

CURRICULUM VITAE

Date: 2/28/2009

Name: Mark E. Sobel, M.D., Ph.D.

Date and Place of Birth: April 14, 1949; Brooklyn, New York

Citizenship: United States

Education:

1970 - B.A., Brandeis University
1975 - M.D., Mount Sinai School of Medicine
1975 - Ph.D. (Biomedical Sciences), City University of New York
1976 - Diplomate, National Board of Medical Examiners

Brief Chronology of Employment:

1971-1975 - Research Assistant, Department of Biochemistry, Mount Sinai School of Medicine
1974-1975 - Lecturer, Biochemistry Clinical Correlates Course, Mount Sinai School of Medicine
1975-1976 - Intern in Medicine, Children's Hospital Medical Center, Boston; Clinical Fellow in Pediatrics, Harvard University
1976-1981 - Research Associate, Laboratory of Molecular Biology, National Cancer Institute, NIH
1979-1980 - Visiting Scientist, Department for Connective Tissue Research, Max Planck Institute for Biochemistry, Martinsried bei Munchen, West Germany
1981-1983 - Research Associate, Laboratory of Developmental Biology and Anomalies, National Institute of Dental Research, NIH
1983-1992 - Senior Investigator, Laboratory of Pathology, National Cancer Institute, NIH
1992-2001 - Chief, Molecular Pathology Section, Laboratory of Pathology, National Cancer Institute, NIH
2001-2006 Guest Researcher, Laboratory of Pathology, NCI, NIH
2001-present Executive Officer, American Society for Investigative Pathology
2001-present Executive Officer, Association for Molecular Pathology
2001-present Managing Officer, Association of Pathology Chairs
2001-2002 Executive Officer, Universities Associated for Research and Education in Pathology
2001-present Executive Officer, Intersociety Council for Pathology Information
2001-2008 Executive Officer, Association for Pathology Informatics
2001-present Executive Officer, International Society for Biological and Environmental Repositories
2006-present Executive Officer, Pulmonary Pathology Society
2006-present Special Volunteer, Laboratory of Pathology, NCI, NIH

Licensure (Medicine & Surgery):

CURRICULUM VITAE (Cont'd)

#D20038 - Maryland
#184977 - New York

Uniformed Service:

1976-1983 - Surgeon, United States Public Health Service
1983-1990 - Senior Surgeon, United States Public Health Service
1990-2001 - Medical Director, United States Public Health Service

Societies:

American Association for the Advancement of Science
American Society for Investigative Pathology
American Society for Biochemistry and Molecular Biology
American Association for Cancer Research
Association for Molecular Pathology
American Society of Association Executives
United States and Canadian Academy of Pathology

Honors and Awards:

1969 - Phi Beta Kappa, Brandeis University
1969 - John Leslie Award, Brandeis University
1970 - Summa cum laude, Brandeis University
1970 - Michael Bokas Award, Brandeis University
1975 - Basic Sciences Achievement Award, Mount Sinai School of Medicine
1977 - Sigma Xi
1989 - PHS Commendation Medal
1991 - Saul J. Horowitz, Jr. Memorial Award, Mount Sinai School of Medicine
1995 - Alpha Omega Alpha, Mount Sinai School of Medicine
2000- Highman Lecturer, University of California at Sacramento
2006- Leadership Award, Association for Molecular Pathology

Study Sections, Advisory Committees, Editorial Boards and Boards of Directors:

1981-1984 - Member, Study Section, Arthritis Foundation
1983-1985 - Associate Editor, Journal of Orthopaedic Research
1986-1991 - Editorial Board, Calcified Tissue International
1987 - Member, Minority Recruitment Networking Task Force, National Cancer Institute
1988 - Member, Ad hoc, NIH Pathobiochemistry Study Section
1989 - Advisor, Programs Advisory Committee, NIDR
1989-2004 - Consultant, Molecular Pathology Committee, College of American Pathologists
1990-1995 - Chairman, Education Planning Committee, American Society for Investigative Pathology
1991-1993 - Member, Long Range Planning Committee, American Association of Pathologists
1991-1992 - Member, Research Grant Review Committee, American Cancer Society

CURRICULUM VITAE (Cont'd)

1992-1998 - Member, Area Committee on Molecular Methods, National Committee for Clinical Laboratory Standards

Study Sections, Advisory Committees, Editorial Boards and Boards of Directors (cont'd):

1994 - Member, Organizing Committee, Molecular Diagnostics Workshop, UAREP

1994-1995 - Director, Action Committee for the Association for Molecular Pathology

1994-1995 - Organizer, Stowell Symposium, Experimental Biology'95 Annual Meeting

1995-1998 - Member, Editorial Board, Current Review of Pathology

1996 - Member, ad hoc, NIDR, Oral Cancer Center Study Section

1996-2000 - Associate Editor, Diagnostic Molecular Pathology

1966- Member, Advisory Committee on Informed Consent, NHLBI

1996-1999 - Member, Ad hoc Pathology Consensus on Stored Tissue Committee, College of American Pathologists

1997-1998 - Chair, NIH Intramural Working Group on Studies Using Existing Human Samples or Data

1998-present- Member, Editorial Board, Laboratory Investigation

1999-2001- Member, Ad hoc Committee on Genetics and Medical Information Privacy, College of American Pathologists

1998-2001- Member, Trans-NIH Group on Issues Related to Human Specimen Resources

1998-2001- Member, Trans-NIH Bioethics Committee

1999- Site Visitor, New York State Education Department

2000-2001- NIH Representative, DHHS Working Group on Use of Human Biological Materials

2000-present Member, Editorial Board, Diagnostic Molecular Pathology

2000-2003 Member, Committee on Competency, American Board of Pathology

2001-2008 Board of Directors, Association for the Accreditation of Human Research Protection Programs

2002-2004 Member, Association of American Medical Colleges Council of Academic Societies Program Committee

2002- Organizer and Moderator, Symposium on Molecular Surgical Pathology: Studies in Wax, Annual Meeting of the United States and Canadian Academy of Pathology

2003-2004 Organizer and Chair, Symposium on Human Research Protections, Experimental Biology 2003 and 2004

2003-2007 Executive Committee, Association for the Accreditation of Human Research Protection Programs

2005-present Senior Executive Advisory Board, Archives of Pathology and Laboratory Medicine

2005- Member, Search Committee, Editor-in-Chief of FASEB Journal

2005-present Member, National Library of Medicine Working Group on the NIH Policy for Enhanced Public Access

2006-2007 Advisory Board, Washington G2 Reports Molecular Conference of 2007

2007- Member, PubMed Central National Advisory Committee of the National Library of Medicine

2008-present Member, FASEB Human Subjects Protections Advisory Committee

CURRICULUM VITAE (Cont'd)Elected Offices:

- 1995-1997 - Councilor, American Society for Investigative Pathology
- 1995-1997 - Secretary-Treasurer, Association for Molecular Pathology
- 1997-1998 - Vice President-elect, American Society for Investigative Pathology
- 1998 - President-elect, Association for Molecular Pathology
- 1998-1999 - Vice President, American Society for Investigative Pathology
- 1999- President, Association for Molecular Pathology
- 1999-2000 - President, American Society for Investigative Pathology
- 2003-2006 - Chair, Intersociety Pathology Council

Teaching:

- 1986 - Lecturer, Extracellular Matrix Modulation of Cell Function, Catholic University
- 1986 - Lecturer, Department of Biochemistry, Howard University
- 1987 - Co-director, Concepts in Molecular Biology Course, American Association of Pathologists
- 1988- 1999 - Director, Concepts in Molecular Biology Course, American Society for Investigative Pathology
- 1991 - Organizer, Molecular Pathology Workshop, Annual Meeting of Veterinary Pathologists
- 1994 - Faculty, University of Miami School of Medicine 19th Annual Review and Recent Practical Advances in Pathology
- 1996 - Visiting Professor, Emory University School of Medicine
- 1997 - Visiting Professor, Ball Memorial Hospital, Muncie, Indiana
- 1998 - Visiting Professor, Uniformed Services University of Health Sciences, Veterinary Department
- 1999 -2000 - Visiting Professor, George Washington University Medical School, Pathology Department
- 2002 - Course Director, Introduction to Molecular Biology, Annual Meeting of the Society for Nuclear Medicine
- 2003- Visiting Professor, University of Miami School of Medicine
- 2004- Guest Lecturer, Medical College of Wisconsin
- 2005- 2008 Faculty, Current Applications of Molecular Pathology: Diagnosis and Implications for Therapy in Tissue Samples, Madrid, Spain
- 2005- present Director, ASIP Journal Continuing Medical Education Program

Invited Keynote Lectures at National/International Meetings:

- 1985 - "Role of laminin receptor in metastasis," Annual Meeting of the Inter-American Society for Chemotherapy, Tampa, Florida
- 1986 - "Biochemical mechanisms of metastasis," Scientific Symposium of the 5th Anniversary of the Harrington Cancer Center, Amarillo, Texas
- 1987 - "Metastasis model systems," International Congress on Cancer Metastasis, Bologna, Italy

CURRICULUM VITAE (Cont'd)Invited Keynote Lectures at National/International Meetings (cont'd):

- 1988 - "Introduction to molecular biology," VII Congress of the International Pediatric Nephrology Association, Toronto, Canada
- 1990 - "Genes for metastasis," US-Japan Breast Cancer Workshop, Osaka, Japan
- 1990 - "Genes that suppress metastatic potential," 32nd Annual Scientific Meeting of the American Society for Therapeutic Radiology and Oncology, Miami, Florida
- 1991 - Laminin receptors in metastasis," Basement Membrane Conference, Airlie, VA
- 1992 - "Introduction to molecular biology in pathological anatomy", Danish Society of Pathological Anatomy and Clinical Cytology Annual Meeting, Esjberg, Denmark
- 1992 - "Development and assessment of potentially new molecular markers in breast cancer metastasis," Pisa Symposium in Oncology, Pisa, Italy
- 1993 - "Molecular inhibitors of cancer invasion and metastasis," Cellular, Molecular and Clinical Aspects of Squamous Cell Carcinomas, Glasgow, Scotland
- 1993 - "Genetic and biochemical mediation of tumor invasion and metastasis," 4th Annual Symposium of the Yonsei Cancer Research Institute, Seoul, Korea
- 1995 - "Differential expression of mRNAs in human cancers," European Congress of Pathology, Copenhagen, Denmark
- 1995 - "Molecular biology for the clinician," Society for Nuclear Medicine, Annual Meeting, Minneapolis, MN
- 1996 - "Perspectives on informed consent for genetic research on stored tissue samples," Association for Molecular Pathology, Annual Meeting, Baltimore, MD
- 1997 - "Molecular biology for the clinician," Society for Nuclear Medicine, Annual Meeting, San Antonio, TX
- 1997 - "Ethical issues in clinical and research studies using human samples," Association for Molecular Pathology Annual Meeting, San Diego, CA
- 1998 - "Ethics of genetic testing: role of the clinical laboratory," American Association for Clinical Chemistry Eighth Annual Clinical Chemistry Forum, Crystal City, VA
- 1999 - "Ethical issues in molecular pathology: paradigms in flux," College of American Pathologists Conference XXXIV: Molecular Pathology: Role in Improving Patient Outcome, Bethesda, MD
- 1999 - "Ensuring Patient Privacy and Informed Consent in Histocompatibility Laboratories," American Society for Histocompatibility and Immunogenetics Annual Meeting, New Orleans, LA
- 2000- "Approaches to Developing Molecular Markers for Solid Tumors," University of California at Davis, Davis, CA
- 2001- "Ethics of Genetic Testing in the Clinical Laboratory," Annual Beckman Conference, American Association for Clinical Chemistry, Newport Beach, CA
- 2001- "The Protection of Participants (Human Subjects) in Research: Use of Biological Materials," ASCO/NCI Scientific Symposium on Molecular Oncology for the Clinical Oncologist
- 2002- "Repositories in Clinical and Genetic Research," University of Washington Symposium on Clinical Research
- 2002- "Pharmacogenomics: Ethical and Social Issues," AACC Conference on Pharmacogenomics
- 2002- "Ethical Considerations in Molecular Diagnostics and Therapeutics," IBC Conference on the Interface: Molecular Diagnostics Meets Therapeutics"

Invited Keynote Lectures at National/International Meetings (cont'd):

CURRICULUM VITAE (Cont'd)

- 2002- "The Protection of Participants (Human Subjects) in Research: Use of Biological Materials," ASCO/NCI Scientific Symposium on Molecular Oncology for the Clinical Oncologist
- 2002- "Molecular Medicine in the Information Age: Ethical, Legal and Social Implications for Health Care in the 21st Century," Conferenza Nazionale sulle Biotecnologie e Presentazione dell'MGM, Istituto di Medicina e Genetica Molecolare
- 2003- "SNPs and Chips: The Future of Molecular Pathology in the Information Age," Southeast Association of Pathology Chairs Meeting, Key Biscayne, FL
- 2003- "SNPs and Chips: The Future of Pathology Practice and Research in the Information Age," University of Toronto, Toronto, Canada
- 2004- "The importance of tissue banking and tissue research," Conflicts of Interest, Privacy/Confidentiality, and Tissue Repositories, Boston, MA
- 2004- "The Power of Molecular Biological Techniques," Experimental Biology 2004, Washington, DC
- 2004- "Clinical impact of proteomics in surgical pathology of solid tumors," USCAP Annual Meeting, Vancouver, BC, Canada
- 2004- "Patenting, licensing, and universities: trends and implications," National Academy of Sciences, Washington, DC
- 2005- "Armed Forces Institute of Pathology Repository," Conference on the Future of the AFIP, Washington, DC
- 2005- "Human Biological Materials, HIPA and the Common Rule," National Cancer Institute Biospecimen Workshop June 23, 2005, Bethesda, MD
- 2005- "Technical and ethical approaches to molecular pathology: diagnosis, prognosis and implications for therapy," Madrid, Spain
- 2006- "Soft Tissue Sarcomas: Detection of Minimal Disease and Future Diagnostic Approaches," Madrid, Spain
- 2007- "Regulatory Aspects of Tissue Banking," Experimental Biology 2007, Washington DC
- 2007- Panel Discussion on the NIH Enhanced Public Access Policy, April 25, 2008, National Institute of Neurological Disorders and Stroke
- 2007- "NCI Best Practices for Biospecimen Resources," Biospecimen Best Practices Forum, June 18, 2007, National Cancer Institute, Bethesda, MD
- 2007- "Diagnostic and Therapeutic Potential of Small Nucleic Acid Molecules," Madrid, Spain
- 2008- "Utilization of clinical data and archived specimens in the global biobanking era: how to navigate legal, ethical and regulatory issues and implications for international exchanges," Association for Pathology Informatics Companion Meeting, May 21, 2008, Bethesda, MD
- 2008- Group Leader, Genotype-Tissue Expression (GTEx) Resource Workshop I, June 2-3, 2008, National Human Genome Research Institute, Rockville, MD
- 2008- "Molecular pathology for the practicing pathologist," Madrid, Spain

Patents:

CURRICULUM VITAE (Cont'd)

Sobel et al: Recombinant DNA Clone Encoding Laminin Receptor Patent #4,861,710;
granted August 29, 1989

Steeg et al: Diagnosis of Metastatic Potential of Tumors by the NM23 gene #5,049,662;
granted September 17, 1991.

Contact Information:

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