

## CURRICULUM VITAE

**Name:** Kenneth Manao Yamada, MD, PhD

**Date:** December 2007

**Citizenship:** United States

### Education:

1962-1966 BA, Biological Sciences, Stanford University, Palo Alto, California  
1966-1971 PhD, Biological Sciences, Stanford University, Palo Alto, California  
1966-1972 MD, Stanford University School of Medicine, Palo Alto, California

### Employment History:

1972-1973 Internship, Mary's Help Hospital/Seton Medical Center, Daly City, California  
1973-1974 Postdoctoral Fellow with Dr. James A. Weston, Department of Biology,  
University of Oregon, Eugene, Oregon  
1974-1976 Research Associate, U.S.P.H.S., Laboratory of Molecular Biology, National  
Cancer Institute, NIH, Bethesda, Maryland 20892  
1976-1977 Investigator (tenured) and Surgeon (rank) U.S.P.H.S., Laboratory of Molecular  
Biology, NCI, NIH, Bethesda, Maryland 20892  
1977-1982 Senior Surgeon (rank), U.S.P.H.S., Laboratory of Molecular Biology, NCI,  
NIH, Bethesda, Maryland 20892  
1980-1990 Chief, Membrane Biochemistry Section, Laboratory of Molecular Biology, NCI,  
NIH, Bethesda, Maryland 20892  
1983-2003 Medical Director (CAPT), U.S. Public Health Service  
1990-1996 Chief, Laboratory of Developmental Biology, National Institute of Dental  
Research, National Institutes of Health  
1996-2007 Chief, Craniofacial Developmental Biology and Regeneration Branch, National  
Institute of Dental and Craniofacial Research, NIH  
2007-present Chief, Laboratory of Cell and Developmental Biology, National Institute of  
Dental and Craniofacial Research, National Institutes of Health, Bethesda,  
Maryland 20892-4370

### Honors and Other Special Scientific Recognition:

Undergraduate: Phi Beta Kappa; Stanford Chapter of Sigma Xi Undergraduate  
Research Award; B.A. with Great Distinction

Medical School: Eli Luke and Jacob David Research Award (1972)

1979-1983 Member, NIH Cell Biology Study Section (Regular)  
1979-1990 External Advisory Committee, Howard University Cancer Research Center  
1980-1983 Board of Directors, Southeastern Cancer Research Association  
1982 Co-Chair, first Gordon Conference on Fibronectin and Integrins  
1988 Stadler Lecture, The University of Texas System Cancer Center,  
M.D. Anderson Hospital

1988	Swerling Lecture, Dana-Farber Cancer Institute, Harvard Medical School
1989	Listed as among the 250 most-cited scientists (authors of papers in all fields of science whose publications were cited most frequently for the arbitrary period of 1973-1984). In <i>The Scientist</i> , June 11, 1990 issue.
1991	Elected a Fellow of the American Association for the Advancement of Science
1992-1995	Elected to Council, American Society for Cell Biology
1994-1996,	Elected to Council, International Society for Matrix Biology
1997-1999, 1999-2001, 2001-2003, 2003-2006	
2000	Director's Exemplary Service Award
2002-present	Faculty of 1000
2003-present	Twice elected to Council, American Society for Matrix Biology
2003-present	ISI Highly Cited researcher
2004	American Society for Matrix Biology first Senior Lectureship Award
2005	Karolinska Institute Anders Retzius Lecture
2005	Awarded Honorary Membership in the Japanese Biochemical Society
2007	Leonardo Lecture, San Raffaele Research Institute, Milan, Italy

#### **Editorial Boards:**

1979-1989	Associate Editor, Journal of Cellular Physiology
1989-2002	Editor, Journal of Cellular Physiology
1981-1983	Editorial Board, The Journal of Cell Biology
1982-1987	Editorial Board, The Journal of Biological Chemistry
1984-1986	Editorial Board, Annual Review of Cell Biology
1985-1988	Editorial Board, The Journal of Cell Biology
&1989-1991	
1991-1998	Associate Editor, The Journal of Cell Biology
1999-present	Editor, The Journal of Cell Biology
1991-2001	Editorial Board, Journal of Craniofacial Genetics and Developmental Biology
1992-present	Editorial Board, Journal of Cell Science
1992-1998	Editorial Board, Proceedings of Society for Experimental Biology and Medicine
1993-present	Editorial Board, Molecular Membrane Biology
1993-2001	Editorial Board, Cell Adhesion and Communication
1993-present	Editorial Board, Cell Structure and Function
1993-1998	Editorial Board, Matrix Biology
1999-present	Associate Editor, Matrix Biology
1997-present	Editorial Board, Current Protocols in Cell Biology
2001-present	Editorial Board, Cell Communication and Adhesion
2003-present	Associate Editor, Journal of Cellular Physiology
2006-present	Editorial Committee, Annual Review of Cell and Developmental Biology

#### **Societies:**

Society for Developmental Biology  
 American Society for Cell Biology; Council member 1992-1995  
 American Society for Biochemistry and Molecular Biology  
 International Society for Matrix Biology; elected to Council 1994-1996, 1997-1999,  
 1999-2001, 2001-2003, and 2003-present  
 American Society for Matrix Biology; elected to Council 2003-present  
 American Association for the Advancement of Science  
 Society of Sigma Xi  
 International Association for Dental Research and American Association for Dental Research  
 Society of Craniofacial Genetics

**Service on Advisory and Policy Panels (since 1993):**

1991-1995	Chair, NIDR Tenure and Promotion Committee
1992-1993	NIH Intramural Research Liaison, Blue Ribbon Panel on Envisioning the Future of the NIDR Intramural Research Program
1992-1993	Member, Search Committee for Director, Intramural Research Program, NIDR
1992-1994	Primary member, NIH Intramural Scientists Procurement Advisory Committee
1993	Member, NIH committee to revise the "Guidelines for the Conduct of Research at the National Institutes of Health"
1993-1994	Member, NIDR Internal Advisory Committee
1994-1996	Charter Member, Central NIH Tenure Committee
1994	Member, Search Committee for Director, NIDR
1994	Member, Search Committee for Director, Division of Intramural Research, NIEHS
1995-present	Charter Member, NIH Senior Biomedical Research Service Policy Board
1995-1998	Member, NIDR Strategic Planning Steering Committee
1995	Chair, Search Committee for Clinical Director, NIDR
1996	Chair, Search Committee for Chief, Oral Infection and Immunity Branch, NIDR
1997	Chair, Senior Biomedical Research Service review committee for cell biology
1997	Member, Japan Society for the Promotion of Science NIH fellowship review committee
1997-1998	Member, Search Committee for Director, Division of Extramural Research, NIDCR
1997	Member, Harvard Medical School Dean's ad hoc review committee for promotion to Professor, Department of Medicine
1997-1998	Member, Program Committee, American Society for Cell Biology
1997-present	Member, NSF Scholars-in-Residence advisory committee
1998-present	Member, NIH Committee on Scientific Conduct and Ethics; Chair, subcommittee on guidelines for research misconduct inquiries
1999-present	Member, International Scientific Review Board, Department of Molecular Pathology and Medicine, San Raffaele Scientific Institute (DIBIT), Milan, Italy
1999	Member, NIH Special Emphasis Panel for review of grants from NIH study section members
1999-present	Charter Member, NIH Postdoctoral Fellow Awards Committee

1999 Member, Selection Committee for Clinical Director, NIDCR  
 2002 Ad hoc member, NIH Pathobiochemistry Study Section  
 2003 Member, NIH Special Emphasis Panel  
 2003 Member, NHLBI tenure track selection committee  
 2004 Member, Search Committee for Scientific Director, NIDCR  
 2004 Ad hoc member, NIH Pathobiochemistry Study Section  
 2004-present Executive Committee, NIH Assembly of Scientists  
 2006 Member, Nomination Committee, American Society for Cell Biology

**Other NIDCR Service and Functions (past 10 years):**

1994-2003 Acting Scientific Director, NIDCR, on ad hoc basis as requested  
 1994-present Chair, Gene Targeting Facility oversight committee  
 1994-present Member, DNA sequencing core oversight committee  
 1996-1999 Project Officer, NIDCR Contract N01-DE-62615 “Production of Antibodies to New Craniofacial Genes Relevant to Anomalies and Oral Cancers”  
 1996-present Member, Administrative oversight committee  
 1996-1997 Member, Performance Management Workgroup  
 1997 Co-organizer, Craniofacial Genetic Diseases and Disorders Workshop  
 1998 Symposium co-organizer: “Toward a Molecular Understanding of Craniofacial Morphogenesis: An International Symposium,” Bethesda, MD  
 1999 Organizing committee, NIDCR Genetics Work Group meeting  
 1999-2003 Project Officer, NIDCR Contract N01-DE-92630 “Novel Human Oral and Craniofacial Genes”  
 2002 Member, Search Committee for Principal Administrative Officer, DIR, NIDCR  
 2004 Member, Search Committee for Head, Sjögren’s Syndrome Clinic, NIDCR  
 2005 NIDCR Strategic Plan Working Groups for Craniofacial Developmental Biology and Bone Research; Saliva and Sjogren's Syndrome; and Biomimetics, Tissue Engineering, Nanotechnology, Biomaterials and Industry Relations  
 2007 Member, Search Committee for Deputy Director, DIR, NIDCR  
 2007 Member, NIDCR BSC Website Steering Committee

**Invited Conference and Symposium Presentations:**

(not including research seminars at NIH or universities, contributed presentations, declined invitations, or symposia/mini-symposia organized)

1974 Conference on The Neural Crest, NIH, Bethesda, MD  
 1975 Gordon Research Conference on Cell Contact and Adhesion  
 1976 Cell Proliferation and Atherosclerosis (Battelle), Seattle, WA  
 1976 Conference on Biochemistry of Cell Surfaces, NIH, Bethesda, MD  
 1977 New York Academy of Sciences Conference on Fibroblast Surface Protein  
 1978 Tissue Culture Association, Denver, CO  
 1979 Society for Developmental Biology  
 1979 Gordon Research Conference on Cell Contact and Movement  
 1979 American Society of Biological Chemists  
 1979 International Congress of Biochemistry  
 1979 ICN-UCLA Symposium on Cell Surfaces and Malignancy

1980 Gordon Research Conference on Structural Macromolecules--Collagen  
1980 Current Research Trends in Prenatal Craniofacial Development, NIH, Bethesda, MD  
1980 Cellular Adhesion Applied to Thrombosis and Haemostasis, Nice, France  
1980 Cellular Aggregation Phenomena in Multiple Sclerosis, NIH, Bethesda, MD  
1980 Tumor Cell Invasion, Alexandria, VA  
1981 ICN-UCLA Symposium on Cellular Recognition  
1981 American Society of Biological Chemists  
1981 Gordon Research Conference on Cell Adhesion, Movement, and Recognition  
1981 Colloquium of the Biochemical Society (England)  
1981 Cold Spring Harbor Conference on Cell Proliferation  
1981 American Society for Cell Biology  
1982 International Academy of Pathology  
1982 The Extracellular Matrix: Chemistry, Biology, Pathology--First National Meeting of  
Connective Tissue Societies  
1982 The Extracellular Matrix--Michigan Molecular Institute Symposium  
1982 The Structure and Regulation of Connective Tissue Genes, NIH, Bethesda  
1983 Gordon Research Conference on Structural Macromolecules--Collagen  
1983 Gordon Research Conference on Bones and Teeth  
1983 American Society for Developmental Biology  
1983 British Societies for Cell Biology and Developmental Biology, Aberystwyth, Wales,  
U.K.  
1984 American Society of Biological Chemists, St. Louis, MO  
1984 Extracellular Matrix: Structure and Function--UCLA Symposia on Molecular and  
Cellular Biology, Keystone, CO  
1984 International Congress on Cell Biology, Tokyo, Japan  
1984 Extracellular Matrix Macromolecules--Structure and Function, Tateshina, Japan  
1984 Fogarty International Center Series on Growth, Invasiveness and Metastasis of Cancer  
Cells, NIH  
1985 Gordon Research Conference on Fibronectin  
1985 American Society for Neurochemistry, Baltimore, MD  
1985 The Cell in Contact: Adhesions and Junctions as Morphogenetic Determinants, The  
Neurosciences Institute, New York, NY  
1985 Abel Symposium, Johns Hopkins University School of Medicine  
1985 Biology and Pathology of the Platelet--Vessel Wall Interactions, Rhone-Poulenc  
Sante-INSERM Symposium, Annecy, France  
1985 American Society for Cell Biology, Atlanta, GA  
1986 Fibronectin and Related Adhesive Proteins, EMBO Workshop, Camogli (Genoa), Italy  
1986 Glycoconjugates in Cell Interactions, Linderstrom-Lang Conference, Helsinki, Finland  
1986 Biology of Carbohydrates, Fogarty International Center, Bethesda, MD  
1986 American Society for Cell Biology (minisymposium), Washington, DC  
1987 Gordon Research Conference on Fibronectin and Related Proteins, Santa Barbara, CA  
1987 Structure and Function of Adhesion Molecules, The Neurosciences Institute, New  
York, NY  
1987 NIH Centennial Symposium on Cell Biology  
1988 U.S.-Japan Cancer Program, Meeting on Cancer Cell Membranes, Oahu, Hawaii  
1988 INSERM Conference on Adhesive Reactions and Cellular Functions, Seillac, France

- 1988 Joint Meeting of The American Society for Cell Biology and the American Society for Biochemistry and Molecular Biology (Symposium), San Francisco, CA
- 1989 Gordon Research Conference on Fibronectin and Related Molecules, Oxnard, CA
- 1989 FASEB Meeting Symposium on Matrix Proteins and Receptors, New Orleans, LA
- 1989 Cell Adhesion and Metastasis, University of Southampton, England
- 1990 UCLA Symposium on Molecular Basis of Cell Adhesion, Steamboat Springs, CO
- 1990 American Association of Pathologists Minisymposium on Cell-Matrix Interactions, Washington, DC
- 1990 Joint Meeting of the American Society for Biochemistry and Molecular Biology and the American Association of Immunology (Symposium), New Orleans, LA
- 1990 Third International Conference on Molecular Biology and Pathology of Matrix, Philadelphia, PA
- 1990 FASEB Summer Research Conference on Molecular Aspects of Metastasis, Saxtons River, VT
- 1990 Symposium on Cell Adhesion Molecules: Role in Development and Immunity, NIH Research Festival '90
- 1990 Japanese Society for Cell Biology, Tokyo, Japan
- 1991 Gordon Research Conference on Fibronectin, Oxnard, CA; speaker and Discussion Leader
- 1991 American Society for Biochemistry and Molecular Biology, Symposium on Cell Adhesion and Communication, Atlanta, GA
- 1991 Biochemical Society of Great Britain, Manchester, England
- 1991 15th International Congress of Biochemistry, Jerusalem, Israel
- 1992 Fourth International Conference on Chemistry and Biology of Mineralized Tissues, Coronado, CA; speaker and session chair
- 1992 American Society of Biochemistry and Molecular Biology/Biophysical Society Symposium on Extracellular Matrix and Cell Adhesion; organizer and speaker
- 1992 Analysis of Development Research Workshop, University of Pennsylvania and Wistar Institute
- 1992 Keystone Symposium on Integrins: Cell Adhesion and Transmembrane Communication in Development and Disease, Keystone, CO
- 1992 Cold Spring Harbor Symposium on The Cell Surface
- 1992 5th International Congress on Cell Biology, Symposium on Cell Adhesion and Cell Behavior, Madrid, Spain
- 1992 NIH Research Festival Symposium on The Extracellular Matrix in Development and Pathology; co-organizer and speaker
- 1992 American Society for Cell Biology, Minisymposium on Structure and Function of Extracellular Matrix, organizer and Chair
- 1992 40th Annual Meeting of the Japanese Association for Dental Research, Special Lecture, Tokyo, Japan
- 1993 Fibronectin Gordon Research Conference, Oxnard, CA; speaker and Discussion Leader
- 1993 Joint Session, Keystone Symposia on Progress in Basic Research of Wound Repair and on Extracellular Matrix in Development
- 1993 Craniofacial Morphogenesis Workshop, Iowa City, IA
- 1993 Carolina Conference on Integrins and Cell Signaling, Chapel Hill, NC

- 1993 American Society of Bone and Mineral Research symposium on Cell-Matrix Interactions, Tampa, FL
- 1993 3rd International Conference on Eicosanoids and Other Bioactive Lipids in Cancer, Inflammation and Radiation Injury, Washington, DC
- 1994 13th International Congress on Oral Biology: Tissue Repair, Victoria, BC, Canada
- 1994 American Association for Cancer Research, Symposium on "Cell Adhesion in Invasion and Metastasis"
- 1994 UCSF Research Center in Oral Biology Symposium on "Morphogenesis and Remodeling of Connective Tissues," San Francisco, CA
- 1994 University of Southern California Center for Craniofacial Molecular Biology Symposium on "Craniofacial Malformations: Towards a Molecular Understanding of Development," Los Angeles, CA
- 1994 16th International Congress of Biochemistry and Molecular Biology, Symposium on Extracellular Matrix, New Delhi, India
- 1995 Gordon Research Conference on Fibronectin, Integrins, and Related Molecules
- 1995 Gordon Research Conference on Biological Structure and Gene Expression
- 1995 International Association for Dental Research Symposium on "Adhesion Molecules and the Pathogenesis of Oral and Maxillofacial Diseases," Singapore
- 1996 Keystone Symposium on "Integrins and Signaling Events in Cell Biology and Disease," Keystone, CO
- 1996 Keystone Symposium on "Wound Repair in Context," Taos, NM
- 1996 Keystone Symposium on "Cell Migration," Santa Fe, NM
- 1996 American Association for the Advancement of Science Symposium: "Molecular Medicine Enters the Mouth," Baltimore, MD
- 1996 American Physiological Society, Symposium: "Integrins in Vascular Biology," Washington, DC
- 1996 Joint meeting of the American Society for Biochemistry and Molecular Biology, American Society for Investigative Pathology, and the American Association of Immunologists: Symposium on "Extracellular Matrix, Integrins, and Cell Growth and Differentiation," New Orleans, LA
- 1996 Conference on "Salivary Gland Biogenesis and Function," Airlie, VA
- 1996 Sixth World Congress for Microcirculation Symposium on "The Extracellular Matrix as a Modulator of Vascular Growth," Munich, Germany
- 1997 Gordon Research Conference on Fibronectin, Integrins, and Related Molecules, Ventura, CA
- 1997 Keystone Symposium on "Signal Transduction by Cell Adhesion Receptors," Keystone, CO
- 1997 INSERM-Institut Federatif de Recherche Conference on "Molecular and Cellular Basis of the Interactions between Epithelial Cells and the Extracellular Matrix: Role of Adhesion Proteins," Paris, France
- 1997 New York Academy of Sciences Conference on "Morphogenesis: Cell-Cell and Cell-Matrix Interactions," Bethesda, MD
- 1997 Third International Colloquium on "Cellular Signal Recognition and Transduction," Berlin, Germany

- 1997 American Society for Cell Biology, Symposium on “The Role of ECM and Integrins in Regulating Higher Order Structure and Gene Expression,” Washington, DC
- 1998 SmithKline Beecham Symposium on “Integrins at the Millennium,” King of Prussia, PA
- 1998 The Molecular Mechanisms of Cellular Motility, Boulder, CO
- 1998 5<sup>th</sup> International Workshop on Scleroderma Research, Keynote Lecture
- 1998 Third Congress of the Asian Pacific Organization for Cell Biology, “From Molecules to Man: Frontiers in Cell Biology,” Plenary Lecture, Osaka, Japan
- 1998 10<sup>th</sup> Annual International Conference of the International Society of Differentiation, Symposium on “Cell Signaling by Extracellular Matrix,” Houston, TX
- 1998 5<sup>th</sup> International Union of Biochemistry and Molecular Biology (IUBMB) Conference on the Biochemistry of Health and Disease, Symposium on “Cell-Matrix Interaction and Diseases, Jerusalem, Israel
- 1999 Gordon Conference on “Fibronectin, Integrins, and Related Molecules,” Ventura, CA, Discussion leader and speaker
- 1999 Gordon Conference on “Salivary Glands and Saliva,” Ventura, CA, Discussion leader and speaker
- 1999 International Association for Dental Research Symposium on “Dental and Craniofacial Research in the Post-Genome-Project Era,” Vancouver, British Columbia
- 1999 IBC Conference on “Integrins,” Special Lecture, Boston, MA
- 1999 Cancer Research Campaign/Association for International Cancer Research Beatson International Cancer Conference on “Invasion and Metastasis”
- 2000 Keystone Symposium on “Joint Regulation of Signaling Pathways by Integrins and Growth Factors,” Breckenridge, Colorado
- 2000 Gordon Conference on “Signal Transduction by Engineered Extracellular Matrices”
- 2000 Gordon Conference on “Signaling by Adhesion Receptors,” Newport, RI
- 2000 University of Washington Engineered Biomaterials Scientific Symposium 2000: Matricellular Proteins in Biology and Engineered Biomaterials, Seattle, WA
- 2001 Gordon Conference on “Fibronectin, Integrins and Related Molecules,” Ventura, CA
- 2001 Gordon Conference on “Salivary Glands and Saliva,” Ventura, CA
- 2001 Keystone Symposium on “Cell Migration and Invasion,” Tahoe City, CA
- 2001 The Cytoskeleton and Human Disease, Marseille, France
- 2001 American Association for Cancer Research Symposium on “Force, Function, and Form,” New Orleans, LA
- 2002 International Association for Dental Research Symposium on Salivary Gland Development, San Diego, CA
- 2002 2<sup>nd</sup> International Symposium on Extracellular Matrix, introductory keynote lecture, Angra dos Reis, Brazil
- 2002 “Molecular Scaffolding and Signaling at Cell Contacts,” Paris, France
- 2003 Keystone Symposium on “Cell Migration and Invasion,” Breckenridge, CO
- 2003 Gordon Conference on “Fibronectin, Integrins and Related Molecules,” Ventura, CA
- 2003 The Neural Crest: New Perspectives on Lineage and Morphogenesis, Mt. Hood, OR
- 2003 National Cancer Institute Metastasis Working Group retreat (invited evening lecture)
- 2003 NSF-NIH National Nanotechnology Initiative Workshop on NanoBiotechnology



- (plenary speaker), Washington, DC
- 2003 NHRI Symposium on Signal Transduction, Taiwan
- 2003 5<sup>th</sup> International Symposium on Biomimetic Interfaces, Seoul, Korea
- 2004 International Association for Dental Research Symposium on “Oral and Systemic Diseases: Current and Future Indications,” Honolulu, Hawaii
- 2004 American Association for Cancer Research Symposium on “Outside-In Signaling in Cancer,” Orlando, FL
- 2004 Gordon Conference on “Signaling by Adhesion Receptors” speaker and session discussion leader, Bristol, RI
- 2004 American Society for Matrix Biology 2<sup>nd</sup> National Meeting Plenary Session on “Regenerative Medicine and Organogenesis” session chair and speaker
- 2005 Gordon Conference on “Fibronectin, Integrins and Related Molecules” speaker and session discussion leader, Ventura, CA
- 2005 MD Anderson Cancer Center Special Symposium on Phage Genetics, Matrix, Biology, Development and Cancer, Houston, TX
- 2005 The American Society for Cell Biology 2005 Summer Meeting on Engineering Cell Biology–The Cell in Context, Seattle, WA
- 2005 European Research Group for Oral Biology (ERGOB) conference “Facing the Future–Challenges in Oral Biology,” Geneva, Switzerland
- 2005 78<sup>th</sup> annual meeting of the Japanese Biochemical Society, Special Lecture, Kobe, Japan
- 2006 Gordon Conference on “Craniofacial Morphogenesis and Tissue Regeneration,” Ventura, CA
- 2006 20<sup>th</sup> IUBMB International Congress of Biochemistry and Molecular Biology, Kyoto, Japan
- 2006 University of California Systemwide Bioengineering Symposium, keynote speaker, Los Angeles, CA
- 2006 Gordon Conference on “Signal Transduction by Engineered Extracellular Matrices,” New London, CT
- 2006 American Society for Cell Biology Symposium on “Coordination of Adhesion and Migration,” 46<sup>th</sup> Annual Meeting, San Diego, CA
- 2007 Gordon Conference on “Salivary Glands and Exocrine Secretion,” opening keynote lecture, Ventura, CA
- 2007 Gordon Conference on “Fibronectin, Integrins & Related Molecules,” Barga, Italy
- 2007 American Society for Cell Biology Special Interest Subgroup Meeting on Cell Matrix Interactions, 47<sup>th</sup> Annual Meeting, Washington, DC

### **Bibliography:**

1. Yamada, K.M., Spooner, B.S., and Wessells, N.K. Axon growth: Roles of microfilaments and microtubules. *Proc. Natl. Acad. Sci. USA* 66: 1206-1212, 1970.
2. Yamada, K.M. Microfilaments and microtubules: Roles in axon elongation and cell movement. Ph.D. Dissertation, Stanford University. 1971.
3. Yamada, K.M., Spooner, B.S., and Wessells, N.K. Ultrastructure and function of growth cones and axons of cultured nerve cells. *J. Cell Biol.* 49: 614-635, 1971.

4. Spooner, B.S., Yamada, K.M., and Wessells, N.K. Microfilaments and cell locomotion. *J. Cell Biol.* 49: 595-613, 1971.
5. Yamada, K.M. and Wessells, N.K. Axon elongation: Effect of nerve growth factor on microtubule protein. *Exp. Cell Res.* 66: 346-352, 1971.
6. Wessells, N.K., Spooner, B.S., Ash, J.F., Bradley, M.O., Luduena, M.A., Taylor, E.L., Wrenn, J.T., and Yamada, K.M. Microfilaments in cellular and developmental processes. *Science* 171: 135-143, 1971.
7. Yamada, K.M. and Wessells, N.K. Cytochalasin B: Effects on membrane ruffling, growth cone and microspike activity, and microfilament structure not due to altered glucose transport. *Develop. Biol.* 31: 413-420, 1973.
8. Yamada, K.M. and Weston, J.A. Isolation of a major cell surface glycoprotein from fibroblasts. *Proc. Natl. Acad. Sci. USA* 71: 3492-3496, 1974.
9. Yamada, K.M. and Weston, J.A. The synthesis, turnover, and artificial restoration of a major cell surface glycoprotein. *Cell* 5: 75-81, 1975.
10. Yamada, K.M., Yamada, S.S., and Pastan, I. The major cell surface glycoprotein of chick embryo fibroblasts is an agglutinin. *Proc. Natl. Acad. Sci. USA* 72: 3158-3162, 1975.
11. Yamada, K.M. Book Review: Readings in Mammalian Cell Culture. Edited by R. Pollack. *Quart. Rev. Biol.* 50: 78-79, 1975.
12. Yamada, K.M., Yamada, S.S., and Pastan, I. Cell surface protein partially restores morphology, adhesiveness, and contact inhibition of movement to transformed fibroblasts. *Proc. Natl. Acad. Sci. USA* 73: 1217-1221, 1976.
13. Yamada, K.M., Ohanian, S.H., and Pastan, I. Cell surface protein decreases microvilli and ruffles on transformed mouse and chick cells. *Cell* 9: 241-245, 1976.
14. Yamada, K.M. and Pastan, I. Cell surface protein and neoplastic transformation. *Trends in Biochem. Sci.* 1: 222-224, 1976.
15. Yamada, K.M. and Pastan, I. The relationship between cell surface protein and glucose and  $\alpha$ -aminoisobutyrate transport in transformed chick and mouse cells. *J. Cell. Physiol.* 89: 827-830, 1976.
16. Pastan, I., Willingham, M., Yamada, K., Pouyssegur, J., and Davies, P. Biochemical basis of the morphologic phenotype of transformed cells. In *International Cell Biology 1976-1977*. Edited by B.R. Brinkley and K.R. Porter. New York: Rockefeller University Press, pp.161-167, 1977.
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19. Yamada, K.M. Cell morphogenetic movements. In *Handbook of Teratology*, vol. 2. Edited by J.G. Wilson and F.C. Fraser. New York: Plenum, pp.199-230, 1977.
20. Yamada, K.M., Yamada, S.S., and Pastan, I. Quantitation of a transformation-sensitive, adhesive cell surface glycoprotein: Decrease on several untransformed permanent cell lines. *J. Cell Biol.* 74: 649-654, 1977.
21. Schlessinger, J., Barak, L.S., Hammes, G.G., Yamada, K.M., Pastan, I., Webb, W.W., and Elson, E.L. Mobility and distribution of a cell surface glycoprotein and its interaction with other membrane components. *Proc. Natl. Acad. Sci. USA* 74: 2909-2913, 1977.
22. Olden, K. and Yamada, K.M. Mechanism of the decrease in the major cell surface protein of chick embryo fibroblasts after transformation. *Cell* 11: 957-969, 1977.
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27. Yamada, K.M., Olden, K., and Pastan, I. Transformation-sensitive cell surface protein: Isolation, characterization, and role in cell morphology and adhesion. *Ann. N.Y. Acad. Sci.* 312: 256-277, 1978.
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Other activities:

2/27/08 NIH Branding Focus Group to define for NIH management employment opportunities within the NIH to communicate to potential NIH employees.