medicine, *emeritus*, School of Medicine, Boston University

**Other appointments and awards:**

1973 Alpha Omega Alpha, Tufts University School of Medicine, Boston, MA

1978- Board of Fellows, Brandeis University

1986-1988 Member of the Board, Boston University Hillel Foundation

1987-1989 Research Committee of Scripps Clinic and Research Foundation, La Jolla, CA

1989- *Who's Who in America*

1993-2000 Dibner Institute Advisory Committee, Dibner Institute for the History of Science and Technology, Cambridge, MA.

1995-1997 Faculty Advisory Council on the Natural Sciences, Center for the Study of World Religions, Harvard University

1998-2002 Advisory Board, Program in the History of Ideas, Brandeis University

2000 *Confessions of a Medicine Man* (MIT Press, 1999) cited by *Choice* as “Outstanding Academic Title” and awarded First Prize, Allied Health category, by the American Medical Writers Association

2003-2013 Trustee, Tufts University

2006 Phi Beta Kappa (Honorary), Tufts University Chapter

2006 The Gold Humanism Honor Society, BU School of Medicine Chapter

2007-2010 Chairman, Academic Affairs Committee; Executive Committee; and Honorary Degree Committee, Board of Trustees, Tufts University

2008 Medal for Science, Institute of Advanced Studies, University of Bologna

2010- Board of Governors, University of Haifa

2011 Doctor of Philosophy *honoris causa*, University of Haifa

2011 Founder, Avaloch Farm Music Institute, Boscawen, New Hampshire

2012-2014 Board of Directors, New Israel Fund

2013-2019 Chairman, Board of Governors, University of Haifa

2013-2016 Board of Governors, Tel Aviv University

2013- Trustee *emeritus*, Tufts University

2014-2018 Chairman of the Board, Molad, The Center for the Renewal of Israeli Democracy

2014 Outstanding Citizen of the Year, Boscawen, New Hampshire

2016-2020 Founder and Chairman of the Board, Alliance for Israel’s Future

2019- Chairman *emeritus*, Board of Governors, University of Haifa

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**Summary**: monographs – 11; edited works – 13; critical studies of immunology – 53**;** miscellaneous history and philosophy of science/medicine papers – 23; ethics papers – 30; papers on Freud – 12; American philosophy papers – 7; autobiographies – 2 papers and 2 monographs; book reviews, short introductions, and book forewords – 50; original scientific reports – 84; scientific reviews, letters, and book chapters – 23; scientific abstracts – 47.

**Monographs**

11. Tauber, A.I. *The Triumph of Uncertainty. Science and Self in the Postmodern Age*, Central European University Press, 2022.

10. Tauber, A.I. *Immunity: The Evolution of an Idea*, New York: Oxford University Press, 2017 (paperback 2018).

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**Edited works**

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12. Cooper, R. A. and Tauber, A.I. ”Values and Ethics: A Collection of Curricular Reforms for a New Generation of Physicians,” *Academic Medicine* 82:405–427, 2007.

11. Gourko, H., Williamson, DI. and Tauber, AI. (Edited, translated, and annotated) *The Evolutionary Biology Papers of Elie Metchnikoff.* Dordrecht: Kluwer Academic Publishers, 2000.

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**Critical studies of immunology**

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22. Ben-Jacob, E., Shapira, Y. and Tauber A.I., Smart bacteria, in *Chimera and Consciousness. Evolution of the Sensory Self*, L. Margulis, C.A. Asikainen & W.E. Krumbein, (eds.) Cambridge: The MIT Press, 2011, pp. 55-62.

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32. Bjornson BJ, McIntyre AP, Harvey JM, Tauber AI. Studies of the effects of trimethoprim and sulfamethoxazole on human granulopoiesis. *Am. J. Hematol*. 23:1-7, 1986.

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24. Borregaard N, Boxer LA, Smolen JE, Tauber AI. Anomalous neutrophil granule distribution in a patient with lactoferrin deficiency: pertinence to the respiratory burst. *Am. J. Hematol.* 18:255-260, 1985.

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21. Borregaard N, Tauber AI. Subcellular localization of the human neutrophil NADPH-oxidase: b-cytochrome and associated flavoprotein. *J. Biol. Chem.* 259:47-52, 1984.

20. Tauber AI, Fay JR, Marletta MA. Flavonoid inhibition of the human neutrophil NADPH-oxidase. *Biochem. Pharm*. 33:1367-1369, 1984.

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17. Badwey JA, Tauber AI, Karnovsky ML. Properties of NADH-cytochrome b5 reductase from human neutrophils. *Blood* 62:152-157, 1983.

16. Newburger PE, Robinson JM, Pryzwansky KB, Rosoff PM, Greenberger JS, Tauber AI. Human neutrophil dysfunction with giant granules and defective activation of the respiratory burst. *Blood* 61:1247-1257, 1983.

15. Curnutte JT, Tauber AI. Failure to detect superoxide in human neutrophils stimulated with latex particles. *Ped. Res.* 17:281-284, 1983.

14. Newburger PE, Tauber AI. Heterogeneous pathways of oxidizing radical production in human neutrophils and the HL-60 cell line. *Ped. Res.* 16:856-860, 1982.

13. Lee CW, Lewis RA, Corey EJ, Barton A, Oh H, Tauber AI, Austen KF. Oxidative inactivation of LTC4 by stimulated human polymorphonuclear leukocytes. *Proc. Natl. Acad. Sci. (USA)*  79:4166-4170, 1982.

12. Tauber AI, Brettler DB, Kennington EA, Blumberg PM. Relation of human neutrophil phorbol ester receptor occupancy and NADPH-oxidase activity. *Blood*  60:333-339, 1982.

11. Ginzberg CH, Braden GL, Tauber AI, Trier JS. Oral clortrimazole in the treatment of esophageal candidiasis.  *Am. J. Med*. 71:891-895, 1981.

10. Tauber AI, Roberts MF. 31P NMR spectroscopy of phorbol myristate acetate stimulated polymorphonuclear human leukocytes. *FEBS Lett.* 129:105-108, 1981.

9. Tauber AI, Goetzl EJ. Inhibition of complement-mediated functions of human neutrophils by impermeant stilbene disulfonic acids. *J. Immunol.* 126:1786-1789, 1981.

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7. Goetzl EJ, Derian CK, Tauber AI, Valone FH. Novel effects of 1-0-hexadecyl-2-acyl-sn-glycero-3-phosphorycholine mediators on human leukocyte function: Delineation of the specific roles of the acyl substituents. *Biochem. Biophys. Res. Commun.* 94:881-888, 1980.

6. Goetzl EJ, Brash AR, Tauber AI, Oates JA, Hubbard WC. Modulation of human neutrophil function by monohydroxyeicosatetraenoic acids. *Immunology* 39:491-501, 1980.

5. Tauber AI, Goetzl EJ. Structural and catalytic properties of the solubilized superoxide-generating activity of human polymorphonuclear leukocytes. Solubilization, stabilization in solution, and partial characterization. *Biochemistry* 18:5576-5584, 1979.

4. Tauber AI, Goetzl EJ, Babior BM. Unique characteristics of superoxide production by human eosinophils in eosinophilic states. *Inflammation* 3:261-272, 1979.

3. Tauber AI, Gabig T, Babior BM. Evidence for the production of oxidizing radicals by the particulate O2 – forming system from human neutrophils. *Blood* 53:666-676, 1979.

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1. Tauber AI, Kaliner M, Stechschulte DJ, Austen KF. Immunologic release of histamine and slow reacting substance of anaphylaxis from human lung. V. Effect of prostaglandins on release of histamine. *J. Immunol.* 111:27-32, 1973.

**Scientific reviews, letters, and book chapters:**

23. Podolsky S, Tauber AI. Yogurt for Candidal vaginitis (Letter). *Ann. Int. Med.*  117:345-346, 1992.

22. Hartshorn KL, Daigneault DE, Tauber AI. Phagocyte responses to viral infection, in *Inflammation. Basic Principles and Clinical Correlates. 2nd Edition*, JI Gallin, IM Goldstein, R Snyderman (eds.). New York: Raven Press, 1992, pp. 1017-1031.

21. Daignault DE, Hartshorn KL, Tauber AI. Influenza A virus activation of the human neutrophil: A case of promiscuous binding? in *Cellular and Molecular Mechanisms of Inflammation: Receptors of Inflammatory Cells.* C.C. Cochrane and M. Gimbrone, ed. Orlando, FL: Academic Press, 1990, pp. 113-136.

20. Hartshorn KL, Karnad AB, Tauber AI. Influenza A virus and the neutrophil. A model of natural immunity. *J. Leuk. Biol*. 47:176-186, 1990.

19. Tauber AI. Tissue destruction by neutrophils (Letter). *N. Eng. J.* *Med.* p. 328, 1989.

18. Tauber AI, Karnad AB, Ginis I. The role of phosphorylation in phagocyte activation, in *Current Topics in Membranes and Transport: Mechanisms of Leukocyte Activation* ed. S. Grinstein and O.D. Rotstein, San Diego; Academic Press, 1990, pp. 469-494.

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16. Hartshorn KL, Tauber AI. The influenza virus-infected phagocyte: A model of deactivation. *Hem. Onc. Clin. N. Am., Vol. 2*, pp. 301-315, 1988.

15. Tauber AI, Blanchard RA. Congenital methemoglibinemia with cytochrome b5 deficiency (Letter). *N. Eng. J. Med*. 315:894, 1986.

14. Tauber AI. American Medicine (Letter). *Commentary* 81:10-11, 1986.

13. Tauber AI, Yoshimoto S, Tringale SM, Myers J and Klitzman D. The human neutrophil NADPH-oxidase: The electron transport chain for killing In: *Redox Functions of the Eukaryotic Plasma Membrane.* J.M. Ramirez, ed., Madrid: Consejo Superior de Investigaciones Cientificas, pp. 213-230, 1987.

12. Tauber AI. Protein kinase C and the activation of the human neutrophil NADPH-oxidase. *Blood* 69:711-720, 1987.

11. Tauber AI, Babior BM. Neutrophil oxygen reduction: The enzymes and the products. *Free Rad. Biol. Med*. 1:265-308, 1985.

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8. Tauber AI, Borregaard N, Simons ER, Wright J. Chronic granulomatous disease: A syndrome of phagocyte oxidase deficiencies. *Medicine* 62:286-309, 1983.

7. Newburger PE, Speier C, Whitin JC, Simons ER, Tauber AI. Oxy-radical production by human myeloid cell line HL-60. In: Greenwald, RA and Cohen G, eds. *Oxy Radicals and Their Scavenger Systems. Vol. II: Cellular and Medical Aspects.*  Amsterdam: Elsevier Science Publishing Co., Inc. 65-68, 1983.

6. Tauber AI. The human neutrophil oxygen armory. *Trends Biochem.* Sci. 7:411-414, 1982.

5. Karnovsky ML, Badwey JA, Tauber AI. How, where, and why phagocytic leukocytes produce superoxide and peroxide. In: Bloch K, Bolis L, Tosteson DC, eds. *Membranes, Molecules, Toxins, and Cells*. Boston: John Wright and PSG, Inc., 163-173, 1981.

4. Tauber AI. Current views of neutrophil dysfunction: An integrated clinical perspective. *Am. J. Med*. 70:1237-1247, 1981.

3. Tauber AI, Babior BM. O2- and host defense: The production and fate of O2- i in neutrophils. *Photochem. Photobiol.* 28:701-709, 1978.

2. Tauber AI, Kaliner M, Stechschulte DJ, Austen KF. The effect of prostaglandins on the immunological release of histamine from human lung tissue. In: Kahn R, Lands W, eds. *Prostaglandins and cyclic AMP: Biological actions and clinical applications.* New York: Academic Press, 29-48, 1973.

1. Tauber AI. The Last Puritan (Letter) *N. Eng. J. Med*. 284:922-923, 1971.

**Addenda**

**Licensure and certification:**

Medical license: Washington, 1973-1975 (No. 12311); Massachusetts 1975 (No. 37751);

Virginia 1985-2000 (No. 38875); New Hampshire 1997- 2005 (No. 9971)

Medicaid No. 2068745; Medicare No. M09910 NPI: 1346212511

1974 Diplomate, National Board of Medical Examiners, Certificate No. 130158

1977 Diplomate, American Board of Internal Medicine, Certificate No. 054030

1980 Diplomate, Hematology Subspecialty Board, Certificate No. 054030

**Hospital appointments:**

1978-1979 Staff Consultant in Hematology, Peter Bent Brigham Hospital

1979-1980 Junior Associate in Medicine, Peter Bent Brigham Hospital Research Associate, Robert B. Brigham Hospital

1980-1982 Junior Associate in Medicine, Department of Medicine, Brigham and Women's Hospital; Research Associate, Department of Rheumatology and Immunology, Robert B. Brigham Division, Brigham and Women's Hospital

1982-1984 Medical Director, Clinical Hematology Laboratory, Boston City Hospital

1982 Associate Physician, Brigham and Women's Hospital

1982-1988 Associate Visiting Physician, Boston City Hospital

1982-1991 Chief, Hematology and Oncology Sections and William Bosworth Castle Hematology Research Laboratory, Boston City Hospital

1984-1991 Director, Division of Clinical Laboratories, Boston City Hospital

1984-1989 Associate Staff, University Hospital

1989-1995 Visiting Physician, Boston City Hospital

1995-2008 Physician, Boston Medical Center

**Other professional positions and major visiting appointments:**

1980-1982 Consultant, U.S. Public Service Hospital, Brighton, MA

Visiting Scientist, Massachusetts Institute of Technology

1983-1995 Associate Staff in Medicine, University Hospital, Boston, MA

1983-1991 Consultant, Boston Veterans Administration Hospital

1985-1987 Director, Boston University School of Medicine - Hebrew University Exchange Program

1986-1987 Director, Boston University Immunology Laboratory at Jefferson Memorial Hospital, Alexandria, Virginia

1990-1992 Research Fellow, Center for Philosophy and History of Science, Graduate School, Boston University

1992-1993 Associate Director, Center for Philosophy and History of Science, Boston University

1993-2010 Director, Center for Philosophy and History of Science, Boston University

1993-2010 Affiliated Faculty of the Law, Medicine and Ethics Program, Boston University Schools of Medicine and Public Health

2004-2007 Advisor-at-large, Academies Program, Boston University School of Medicine

2004-2007 Sackler Fellow, Sackler Institute of Advanced Studies, Tel Aviv University

2006 Reynolds Visiting Lectureship, Baylor University, Waco, TX

2007-2010 Visiting Professor, Faculty of Medicine, The Hebrew University of Jerusalem

2007- 2016 Sackler Visiting Professor, Tel Aviv University, Cohn Institute for the History and

Philosophy of Science and Ideas

2010- Director, *emeritus*, Center for Philosophy and History of Science, Boston University

**Editorial boards:**

1986-1989 Associate Editor, *The Journal of Immunology*

1988-1993 Editorial Board, *Blood*

1989-1993 Section Head, *Journal of Immunology*

2001-2015 Editorial Board, *Perspectives in Biology and Medicine*

2002-2007Editorial board, *ComPlexUs. Modeling and Understanding Functional Interactions in Life Sciences*

2009- Editorial Board, *Korot, The Israel Journal of the History of Medicine and Science*

**Research grants:**

1976-1978 Research Fellowship Award - Oxygen-dependent bactericidal mechanisms. National Institute of Allergy and Infectious Diseases

1978-1981 Young Investigator Award - Modulation of granulocyte migration and cytotoxicity. National Institute of Allergy and Infectious Diseases

1977-1982 Co-investigator - Regulation of hypersensitivity reaction in the lung. Oxidative metabolic pathways of alveolar macrophages. National Heart, Lung and Blood Institute

1981-1989 Principal Investigator - Molecular mechanisms of neutrophil superoxide generation. National Institute of Allergy and Infectious Diseases

1982-1983 Co-recipient, Whitaker Health Sciences Fund Grant: Anthracycline semiquinone generation of NADH-ubiquinone oxido-reductase

1983-1984 Principal Investigator - Generation of a radio-labeled antibody to human neutrophil myeloperoxidase. Community Technology Foundation, Boston

1983-1984 Co-investigator - Effects of Bactrim on neutrophil function and proliferation. Roche Laboratories

1987-1992 Principal Investigator - Biochemical interaction of the human neutrophil with chlamydia. National Institute of Allergy and Infectious Diseases

1984-1993 Principal Investigator - Production of toxic species in acute lung injury. National Heart, Lung and Blood Institute

1992-1993 Co-investigator - Characterization of the bovine conglutinin gene. Applied Immune Science, Santa Clara, CA.

1993-1995 Co-investigator - Genetic reductionism: Its sources and implications. National Center for Human Genome Research (NIH)

**Memberships, offices and committee assignments in professional societies:**

1975-1994 American Federation for Clinical Research

1978-2005 American Society of Hematology

1978 Member, American College of Physicians

1981 Fellow, American College of Physicians

1982-1991 Massachusetts Medical Society

1982-2004 The American Association of Immunologists

1982-1986 The Society for Free Radical Research

1983-1992 The American Society for Cell Biology

1983-1997 American Society of Biological Chemists

1983-1989 American Society of Clinical Oncology

1984-1985 President, Boston Blood Club

1984-1986 Academic Co-chairman, Leukemia Subgroup, Cancer Management Information System, Massachusetts Division of the American Cancer Society

1984-1987 Scientific Subcommittee on Leukocyte Physiology, American Society of Hematology

1984-1989 American Association for Cancer Research

1985-2000 American Society for Clinical Investigation

1985 Correspondent, President's Panel on the Health of U.S. Colleges and Universities

1986-1988 New York Academy of Sciences

1986-1995 Reticuloendothelial Society

1989- Association of American Physicians

1989-1992 Scientific Subcommittee on Immunohematology, American Society of Hematology

1990-2007 History of Science Society

1990-1997 The International Society for the History, Philosophy and Social Studies of Biology

1991-1999 The American Association for the History of Medicine

1993-2009 American Philosophical Association

1993-2007 Philosophy of Science Association

2009- The Committee of Concerned Scientists

**Review committees:**

1986-1989 Veterans Administration Medical Research Merit Review Board for Hematology

1991-1993 Immunology and Microbiology Study Committee, American Heart Association

Ad Hoc Reviewer for National Science Foundation, National Institutes of Health, March

of Dimes Birth Defects Foundation, National Endowment for the Humanities

2004 Chairman, Review committee, Georgetown University Ethics Program

**Teaching experience:**

1978-1982 Lecturer in Hematology and Internal Medicine teaching programs; staff instructor on teaching services of the Peter Bent Brigham Hospital

1982-1991 Director of graduate and post-graduate training program in Hematology and Oncology, Boston City Hospital

1983-1985 Lecturer, Advanced Biochemistry, Biochemistry Department, Boston University School of Medicine (BUSM) 1987; "Inflammation" Pathology Graduate Seminar, BUSM

1990, 1991 "Modern Concepts of Organism" University Professors Program (UNI MS 506)

Boston University, College of Arts and Sciences:

1993, 1995, 2000 "Philosophy of Medicine," PH 224; 273

1993, 1996, 1999 "Philosophy of Biology," PH 583

1994, 1998 "History of Science," PH 237

1994 "Immunology," BI 435/635

1995, 1996, 2003 "Philosophy of Sexuality and Gender," PH 227; 258

1996-98 “Directed Study,” PH 492

1997 “Philosophy of Science,” PH 270

1997 “Philosophy of Religion,” PH 443/643

1998 “Philosophy of Nature,” PH 251

1999 “Philosophy of History” PH 278

2000, 2005, 2008 “Persons and Nature” PH 444

2000 (6 times) “Philosophy of Medicine” 701.0, B.U. School of Medicine

2002 “Introduction to Philosophy” PH 100

2002 “The American Philosophical Tradition” PH 249 (Part 1 [Fall] & Part 2[Spring])

2003 “Philosophy and Literature” PH 252

2004 “Philosophy of Health Care” PH 452/652

2004, 2005, 2006 “Topics in Modern and Contemporary Philosophy” PH 482/682

2005 “Great Philosophers” PH 110

2006 “Science and its Reasons” Graduate seminar, Cohn Institute, Tel Aviv University

2008 “Ecology and Literature” PH 471

2009 Workshop: "American Individualism," The Van Leer Institute, Jerusalem

2009 “Metaphysics” PH 440

2010 “Philosophy of Psychoanalysis,” Cohn Institute, Tel Aviv University and Department of Philosophy, Haifa University

2011 “Utopianism in our Era,” Cohn Institute, Tel Aviv University

2012 “Reason and its Discontents,” Cohn Institute, Tel Aviv University

2014 “Probing the Unsayable: From Freud to Derrida,” Cohn Institute, Tel Aviv University

2015 “Heidegger’s Nietzsche: A Philosophical Rendering of the Unsayable” Cohn Institute, Tel Aviv University

**Research trainees:**

1980-1981 Doreen B. Brettler, M.D., Research Fellow, Division of Hematology, Boston City Hospital (BCH)

1983-1984 Neils Borregaard, Ph.D., M.D., Post-doctoral Research Fellow, Division of Hematology, BCH

1983-1984 Frank K. Higson, Ph.D., Post-doctoral Research Fellow, Division of Hematology, BCH

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1985-1987 Stephen M. Tringale, Masters Program, Department of Biochemistry, Boston University School of Medicine

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2001-2003 Susan Lanzoni, Ph.D., Research Associate, Center for Philosophy and History of Science, Boston University, NSF Post-doctoral fellow

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**Administrative committees:**

1983-1985 American Cancer Society Institutional Research Grant Committee, Boston University School of Medicine

1982-1991 Laboratory Advisory Committee, Boston City Hospital

1984-1985 Subcommittee on Appeals of the Student Promotion Committee, Boston University School of Medicine

1984-1991 Executive Committee of the Medical and Dental Staff, Boston City Hospital

1985-1987 Chairman, Professional Advisory Group, Cost Containment Committee, Boston City Hospital

1990-1991 Ambulatory Services Committee, Boston City Hospital

1991- Graduate Qualifier Exam Committee, Department of Pathology Division of Medical and Dental Sciences, B.U. Graduate School

1991 Chairman, Research Advisory Study, Boston City Hospital

1994-2003 Institutional Review Board, Boston University, Charles River Campus

2004-2005 Chairman, Ethics Sub-committee, Clinical Curriculum Committee, BUSM