

## **CURRICULUM VITAE**

### **ROBERT D. GOLDMAN**

Title: Professor of Cell and Developmental Biology  
The Stephen Walter Ranson Professor Emeritus

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### **EDUCATION**

University of Vermont	B.A., M.S.	1961, 1963	Zoology
Princeton University	M.A., Ph.D.	1967	Biology
Royal Postgraduate Med. School, London	Postdoctoral	1968	Enzyme Cytochem.
MRC Institute of Virology, Glasgow	Postdoctoral	1969	Cell Biology

### **MAJOR RESEARCH INTERESTS**

Cell Biology: Cytoskeleton, Intermediate Filaments, Nuclear Lamins and Nuclear Architecture.

### **PROFESSIONAL EXPERIENCE**

Professor of Cell and Developmental Biology, Stephen Walter Ranson Professor Emeritus, Feinberg School of Medicine, Northwestern University, 2019-present.  
The Stephen Walter Ranson Professor and Chairman, Department of Cell and Molecular Biology, Feinberg School of Medicine, Northwestern University, 1994-10/2019.  
The Stephen Walter Ranson Professor and Chairman, Department of Cell, Molecular and Structural Biology, Feinberg School of Medicine, Northwestern University, 1989-1994.  
The Stephen Walter Ranson Professor and Chairman, Department of Cell Biology and Anatomy, Feinberg School of Medicine, Northwestern University, 1981-1989.  
Founding Director, Science Journalism Program, Marine Biological Laboratory, Woods Hole MA 1990-2008.  
Director, Physiology Course, Marine Biological Laboratory, 1983-1988.  
Program Leader, Cell Biology, Northwestern University Cancer Center, 1981-1991.  
Instructor, Physiology Course, Marine Biological Laboratory, 1981-1983.  
Summer Investigator, Marine Biological Laboratory, 1977-Present.  
Professor of Biological Sciences, Carnegie-Mellon University, 1977-1981.  
Associate Professor of Biological Sciences, Carnegie-Mellon University, 1973-1976.  
Visiting Scientist, Cell Biology, Cold Spring Harbor Laboratory, 1973-1974.  
Visiting Scientist, Imperial Cancer Research Fund Laboratories, London, with Dr. M. Stoker on enucleated cells, Summer 1973.  
Instructor, Animal Cell Course, Cold Spring Harbor Laboratory, 1973.  
Assistant Professor of Biology, Case Western Reserve University, 1969-1973.

American Cancer Society, Eleanor Roosevelt Postdoctoral Fellow at the Medical Research Council Institute of Virology, Glasgow, Scotland, 1967-1969. Worked in collaboration with Prof. J.H. Subak-Sharpe and Dr. E.A.C. Follett.

American Cancer Society, Eleanor Roosevelt Postdoctoral Fellow at the Royal Postgraduate Medical School, London, England, 1967-1968. Worked in collaboration with Prof. A.G.E. Pearse in the Department of Histochemistry.

Investigator with Dr. A. Forer at the Scottish Marine Biological Station, Millport, Scotland, 1967-1968.

John Sterry Fellow and NIH National Institutes of Health Predoctoral Fellow, Princeton University, 1963-1967. Worked under Dr. L.I. Rebhun on the morphology and properties of the isolated mitotic apparatus at Princeton and at the Marine Biological Laboratory.

Research Assistant to Professor A.K. Parpart, Marine Biological Laboratory, Summer 1962.

### **FELLOWSHIPS, HONORS AWARDED**

The John Sterry Fellow and Nat'l Institutes of Health Predoctoral Fellow, Princeton, 1963-67.

American Cancer Society, Eleanor Roosevelt Postdoctoral Fellow, 1967-69.

Damon Runyon Fellowship, 1967 (declined)

National Institutes of Health Research Career Award, 1972.

Fellow of the American Association for the Advancement of Science, 1988.

MERIT Award, National Institute for General Medical Sciences, 1999-2009.

Ellison Foundation Senior Scholar 2004-2008.

Elected foreign member Finnish Society for Sciences and Letters 2015.

Awarded the title of Doctor of Medical Sciences, *honoris causa* from Charles University, Prague 2018

### **INVITATIONS TO SPEAK: SYMPOSIA, SEMINARS AND SPECIAL LECTURES**

- 1972 - Cold Spring Harbor Symposium on Quantitative Biology, Muscle Contraction.  
CIBA Foundation Symposium on Locomotion of Tissue Cells.  
International Liquid Crystal Conference, Biology Section.  
Cell Biology Meeting, Motility Workshop.
- 1974 - Biophysical Society Contractility Group.  
Cold Spring Harbor Symposium on Quantitative Biology, Tumor Viruses.
- 1975 - Histochemical Society Symposium on Microfilaments.  
Co-organizer (with T. Pollard and J. Rosenbaum), Cold Spring Harbor Conference on Cell Motility.  
Symposium on Cytoplasmic Contractile Proteins and Cell Motility. Cell Biology Meeting (San Juan).  
Symposium on Microtubules, Belgian Society for Cell Biology.  
Mini-Symposium on Microtubules and Microfilaments, Washington University, St. Louis.
- 1976 - Squaw Valley (UCLA-INC) Conference on Cell Shape and Molecular Architecture.
- 1977 - Cold Spring Harbor Workshop on Cell Transformation.
- 1978 - Society for Experimental Biology Symposium on Microtubules, Reading, England.  
Battelle-Seattle Research Center Symposium on Disorders of Cell Membranes and Receptors.  
Cold Spring Harbor Workshop on Cytoskeleton and Contractile Protein Networks in Non-Muscle Cells.  
Special Visiting Lecturer in Physiology, School of Medicine, University of St. Andrews, Scotland. Series of nine lectures on Cell Motility.  
Department of Biology, University of Cincinnati.

Medical Research Council, Biophysics Research Unit, Kings College, London.  
Freidrich-Miescher Institute, CIBA-Geigy Corp., Basel, Switzerland.  
Wallenberg Laboratory, University of Uppsala, Uppsala, Sweden.  
Medical Research Council Laboratory of Molecular Biology, Cambridge, England.

- 1979 - Symposium on Cellular Motility, Biophysical Society Meeting.  
Canadian National Cancer Institute, Workshop on the Cytoskeletal Changes in Tumor Cells.  
Cytoskeleton Meeting, Cold Spring Harbor Laboratory.  
Gordon Research Conference on Cell Locomotion.  
Workshop on the Cytoskeleton in the Nervous System, Neuroscience Study Program, MIT.  
Guest Lecturer, Marine Biological Laboratory course in Light Microscopy.  
Department of Biological Sciences, University of Pittsburgh.  
Department of Anatomy, University of Pittsburgh, School of Medicine (2 lectures).  
Department of Biochemistry, University of Arizona, Tucson.  
Department of Anatomy and Cell Biology, University of Iowa.  
Graduate Program in Cellular and Molecular Biology, Case Western Reserve School of Medicine.  
Cancer Research Center, School of Medicine, University of North Carolina, Chapel Hill.  
Department of Cell Biology, School of Medicine, New York University.  
Animal Cell Culture Course, Cold Spring Harbor Laboratory.  
Physiology Course, Marine Biological Laboratory, Woods Hole MA.  
Department of Biochemistry, Northwestern University.  
Light Microscopy Course, Marine Biological Laboratory (lecture and demonstration).
- 1980 - Symposium on Intermediate Filaments, 2nd International Congress on Cell Biology, Berlin.  
2nd International Symposium on Microtubules, Janssen Pharmaceutical, Antwerp.  
Symposium, Intermediate Filaments, American Society for Cell Biology, Cincinnati.  
Symposium on Muscle and Non-Muscle Motility, University of Texas Medical Center, Dallas.  
Symposium on the Cytoskeleton, University of California, Berkeley.  
Department of Biochemistry, University of Iowa.  
Department of Biochemistry, School of Medicine, University of West Virginia.  
Division of Biological Sciences, University of Michigan, Ann Arbor.  
Department of Biology, Dartmouth College.  
Department of Biochemistry, Penn State University.  
Department of Molecular Biology, Albert Einstein College of Medicine, Bronx NY.  
Sigma Xi Lecture, Pittsburgh Chapter.  
Department of Anatomy and Cell Biology, Cornell University, School of Medicine.  
Department of Neurosciences, University of California at San Diego.  
Department of Cell Biology Lecture, Freshman Medical School Class, Yale University.  
Department of Biology, Yale University.  
Department of Physical Biology, Cornell School of Veterinary Medicine (series of 5 lectures to Freshman Class).  
Department of Physiology, Cornell University.  
Marine Biological Laboratory Microscopy Course immunofluorescence techniques and lectures.
- 1981 - Cytoskeletal Symposium, Tables Rondes Roussel UCLAF, Paris.  
Cold Spring Harbor Symposium on Quantitative Biology, The Molecular Structure of Cytoplasm.  
New York Heart Association Public Affairs Symposium.

- University of Illinois, School of Medicine, Distinguished Lecture Series.  
 Department of Biochemistry, Penn State.  
 Series of 3 lectures on Modern Cell Biology for Westinghouse Executives sponsored by  
 Carnegie-Mellon Business School.  
 Department of Biology, York University, Toronto.  
 Department of Molecular Biology, University of Wisconsin, Madison.  
 Searle Leadership Lecture, Northwestern University, Chicago.  
 Physiology Course, Marine Biological Laboratory, Woods Hole MA (2 lectures).
- 1982 - Symposium on the Mechanism of Cell Movement, sponsored by the Science Council  
 on Ministry of Education, Science and Culture, Okazaki, Japan.  
 Gorton Scott Neurobiology Symposium, Wayne State University Medical School.  
 Visiting Lecturer, Special Course on the Cytoskeleton, Department of Pathology,  
 Medical School, University of Washington, Seattle (2 lectures).  
 Guest Lecturer, Graduate Cell Biology Course, University of Chicago (3 lectures).  
 Department of Biochemistry, Molecular and Cell Biology, Northwestern University.  
 Department of Anatomy, SUNY State University of New York Medical School,  
 Buffalo.  
 Department of Biology, University of Rochester.  
 Institute for Molecular Biology, Nagoya University, Japan.  
 Department of Biology, Osaka University, Japan.  
 Department of Anatomy, University of Tokyo.  
 Physiology Course, Marine Biological Laboratory, Woods Hole MA (2 lectures).  
 Department of Biology, University of Chicago (series of 3 lectures).  
 Department of Zoology, University of Iowa.
- 1983 - Symposium on The Cytoskeleton in Health and Disease, Federation Meeting,  
 sponsored by the American Association of Pathologists.  
 Gordon Research Conference on Cell Motility, Adhesion and the Cytoskeleton.  
 Third Athens Conference on Electron Microscopy, Athens, Greece.  
 European Cytoskeletal Symposium, Siena, Italy.  
 American Association for the Study of Liver Disease Symposium, Chicago.  
 American Academy of Dermatology Symposium on Basic Science, Chicago.  
 Department of Biophysics and Theoretical Biology, University of Chicago.  
 Diagnostic Division, Abbott Laboratories.  
 Department of Anatomy, The Chicago Medical School.  
 Department of Anatomy, Loyola School of Medicine.  
 Department of Biology, University of Virginia.  
 Department of Biological Sciences, University of Illinois at Chicago.  
 Division of Cell Biology, Worcester Foundation.  
 Department of Pathology, University of Geneva, Switzerland.  
 Physiology Course, Marine Biological Laboratory, Woods Hole MA (2 lectures).
- 1984 - Symposium European Artery Club, Geneva.  
 New York Academy of Sciences Symposium on Intermediate Filaments.  
 16th Rochester International Conference on Environmental Toxicity, University of  
 Rochester. Plenary Lecture (could not attend due to illness).  
 International Congress on Cell Biology, Tokyo.  
 Yamada Conference on Cell Motility II, Mechanism and Regulation, Osaka, Japan.  
 Symposium on the Cytoskeleton, American Society for Cell Biology Meeting, Kansas  
 City.  
 Department of Pathology, Rush-Presbyterian-St. Luke's Medical Center, Chicago.  
 Department of Pathology, Cambridge University, Cambridge, England.  
 Department of Cell Biology, University of Glasgow, Scotland.  
 Physiology: Cell and Molecular Biology Course, Marine Biological Laboratory, Woods  
 Hole MA (2 lectures).  
 Department of Cell Biology and Genetics, University of Minnesota, St. Paul.

- Arthritis and Connective Tissue Diseases Group, Children's Hospital, Chicago.  
 Department of Neurosurgery, University of Vermont, School of Medicine, Burlington.  
 Graduate Program in Basic Science, Medical College of South Carolina, Charleston.
- 1985 - National Cancer Institute, Bethesda MD.  
 American Society for Cell Biology Minisymposium on Cell Adhesion, Atlanta.  
 Division of Cell Biology, Sclavo Drug Company, Siena, Italy.  
 Naples Zoological Station, Naples, Italy.  
 Rush-Presbyterian-St. Luke's Medical School, Department of Physiology, Chicago.  
 Physiology Course, Marine Biological Laboratory, Woods Hole MA (2 lectures).  
 Department of Anatomy, Harvard Medical School, Cambridge.  
 Third International Conference on Microtubules and Microtubule Inhibitors, Janssen  
 Pharmaceutical, Brussels.  
 International Symposium on Oral Diseases Conference, University of Iowa.  
 Review and Update in Neurology for Neurosurgeons Course, Marine Biological  
 Laboratory, Woods Hole MA.  
 Department of Pathology and Cell Biology Program, University of Vermont,  
 Burlington.  
 Symposium on Alzheimer's Disease, Electron Microscope Society of America,  
 Louisville.  
 Division of Biological and Medical Research, Argonne National Laboratory.  
 Department of Biological Sciences, Dartmouth College.
- 1986 - CIBA Symposium on Epithelial Junctions, London.  
 British Society for Cell Biology Symposium on the Organization of Cytoplasm,  
 Norwich, UK.  
 Department of Biochemistry, Indiana University, Northwest Center for Medical  
 Education, Gary.  
 Department of Physiology, University of Illinois, Chicago.  
 Department of Pharmacology, University of Chicago.  
 Department of Molecular Biology, Albert Einstein School of Medicine, Bronx NY.  
 Guest Lecturer, Albert Einstein Graduate Course in Molecular Oncology, Bronx NY.  
 Beatson Institute of Cancer Research, Glasgow.  
 Medical Research Council Research Lab, Mill Hill, London.  
 Medical Research Council Biophysics Unit, Kings College.  
 Lecture Series on Use of Cell Biological Methods, two-day course for pathologists,  
 Siena, Italy.  
 40th Anniversary Tissue Culture Association Symposium on the Cytoskeleton, Hershey  
 PA.  
 Fogarty International Symposium on Intermediate Filaments, NIH, Bethesda MD.  
 Seminar, Department of Biology, University of Kansas.  
 Physiology Course, Marine Biological Laboratory, Woods Hole MA (2 lectures).
- 1987 - Department of Biological Chemistry and Structure, Chicago Medical School, North  
 Chicago.  
 Department of Cell Biology and Neuroanatomy, University of Minnesota.  
 Canadian Society for Cell Biology Workshop on Cytoskeleton and Nuclear Matrix,  
 Quebec.  
 The University of Texas System Cancer Center, M.D. Anderson Hospital and Tumor  
 Institute, Houston.  
 Department of Biology, University of Kentucky, Lexington.  
 Two Lectures, Cell Biological Applications in Pathology, Sclavo Research Center,  
 Siena, Italy.  
 National Institute of General Medical Sciences Advisory Council Symposium on Cell  
 and Molecular Biology.  
 Graduate Program in Cell and Molecular Biology, University of Massachusetts,  
 Amherst.

- Physiology Course, Marine Biological Laboratory, Woods Hole MA (2 lectures).  
 Gordon Research Conference on Epithelial Differentiation and Keratinization, Tilton NH.  
 International Psychogeriatric Conference, Chicago.  
 International Meeting on the Biology of Wool and Hair, Australian National Academy Meeting, Adelaide, South Australia.  
 Friday Night Lecture Introduction, Dr. L. Tilney, Marine Biological Laboratory, Woods Hole MA.
- 1988 - Groves Memorial Lecturer, University of Kentucky School of Medicine, Lexington.  
 Symposium, American Gastroenterological Association, New Orleans.  
 Lecture on the Cytoskeleton for Anatomical Pathologists, Sclavo Research Center, Siena, Italy.  
 Department of Pathology, University of Geneva, Switzerland.  
 Physiology: Cell and Molecular Biology Course, Marine Biological Laboratory, Woods Hole MA (2 lectures).  
 Friday Night Lecture Introduction, Shinya Inoue in Honor of Keith Porter, Marine Biological Laboratory, Woods Hole MA.  
 Gordon Conference on Cell Motility and Cytoskeletal Dynamics, Tilton NH.  
 Molecular and Cellular Biology of Intermediate Filaments, Satellite Meeting, International Congress of Cell Biology, Montreal.  
 Department of Cell Biology, Albert Einstein College of Medicine, Bronx NY.  
 Work-in-Progress Seminar Series, Oklahoma Research Foundation, Oklahoma City.  
 Department of Molecular and Cellular Biology, University of Arizona, Tucson.
- 1989 - Symposium, Intermediate Filaments, The American Society for Cell Biology and the American Society for Biochemistry and Molecular Biology, San Francisco.  
 International Titisee Conference Nuclear Cytoskeletal Interactions, Titisee-Neustadt, Germany.  
 Department of Zoology, University of Iowa.  
 Cell Motility Group, University of Iowa.  
 Clinical Neuroscience Conference, Evanston Hospital, Evanston IL.  
 Department of Biology, St. Andrews University, Scotland.  
 Institute of Biomedical Sciences, Academic Sinica Symposium: Biochemical and Structural Dynamics of the Cell Nucleus, Taipei, Taiwan, Republic of China.  
 Gordon Conference on Epithelial Differentiation and Keratinization, Tilton NH.  
 Gordon Conference on Biological Structure and Gene Expression, Plymouth NH.  
 Imperial Cancer Research Fund Laboratory, London.  
 Department of Dermatology, Case Western Reserve University Medical School, Cleveland.  
 Frontiers in Biology Lecture, Case Western Reserve University, Cleveland.  
 Organogenesis Company, Cambridge MA.  
 Special Interest Group Workshop on Phosphorylation of Intermediate Filament Proteins, American Society for Cell Biology Meeting, Houston.  
 Participation in Panel Discussion on the Structure of Basic Science Departments at the Annual Winter Conference of the AACBNC Association of Anatomy Chairmen and the Association of Physiology Chairmen, San Juan.
- 1990 - Present Round Table Discussion on the Cellular Basis of Corneal Dystrophies at the Tenth Annual Meeting of the Aspen Corneal Society, Snowmass CO.  
 Public Policy Panel Discussion at the First Regional Meeting of the American Society for Cell Biology, Chicago.  
 Gordon Research Conference on Intermediate Filaments, Holderness School, Plymouth NH.  
 Searle Leadership Lecture, Northwestern University.  
 Worcester Foundation for Experimental Biology, Shrewsbury, UK.

- Cell and Developmental Biology Lecture Series, Marine Biological Laboratory, Woods Hole MA.
- Speaker at the First Annual Schweppe Colloquium on Epithelial Differentiation, Northwestern University.
- Seminar, Department of Pharmacology, SUNY State University of New York, Stonybrook NY.
- Annual Winter Conference of the Association of Anatomy Chairmen, Public Policy Panel Discussion Leader, Kaanapali, Maui HI.
- 1991 - Seminar on the Cytoskeleton of Mammalian Cells, 11th Annual Meeting of the Aspen Corneal Society, Snowmass CO.
- Symposium Speaker, Winter Conference on Neural Plasticity, Martinique.
- Seminar, Northern Illinois University, DeKalb.
- Symposium Speaker and Chairman of Session, Intermediate Filaments, American Association of Anatomists Meeting, Chicago.
- Cold Spring Harbor Symposium on Quantitative Biology, The Cell Cycle, New York.
- Gordon Research Conference on Gene Expression and Cell Architecture, Plymouth NH.
- Electron Microscope Society Symposium on The Use of Human Autoantibodies in Cell Biology, Santa Barbara CA.
- Symposium on Cytoskeletal-Cell Surface Interactions, European Heart Disease Association, Utrecht, The Netherlands.
- Seminar, Maurice E. Mueller Institute, University of Basel, Switzerland.
- Seminar, Swiss Institute for Experimental Cancer Research, Lausanne, Switzerland.
- Distinguished Cell Biologists in Medicine Lecturer, University of Virginia, Markey Center.
- Seminar, Department of Biology, Notre Dame University, South Bend IN.
- Seminar, Department of Biology, University of Illinois Medical School, Chicago.
- 1992 - Basic Science Seminar Series at the University of Florida, Gainesville.
- Symposium on Intermediate Filaments at the AAA Meeting, New York.
- Seminar, University of Cincinnati, Department of Cell Biology and Anatomy, Cincinnati OH.
- Seminar, Neuroscience Program, University of Oregon, Eugene.
- Lecture, Graduate Cell Biology Course, Biology Department, University of Oregon, Eugene.
- Workshop in Cell Biology, 12th Annual Meeting of Aspen Corneal Society, Snowmass CO.
- Gordon Conference on Intermediate Filaments, Holderness, UK.
- Lecture, Physiology Course, Marine Biological Laboratory, Woods Hole MA.
- Seminar, Department of Cell and Molecular Biology, University of Dundee, Scotland.
- Seminar, MRC Laboratory of Molecular Biology, Cambridge.
- Symposium on Microscopy Applied to Cell and Molecular Biology, Midwest Microscopy Society.
- 1993 - Seminar, Department of Biochemistry, University of Illinois.
- Seminar, Department of Cell Biology, University of Alabama.
- Seminar, Department of Anatomy, Louisiana State University, New Orleans.
- Seminar, Miles Pharmaceutical Company.
- Symposium on the Cell and Molecular Biology of Intermediate Filaments, ASCB/EMBO, Airlie, Virginia.
- FASEB Summer Conference on Gene Expression and Cell Architecture, Copper Mountain CO.
- Mini-Symposium on the Dynamic Aspects of Nuclear Structure, Marine Biological Laboratory, Woods Hole MA.
- Key Note Speaker, Physicians and Surgeons Biomedical Symposium, Columbia University Medical School, Arden House.

- EMBO International Symposium on Alpha-Helical Proteins, Coiled-Coils, Collagen and Co-Proteins, Alpbach, Austria.  
 Seminar, Molecular Biology Institute, Vienna.  
 Seminar, Pathology Institute, Graz, Austria.  
 Seminar, Miles Research Center, Berkeley.  
 Seminar, Hopkins Marine Center of Stanford University, Pacific Grove CA.  
 Chair, Session on International Science Literary Conference, Chicago.  
 Panel Discussant, The Merger of Medical Basic Science Departments, Annual Meeting of the Association of Anatomy, Cell Biology, Neurobiology Chairpersons, Rancho Mirage CA.
- 1994 - Seminar, Institute of Ophthalmology, University of Illinois.  
 Keystone Symposium, The Eukaryotic Nucleus, Conference, Tamarron CO.  
 Seminar, Department of Biochemistry, University of Connecticut Health Center.  
 Seminar, Institute of Neurodegenerative Disorders, Department of Pathology, University of Pennsylvania.  
 Seminar, Departments of Biochemistry and Neuroscience, Stanford University.  
 Seminar, Zoology Department, University of Vermont, Burlington.  
 Gordon Conference on Intermediate Filaments, Tilton NH.  
 Structural Biology Course Instructor, Baylor College of Medicine.  
 Distinguished Lecture, Baylor College of Medicine.  
 Second Annual Marine Biological Laboratory Symposium on Dynamic Aspects of Nuclear Structure and Function, Woods Hole MA.  
 FASEB Meeting on Gene Expression and Cell Architecture, Copper Mountain CO.  
 Symposium on Nuclear Organization, Paterson Institute for Cancer Research, Manchester, UK.  
 Seminar, Department of Anatomy and Physiology, University of Dundee.  
 Minisymposium, Cytoskeletal Dynamics, 34th Annual Meeting, American Society for Cell Biology, San Francisco.
- 1995 - Keystone Conference, Functions of the Cytoskeleton in Cell Growth, Organization and Differentiation, Taos NM.  
 Keynote Lecture, Canadian Society for Cell Biology International Meeting, Cytoskeleton in Health and Disease, Ville du Lac Delage, Quebec.  
 Keystone Conference, The Nuclear Matrix: Involvement in Replication, Transcription, Gene Splicing and Cellular Regulation, Hilton Head Island SC.  
 Cold Spring Harbor Spring Meeting on the Cytoskeleton and Cell Function, Cold Spring Harbor NY.  
 Seminar, Biotech Center, University of Turku, Finland.  
 Keynote Lecture, European Cytoskeletal Meeting, Stockholm, Sweden.  
 Friday Evening Lecture, Marine Biological Laboratory, Woods Hole MA.  
 The American Society for Cell Biology/European Molecular Biology Organization Conference on the Cytoskeletal Basis of Neurological Diseases, Cambridge, UK.  
 Annual Meeting of the Microscopy Society of America and the Histochemical Society on Probing the Functional Organization of the Cell Nucleus, Kansas City KS.  
 Moderator and Organizer, American Society for Cell Biology, Public Information Committee Panel Session on Educating the Public: Ideas for Scientists as Advocates, Washington DC.  
 Third Annual Marine Biological Laboratory Symposium on Dynamic Aspects of Nuclear Structure and Function, Woods Hole MA.
- 1996 - Lecture, National Research Council/NASA Workshop on Cell Biology, Johnson Space Center, Houston.  
 Seminar, Neuroscience Research Institute, McGill University, Montreal.  
 Seminar, University of Texas Southwestern Medical Center, Department of Cell Biology and Neuroscience, Dallas.  
 Symposium, University of Virginia, Department of Biology, Charlottesville.



- Cambridge Symposia on Nuclear Structure-Gene Expression Interrelationships, Bolton Valley NH.
- Seminar, Department of Cell and Structural Biology, University of Illinois, Champaign-Urbana.
- Lecture, Fourth Annual Marine Biological Laboratory Symposium on Dynamic Aspects of Nuclear Structure and Function, Woods Hole MA.
- Gordon Research Conference on Intermediate Filaments, Holderness School, Holderness NH.
- FASEB Conference on the Molecular Genetics Basis of Cell and Tissue Structure and Function, Copper Mountain CO.
- Seminar, Department of Cell and Structural Biology, University of Illinois at Urbana-Champaign, and the Beckman Institute.
- NASA Workshop on the Cytoskeleton, Marine Biological Laboratory, Woods Hole MA.
- 1997 - Workshop at the Frontier of Biological Physics, French Physical Society, Les Houches.
- Seminar, Department of Molecular Biology, University of Geneva, Switzerland.
- Winter Conference on Neural Plasticity, St. Lucia.
- The 13<sup>th</sup> Annual Kenneth E. Naidorf Memorial Lecture, Columbia University, College of Physicians and Surgeons.
- Alpbach Workshop, Coiled-Coils, Collagens, and Co-Proteins II, Alpbach, Austria.
- Senior Level Cell Biology Course, University of Stockholm, Sweden (2 lectures).
- Seminar, Ahrrenius Laboratory, Stockholm, Sweden.
- International Conference on the Public Understanding of Science and Technology: Sputnik at 40, Chicago Academy of Science, Convener of Session on Biotechnology.
- Minisymposium on Regulating the Polymers of the Cytoskeleton, 37th Annual Meeting, American Society for Cell Biology, Washington DC.
- 1998 - Keystone Conference The Nuclear Matrix: Involvement in Genomic Organization, Function and Cellular Regulation, , Copper Mountain CO.
- Third European Science Foundation Research Conference, Biophysics of the Cytoskeleton, Obernai, France.
- Gordon Research Conference on Intermediate Filaments, Plymouth NH.
- A Half Century of Advances in Microscopy, A Symposium Honoring Keith R. Porter, Marine Biological Laboratory, Woods Hole MA.
- Colloquium on the Biology of Aging, sponsored by the Ellison Foundation and the National Institute on Aging, Marine Biological Laboratory, Woods Hole MA.
- Public Lecture for the International Institute on Scientific Literacy, University Club, Chicago.
- 14<sup>th</sup> International Congress on Electron Microscopy, Cancun, Mexico.
- Cold Spring Harbor Meeting on Dynamic Organization of Nuclear Function, Cold Spring Harbor NY.
- Euroconference on Organelle Remodeling in Mitosis, Crete, Greece.
- Keynote Address, Society for Basic Urologic Research, Prout's Neck ME.
- Minisymposium on Nuclear Structure, 38th Annual Meeting, American Society for Cell Biology, San Francisco.
- 1999 - NIH Directors Special Lecture, National Institutes of Health.
- Department of Biochemistry, University of Dundee, Scotland.
- Spring Seminar Series: Topics in Cell Motility. Sponsored by the Associated Colleges of the Chicago Area, St. Benedictine College, Lisle IL.
- Future of Cell Biology Lecture, University of Stockholm, Sweden.
- Public Understanding of Biomedical Science, Lecture and Discussion, Swedish Academy of Sciences, Stockholm.
- Symposium on Chromatin, University of Stockholm, Sweden.
- Seminar, Maurice Mueller Institute, University of Basel, Switzerland.

- Lecture and Discussion Leader, The Use of Human Stem Cells in Basic Science and in Medicine, Science Writing Fellowship Program, Marine Biological Laboratory, Woods Hole MA.
- EMBO Workshop on the Nucleus, Prague, Czech Republic.
- 16<sup>th</sup> International Wilhelm Bernard Workshop on the Cell Nucleus, Prague, Czech Republic.
- 14<sup>th</sup> Meeting of the European Cytoskeletal Forum, Oeiras, Portugal.
- Conference on the Uses of Human Stem Cells, jointly sponsored by the American Association for the Advancement of Science and the Catholic Bishops Conference, Washington DC.
- 2000 - Seminar, Departments of Cell Biology and Pathology, Emory University Medical School.
- Seminar, Department of Anatomy and Cell Biology, University of Illinois at Chicago.
- Symposium, American Society for Neurochemistry Meeting, Chicago.
- Seminar, Department of Biological Sciences, University of Iowa.
- Seminar, Department of Biology, University of Science and Technology, Kowloon, Hong Kong.
- Keynote Address, International Conference on the Public Understanding of Science and Technology, Kuala Lumpur.
- Public Lecture, sponsored by the Malaysian Scientific Association, Kuala Lumpur.
- Keynote Speaker, 7<sup>th</sup> Mejbaum-Katzenellenbogen's Seminar on Molecular Biology, Wroclaw/Szklarska, Poland.
- Seminar, Molecular Biology Center, DKFZ German Cancer Research Center, Heidelberg.
- Speaker and Session Chair, Gordon Research Conference on Intermediate Filaments, Queen's College, Oxford, UK.
- NSF Workshop on Force Transduction in Biology, Arlington VA.
- Conference on Biophysics and Biochemistry of Motor Proteins, Banff, Alberta, Canada.
- Conference on the Green Florescent Protein, Society for Histochemistry, Les Diablerets, Switzerland.
- Cold Spring Harbor Meeting on Nuclear Organization (2 platform presentations).
- Symposium "Cell and Molecular Aspects of the Birth, Life and Death of the Nervous System", AAAS/IMBO Symposium, Pucan, Chile.
- 2001 - Discussion Panel on Department Mergers, AACBNC Association of Anatomy, Cell Biology and Neurobiology Chairpersons, Annual Winter Conference, Los Cabos, Mexico.
- Seminar, Department of Pharmacology, University of Illinois, Chicago.
- French-American Colloquium on the Cytoskeleton and Human Disease, Marseilles, France.
- Symposium, German Society for Biochemistry and Molecular Biology, "Glycoconjugate and Contact Structures of the Cell Surface", Bonn, Germany.
- Workshop on Nuclear Organization and Disease, National Cancer Institute, Frederick MD.
- Speaker and Session Chair, Alpbach Workshop on Fibrous Proteins, Coiled-Coils, Collagen and Co-Proteins III, Alpbach, Austria (cancelled).
- Seminar, Nanobiomechanics, Department of Biomedical and Chemical Engineering, Northwestern University, Evanston IL.
- Guest Lecturer, Cell Biology Course, University of Stockholm, Sweden.
- Seminar, Department of Biological Sciences, Notre Dame University.
- Second Airlie Meeting on Nucleocytoplasmic Transport: Molecules and Mechanisms, sponsored by the RNA Society, Airlie Conference Center, Airlie VA.
- Seminar, Department of Biological Sciences, Northern Illinois University, DeKalb.
- 2002 - Seminar, University of California, Santa Cruz.

- Seminar, National Cancer Institute, Drug Discovery and Therapeutics Division, Fort Detrick MD.  
 Symposium, Joint Spring Meeting: Genetics Society of Great Britain, British Society for Developmental Biology and British Society for Cell Biology, York, UK.  
 Seminar, University of St. Andrews, School of Biomedical Sciences, Dundee, Scotland.  
 Seminar, University of Edinburgh, Scotland.  
 Session Chair and Invited Speaker, EMBO Workshop on the Functional Organization of the Cell Nucleus, Prague, Czech Republic.  
 Speaker and Session Chair, Gordon Research Conference on Intermediate Filaments, Roger Williams, Newport, RI.  
 17th European Cytoskeletal Forum, Nyon, Switzerland.  
 Session Chair and Speaker, Cold Spring Harbor Meeting on Dynamic Organization of Nuclear Function, Cold Spring Harbor NY.  
 Symposium, 28<sup>th</sup> Meeting of the Federation of European Biochemical Societies (FEBS) Meeting, Istanbul, Turkey.
- 2003 - Seminar, Albert Einstein College of Medicine, Bronx NY.  
 Seminar, University of Massachusetts, Boston.  
 Seminar, University of Iowa, Iowa City.  
 Seminar, Spelman College, Atlanta.  
 Seminar, Carnegie Institution, Baltimore.  
 Speaker, ATS 99<sup>th</sup> International Conference, Seattle.  
 Speaker and Session Chair, Symposium Honoring Dr. Keith Porter, Gordon Research Conference on Epithelial Differentiation and Keratinization, Tilton School NH.  
 Hutchinson-Gilford Progeria Syndrome Workshop, Holiday Inn, Bethesda MD.  
 Speaker, Symposium Honoring Dr. Joel Rosenbaum of Yale University, Marine Biological Laboratory, Woods Hole MA.  
 Speaker, Austrian Institute of Molecular Pathology, Vienna.  
 Seminar, University of Utah, Salt Lake City.
- 2004 - Chair and Speaker, Novartis Foundation Symposium 264, Nuclear Organization in Development and Disease, London.  
 Symposium, German Society for Cell Biology, Berlin.  
 Seminar, University of Colorado, Health Science Center, Department of Medicine and Cellular and Structural Biology.  
 Gordon Research Conference on Intermediate Filaments, Queen's College, Oxford, UK.  
 "Regional Control of Intermediate Filament Assembly: A Complex Process Involving Motility and Co-translational Assembly", Wenner-Gren International Symposium, Wenner-Gren Center, Stockholm.  
 Cold Spring Harbor Meeting on Dynamic Organization of Nuclear Function, Cold Spring Harbor NY.  
 Symposium Speaker, 2<sup>nd</sup> Annual Chicago Cytoskeleton Symposium, Northwestern University, Chicago.  
 Seminar, "Dynamic Properties of Intermediate Filaments: From Transcriptional Control to Co-translational Assembly", University of Texas Southwestern Medical Center, Dallas.  
 Co-Chair and speaker (with Dr. Harold Hermann), Minisymposium, Intermediate Filaments, 44th Annual Meeting, American Society for Cell Biology, Washington DC.  
 Co-Speaker (with Dr. Lynne Chang), Minisymposium, "Assembling an Intermediate Filament (IF) Network by Dynamic Co-translation", 44th Annual Meeting, American Society for Cell Biology, Washington DC.
- 2005 - Seminar, Department of Biology, Yale University.  
 Post-doctoral Seminar, "Cytoskeletal Secrets Revealed by Live Cell Imaging", University of Minnesota, Minneapolis.

- Symposium, “The Complexities of Building Cytoskeletal Intermediate Filament Networks”, 28<sup>th</sup> Annual Meeting, German Society for Cell Biology, Heidelberg.
- Symposium, “Human Diseases Provide Insights into the Functions of Nuclear Lamins”, Symposium on Functional Organization of the Nuclear Envelope, Hebrew University of Jerusalem.
- Symposium Session Chair, Assembly of Large Nuclear Structures, Symposium on Functional Organization of the Nuclear Envelope, Hebrew University of Jerusalem.
- Symposium, “Anatomy of the Nucleus”, Annual Meeting at EB2005 Experimental Biology 2005, American Association of Anatomists, San Diego CA.
- Seminar, “Intermediate Filaments: Essential Elements of Nuclear and Cytoplasmic Structure and Function”, Department of Biology, Bowdoin College, Brunswick ME.
- Seminar, “The Nuclear and Cytoplasmic Functions of Intermediate Filaments”, Department of Molecular Biology and Genetics, Cornell University, Ithaca NY.
- Physiology Course Lecture, “Intermediate Filaments: Dynamic Components of the Nucleus and Cytoplasm”, Marine Biological Laboratory, Woods Hole MA.
- Lamins and Laminopathies Session, Summer Meeting, Nuclear Architecture and Human Disease, American Society for Cell Biology, Iowa State University.
- Alpbach Workshop on Coiled-coils, Collagens and Co-Proteins “New Insights into the Assembly of Intermediate Filaments” Alpbach, Austria.2005.
- EMBO Conference on Nuclear Structure “Human Diseases Provide New Insights into Nuclear Lamin Structure and Function”, La Grande Motte, France. 2005
- Cell Biology Course Lecturer, Wenner-Gren Institute, Stockholm University, Sweden.
- Symposium Speaker, “What Human Diseases Are Telling Us About Nuclear Lamin Structure and Function”, Nucleocytoplasmic Transport Meeting, Jekyll Island GA.
- Progeria Research Foundation International Joint Workshop “Nuclear Lamin Structure and Function in Normal and Progeria Cells”, Boston.
- 2006 - Seminar Speaker, “Intermediate Filaments: Building Blocks of Cellular Architecture”, Department of Biochemistry and Molecular Biology, JH Quillen College of Medicine, East Tennessee State University, Johnson City TN.
- Distinguished Speaker Seminar Series, “Mutations in Nuclear Lamin A Cause a Remarkable Array of Human Diseases”, Institute for Genetic Medicine, Keck School of Medicine, University of Southern California, Los Angeles.
- Symposium, “Intermediate Filaments: Building Blocks of Cellular Structure and Function”, Annual Conference, ARVO Association for Research in Vision and Ophthalmology, Ft. Lauderdale FL.
- Symposium, “Human Diseases Provide Insights into Nuclear Lamin Functions”, EMBO Conference on Functional Organization of the Cell Nucleus, Prague, Czech Republic.
- Symposium, “The ‘Aging’ of Chromatin in Progeria”, and Session Chair, Nuclear Organization, Symposium on the Functional Organization of the Nucleus, Department of Genetics, Institute of Life Sciences, Hebrew University of Jerusalem.
- Symposium, “Functions of Nuclear Lamins Are Being Revealed by a Wide Range of Human Diseases”, Ueli Aebi Birthday Symposium, From Molecules to Man, Zentrum Paul Klee, University of Basel, Switzerland.
- Symposium, “New Insights into the Dynamic Properties of Intermediate Filaments”, SACR Swedish Association for Cytoskeleton Research, Gimo (Uppsala), Sweden.
- Seminar Speaker, “Nuclear Lamins: Building Blocks of Nuclear Structure and Function”, Friedrich Miescher Institute, Basel, Switzerland.
- Special Seminar Series, “The Roles of Lamins in Nuclear Form and Function”, National Human Genome Research Institute and the Heart, Blood and Lung Institute of the National Institute of Health, Washington DC.
- Cornerstone Speaker, “Nuclear Lamins: Building Blocks of Nuclear Architecture”, Lamin Biology and Laminopathies Symposium, Gordon Research Conference on Intermediate Filaments, Salve Regina University RI.

- Session Chair, Nuclear Structure and Disease, Cold Spring Harbor Meeting on Dynamic Organization of Nuclear Function, Cold Spring Harbor NY.
- Seminar “Nuclear Lamin Functions are Being Revealed by a Plethora of Human Diseases”, Weekly Lab-wide Seminar Program, Cold Spring Harbor Laboratory, Cold Spring Harbor NY.
- 2007 - Symposium, “Lamin Structure and Function in Health and Disease”, ISFON Functional Organization of the Nucleus, Awaji Island Yumebutai Intl. Conference Center (Sumoto), Japan.
- Keynote Lecture, “The Motility, Assembly and Dynamic Properties of Intermediate Filaments”, Proteins: Structure, Function and Assembly in Health and Disease, Rotorua, New Zealand.
- Seminar Speaker, “The Dynamic Properties of Cytoskeletal Intermediate Filaments”, Intermediate Filament Workshop, Harvard University, Cambridge MA.
- Gordon Research Conference on Signal Transduction Within the Nucleus. “The Laminopathies are Providing New Insights into the Interactions Between Lamin A and Chromatin”, Ventura CA.
- Symposium, Joint Spring Meeting: Genetics Society of Great Britain, British Society for Developmental Biology, and British Society for Cell Biology, Heriot Watt University, Edinburgh. “What Human Diseases are Revealing about Nuclear Lamin Structure and Function”,
- Keynote Lecture, “The Lamins are Major Regulators of Nuclear Form and Function”, 1<sup>st</sup> UK Nuclear Envelope/Chromatin Organization Meeting, Centre for Cell Biology, University of Edinburgh.
- 11<sup>th</sup> Annual Joseph L. Mayberry Lecture, Feinberg School of Medicine, Northwestern University, Chicago.
- Seminar, “A Large Number of Mutations in the Nuclear Lamin A Gene Cause a Remarkable Array of Human Diseases”, College of Medicine, University of Edinburgh.
- Seminar, “Mutations in the Human Lamin A Gene are Revealing Remarkable Functions for Intermediate Filament Proteins in the Nucleus”, Vienna Biocenter, Medical University of Vienna.
- Symposium, “Human Diseases are Revealing a Multitude of Nuclear Lamin Functions”, EURO-Laminopathies Project and Intermediate Filaments Meeting, Heidelberg.
- Symposium, “New Insights into the Structure and Functions of Nuclear Lamins”, 3<sup>rd</sup> Annual Symposium on Functional Organization of the Nucleus, Hebrew University of Jerusalem.
- Keynote Lecture, “The Dynamic Properties and Functions of Intermediate Filaments: A Story of Curiosity Driven Research”, Department of Cell and Molecular Biology Graduate Student Annual Retreat, University of Vermont.
- Symposium, “What Human Diseases are Revealing about Nuclear Lamin Structure and Function”, EMBO 2007 Conference on Nuclear Structure and Dynamics, Montpellier, France.
- Symposium, “Human Diseases Provide New Insights into Nuclear Lamin Functions”, Third Fabisch Symposium for Cancer Research and Molecular Cell Biology, Institute of Medical Genetics, Humboldt University, Berlin.
- Zeiss Plenary Lecture, “New Insights into the Structure and Functions of Cytoskeletal Intermediate Filaments”, 5<sup>th</sup> Meeting of the European Intermediate Filament Network, Grey College, University of Durham, UK.
- Plenary Lecture, “The Role of Intermediate Filaments in Cell Shape and Motility”, International Symposium on Intermediate Filament Proteins: Emerging Trends in Keratin Biology, ACTREC/TATA Memorial Centre, Navi Mumbai (Bombay).
- Symposium, “New Insights into the Structure and Functions of the Nuclear Lamins”, Progeria Research Foundation Scientific Meeting, Boston.

- Plenary Lecture, “Nuclear Lamins: Architectural Building Blocks of Nuclear Form and Function”, and Organizing Committee, 10<sup>th</sup> Congress of the Iberoamerican Society for Cell Biology, Mexico City.
- 2008 - Seminar, “Nuclear Lamins in Human Aging and Disease”, Department of Cell and Developmental Biology Spring Seminar Series, Vanderbilt University Medical School, Nashville TN.
- Lecture, “Intermediate Filaments: Architectural Building Blocks of Nuclear and Cytoplasmic Structure and Function”, and Award Acceptance, 3<sup>rd</sup> Annual Accomplished Undergraduate Alumnus, Department of Biology, University of Vermont.
- Symposium, “The Nuclear Lamins in Health and Disease”, 3<sup>rd</sup> New Directions in the Biology and Disease of Skeletal Muscle, New Orleans.
- Seminar, “Nuclear Lamins: Building Blocks of Nuclear Structure and Function”, Department of Microbiology and Immunology, University of Illinois College of Medicine.
- Symposium, “Nuclear Lamins: Major Elements of Nuclear Architecture and Function”, European Cytoskeleton Forum, Potsdam.
- Gordon Research Conference on Intermediate Filaments "The Nuclear Lamins are Major Determinants of Nuclear Architecture and Function", and Session Chair, Lamins and Lamin-associated Proteins, Magdalen College, Oxford, UK.
- Symposium Speaker, “Lamins: Major Regulators of Nuclear Form and Function”, 49<sup>th</sup> International Symposium, Advances in Enzyme Regulation, Bologna, Italy.
- 2009 - Symposium Speaker, Lamins in Gene Expression and Chromatin Organization, EMBO Workshop on the Multiple Faces of Lamins in Aging and Disease, Vienna.
- Eurkaryon Inauguration Lecture, Biology Department, Lake Forest College, Lake Forest IL.
- W.M.Keck Lecture, “Insights into the Structure and Function of Type V Intermediate Filaments: Nuclear Lamins in Health and Disease”, W.M. Keck Laboratory for Biological Imaging, University of Wisconsin, Madison.
- Seminar, “Mutations in the Lamin A Gene are Providing Insights into Human Disease, Aging and Nuclear Architecture”, Institute of Molecular Medicine (IMM), University of Texas, Houston.
- Seminar, “The Remarkable Story of Nuclear Lamin A and Human Disease”, Institute of Medical Biology, Biopolis, Singapore.
- Symposium, “New Insights into the Functions of Intermediate Filaments: Cell Shape, Motility and Mechanics”, 6<sup>th</sup> European Meeting on Intermediate Filaments (Nanofilaments) in Health and Disease, Gothenburg, Sweden.
- Seminar, “Nuclear Lamins in Health and Disease”, Biozentrum, M.E. Muller Institute, Basel, Switzerland.
- Lecture, Physiology Course, Marine Biological Laboratory, Woods Hole MA.
- Seminar, “Mutations in the Lamin A Gene Are Providing Insights into Human Disease, Aging and Nuclear Architecture”, University of Chicago.
- The Runnstrom Lecture, “The Nuclear Lamins: Building Blocks of Nuclear Architecture”, Wenner-Gren Institute for Experimental Biology, 70<sup>th</sup> Anniversary Symposium, Stockholm, Sweden.
- Seminar, “The Nuclear Lamins: Building Blocks of Nuclear Architecture”, Department of Biology, Illinois Institute of Technology, Chicago.
- Symposium Chair and Speaker, Movers and Shapers: Nuclear Dynamics and Gene Regulation session, “The Nuclear Lamins: Building Blocks of Nuclear Architecture”, 49<sup>th</sup> Annual Meeting, American Society for Cell Biology, San Diego.
- 2010 - Seminar, "Nuclear Lamins: Building Blocks of Nuclear Architecture", University of California, San Francisco.
- Symposium, “The Functional Significance of Changes in Cytoskeletal Intermediate Filament Composition During the EMT: Vimentin Is More Than a Biomarker”,

- American Association for Cancer Research (AACR) Special Conference in Cancer Research on the Epithelial/Mesenchymal Transition and Cancer Progression and Treatment, Arlington VA.
- Session Chair and Speaker, “Nuclear Lamins: Essential Building Blocks of Nuclear Architecture”, Progeria Research Foundation 10<sup>th</sup> Anniversary International Workshop: From Bench to Bedside in a Decade, Boston.
- Dorcas Cummings Public Lecture, “The Improbable Link Between Premature Aging and Nuclear Organization”, opening the 75<sup>th</sup> Cold Spring Harbor Symposium on Nuclear Organization and Function, Cold Spring Harbor NY.
- Symposium Speaker, “The Nuclear Lamins: Building Blocks of Nuclear Architecture”, 75<sup>th</sup> Cold Spring Harbor Symposium on Nuclear Organization and Function, Cold Spring Harbor NY.
- Symposium Speaker, “Insights into the Role of Intermediate Filaments in Cell Motility: Vimentin Assembly Modulates the Formation of Lamellipodia”, Chicago Cytoskeleton Meeting, Northwestern University, Chicago IL.
- 18<sup>th</sup> Annual R.R. Kohn Memorial Lecture, “Nuclear Lamins Provide Unexpected Insights into Human Aging”, Case Western Reserve University, Cleveland.
- Seminar, “Nuclear Lamins are Revealing Unexpected Insights into Human Aging and a Wide Range of Diseases”, Department of Anatomy and Structural Biology, Albert Einstein College of Medicine, Bronx NY.
- Speaker, Cellular Mechanics in Development and Disease session, “Functions of the Cytoskeletal Intermediate Filaments in Regulating the Mechanical Properties of Cells”, 50<sup>th</sup> Annual Meeting, American Society for Cell Biology, Philadelphia.
- 2011 - Gordon Research Conference on Signal Transduction in the Nucleus, “A Multitude of Mutations in the Human Lamin A Gene are Providing New Insights into the Functional Organization of the Nucleus”. Ventura CA.
- The Vollmer W. Fries Lecturer, “Rare Human Diseases are Providing Unexpected Insights into Cell Structure and Function”, Rensselaer Polytechnic Institute, Troy NY.
- Symposium, "The Nuclear Lamins: Insights into Their Roles in Cell Proliferation and Senescence," EMBO Workshop on Chromatin Structure, Organization and Dynamics, Prague, Czech Republic.
- Seminar, “Nuclear Architecture in Healthy and Diseased Cells”, Roche/Ventana, Tucson.
- Symposium, “Signal Transduction Along Intermediate Filament Networks: Regulation of Cell Shape and Motility”, Sigrid Juselius Foundation Symposium on Post-Translational Modification Networks as Survival Determinants, Helsinki, Finland.
- Symposium, “Cell Shape and the Cytoskeleton”, Paris Interdisciplinary PhD Symposium (PIPS) on Shapes in Living Systems, Paris.
- Symposium, “New Insights into the Functions of Vimentin Intermediate Filaments in Cell Motility”, 7<sup>th</sup> European Meeting on Intermediate Filaments (Nanofilaments) in Health and Disease, Mykonos, Greece.
- Session Chair and Speaker, “A Role for Nuclear Lamins in Senescence”, 52<sup>nd</sup> Intl. Symposium on Regulation of Enzyme Activity and Synthesis in Normal and Neoplastic Tissues, University of Bologna, Italy.
- Symposium, “New Insights into the Functions of Lamin B1 in Cell Proliferation and Longevity”, EMBO 2011 Conference on Nuclear Structure and Dynamics, Isle sur la Soque (Avignon), France.
- Symposium, EMBO Workshop on Mechanisms of Nucleocytoplasmic Trafficking, Jerusalem Hills, Israel.
- Speaker, Function of Intermediate Filaments: Mechanics and Signal Transduction session, “Probing the Functions of Intermediate Filaments in Cell Physiology: From

- Mimetic Peptides to Withaferin”, 51<sup>st</sup> Annual Meeting, American Society for Cell Biology, Denver.
- 2012 - Symposium, "Recent Insights into the Regulation and Functions of Intermediate Filaments", Molecular Machines and Their Functionality, Basel, Switzerland.  
 Symposium, “Cell Shape, Motility and the Intermediate Filament Cytoskeleton”, Recent Advances in Chemical and Physical Biology, Kolkata, India. Symposium, “The Lamins are Major Determinants of Nuclear Architecture”, EB 2012 Experimental Biology Meeting, San Diego.  
 Beckman Symposium: Diseases of Molecular Motors and Cytoskeleton, “Lamins: Building Blocks of Nuclear Architecture”, Stanford University, Palo Alto CA.  
 Symposium, Nuclear Organization, Dynamics and Activity, 20<sup>th</sup> Jerusalem School in Life Sciences, Institute for Advanced Study, Hebrew University, Jerusalem, Israel.  
 15<sup>th</sup> European Microscopy Congress (emc2012) “High Resolution Light Microscopy of Diseased Nuclei is Revealing New Insights into the Structure and Functions of the Nuclear Lamins”, Manchester, UK.  
 Scientific Meeting on Hutchinson Gilford Progeria Syndrome, sponsored by the Italian Association of Progeria Families, Padua, Italy.
- 2013 - Seminar, “The Structure and Function of the Nuclear Intermediate Filament Networks: Lamins in Health and Disease”, University of Pennsylvania, School of Medicine, Philadelphia.  
 Progeria Research Foundation Scientific Workshop: Basic and Clinical Science Working Together Toward a Cure, “On the Importance of Studying both the A- and B- type Lamins in Progeria”, Bethesda MD.  
 Seminar, “Rare Diseases Provide Novel Insights into the Regulation of Intermediate Filament Structure and Function”, German Cancer Research Center (DKFZ), Heidelberg, Germany.  
 The Robert Fuelgen Lecture, “Recent Insights into Cytoskeletal and Nucleoskeletal Intermediate Filaments Networks”, Keynote Lecture, 55<sup>th</sup> Symposium of the Society for Histochemistry: Intermediate Filaments in Health and Disease, Institute of Molecular Genetics AS CR, Prague, Czech Republic.  
 Charles University Outstanding Science Medal and Keynote Lecture “New Insights into the Regulation and Function of the Nuclear Lamins”, Functional Organization of the Cell Nucleus Symposium, Institute of Cellular Biology and Pathology, Charles University, Prague, Czech Republic.  
 Seminar, “Intermediate Filaments: Major Cytoskeletal and Nuclear Components Regulating Cell Form and Function”, Beatson Institute for Cancer Research, Glasgow, UK.  
 Seminar, “The Multiple Roles of Lamins in Nuclear Architecture”, Weekly Seminar Series, Molecular and Cell Biology and Biochemistry (MCB), Brown University, Providence RI.
- 2014 - Seminar, “Insights into the Structure and Function of the Nuclear Lamins”, Department of Biochemistry, University of Zurich, Switzerland.  
 RE(ACT) Congress 2014, 2<sup>nd</sup> Intl. Congress on Research of Rare and Orphan Diseases, “Altered Intermediate Filament Networks are the Hallmarks of Many Rare Diseases”, Basel, Switzerland.  
 Leading Edge Seminar Series, “Rare Diseases Provide New Insights into the Functions of Intermediate Filaments”, University of Texas Southwestern Medical Center, Dallas TX.  
 Gordon Research Conference on Intermediate Filaments “Intermediate Filaments: The Big Picture”, West Dover VT.  
 National Institute on Aging Workshop, “3D Chromatin and Interactions with Nuclear Structure in Aging”, Bethesda MD.



- The Nikon Lecture, “New Insights into the Roles of the Nuclear Lamins in Regulating Nuclear Architecture and Function”, SBBC 2014 MXVII Meeting of the Brazilian Society for Cell Biology, Cataratas do Iguacu, Brazil.
- Seminar, “New Insights into the Structure and Function of Intermediate Filaments”, Department of Genetics, Cell Biology and Development Series, University of Minnesota, Minneapolis.
- EMBO Workshop on Cell Plasticity and Nuclear Dynamics, Singapore.
- 2015 - Symposium Speaker, “Intermediate Filaments and Basic Cell Mechanisms: Old Questions Tackled with New Tools”, European Intermediate Filament Meeting, Stockholm.
- Seminar, University of Helsinki Biocenter.
- Induction Lecture, “A Tale of Two Rare Childhood Diseases”, Finnish Society for Sciences and Letters, Helsinki.
- Seminar, Center for Excellence in Functional Materials at Biological Interfaces (FUNMAT), University of Turku Biocenter, Finland.
- Frontiers of Science Lecture, University of Turku Biocenter, Finland.
- The H.C. Jacobaeus Symposium, Intermediate Filaments on the Move, Novo Nordisk Foundation, Turku Graduate School of Biomedical Sciences.
- Speaker, Nuclear Envelope Dynamics Session, “A Remarkable Complex of Interwoven Lamin Meshworks Is Revealed by Super-resolution Microscopy”, 55<sup>th</sup> Annual Meeting, American Society for Cell Biology, San Diego CA.
- 2016 - Speaker and Co-chairman, Lamin Session, Cold Spring Harbor Meeting on Nuclear Structure and Function.
- Nobel Minisymposium: Premature Aging: From Basic Research to Clinical Treatment in a Decade (Frontiers in Medicine Series Nobel Forum, Karolinska Institute), “Studies of the Progeroid Nucleus Have Provided New Insights into the Structure and Function of the Nuclear Lamins”, Stockholm, Sweden.
- Speaker, Progeria Research Foundation Scientific Workshop, Boston.
- Keynote Lecture, “The Past, the Present and the Very Exciting Future of Intermediate Filament Research”, Gordon Research Seminar on Intermediate Filaments, Stowe VT.
- Speaker, “Intermediate Filaments Play a Pivotal Role in Regulating Cell Architecture and Function”, Gordon Research Conference on Intermediate Filaments, Stowe VT.
- Keynote Lecture, “Intermediate Filament Networks Are Systems Integrators in Mammalian Cells”, 12<sup>th</sup> Intl. Congress of Cell Biology, Prague, Czech Republic.
- Speaker and Panel Member, “On Building a Satisfying Scientific Career Based Upon Curiosity Driven Untargeted Research”, Symposium on Cell Biology Education, ICCB 12<sup>th</sup> Intl. Congress of Cell Biology, Prague, Czech Republic.
- 2017 - Speaker, Session on Nuclear Structure and Function, EB2017 Experimental Biology, American Society for Biochemistry and Molecular Biology Annual Meeting, Chicago.
- Keynote Address, “New Insights into the Structure and Function of the Lamins and Other Members of the Intermediate Filament Protein Family”, and Chair, Session 3: Structural Aspects of the Nucleus I, COST School and The Batsheva de Rothschild Seminar on The Nuclear Lamina and Nuclear Organization, Yearim, Judean Hills, Israel.
- Speaker, Uno Lindberg Memorial Symposium, Stockholm.
- 2018 - Plenary Speaker, “The Structure and Function of Intermediate Filaments”, ICCB 2018 Intl. Congress of Cell Biology, Hyderabad, India.
- Panel Member, “Cell Biology Education: The Role of the IFCB (Intl Federation for Cell Biology) and the APOCB (Asian Pacific Organization for Cell Biology) in Teaching and Training Cell Biology Students”, ICCB 2018 Intl Congress of Cell Biology, Hyderabad, India.

- Symposium Speaker, 43<sup>rd</sup> FEBS Congress Federation of European Biological Societies, Prague, Czech Republic.
- Speaker, Gordon Research Conference on Intermediate Filaments, Lucca (Barga), Italy.
- Speaker, EUREKA Symposium on Experimental Biomedicine, University Hospital Würzburg, Germany.
- Lecture, "The Roles of Intermediate Filaments in Regulating Cytoskeletal Crosstalk, Cell Mechanics and Motility", Annual Retreat and Symposium, Pennsylvania Muscle Institute, Philadelphia.
- 2019 Keynote Lecture, Gordon Research Conference on Motile and Contractile Systems, New London NH.
- Speaker, 11<sup>th</sup> European Meeting on Intermediate Filaments, Turku, Finland.
- Speaker, Waterman Symposium: Cell Machines at Work, National Institutes of Health, Bethesda MD.
- Speaker, Gruenbaum Special Symposium, Hebrew University of Jerusalem, Israel.
- 2020 Keynote Speaker, EMBO Workshop on Chromatin Structure, Organization and Dynamics, Prague, Czech Republic.

### **COMMITTEES, EDITORIAL BOARDS, ETC.**

- Organized Cell Motility Meeting at the Cold Spring Harbor Laboratory (with T. Pollard and J. Rosenbaum), 1975.
- Organizing Committee for meeting on "Disorders of Cell Membranes and Receptors as They Relate to Disease" at the Advanced Center for the Biomedical Sciences of the Battelle-Seattle Research Center, 1978.
- Organized Cold Spring Harbor Laboratory Meeting, "Aspects of the Cytoskeleton and Cytomusculature of Mammalian Cells" (with Joanna Olmsted), 1978.
- Co-Chairman (with J. Rosenbaum) of Annual Mtg. of the Marine Biological Laboratory, 1979.
- Chairman of the Committee on Scientific Programs, ASCB Meeting, Cincinnati OH, 1980.
- Member, National Institutes of Health Ad Hoc Cell Biology Study Section, 1978.
- Member, National Institutes of Health Molecular Cytology Study Section, 1978.
- Member, National Institutes of Health Cell Biology Study Section, 1979-1983.
- Chairman, Session on Intermediate Filaments at the Cytoskeleton Meeting, Cold Spring Harbor Laboratory, 1978-1979.
- Co-Chairman, Microfilament Session, American Society for Cell Biology Meeting, San Antonio, 1978.
- Discussion Leader, Gordon Conference on Cell Locomotion, 1979.
- Editorial Advisory Board, Journal of Mechanochemistry and Cell Motility, 1977-1979.
- Editorial Board, "Cell Motility and the Cytoskeleton", 1980-1995.
- Scientific Advisory Board, Series on "Muscle and Non-Muscle Cells", Plenum Press, 1980.
- Member, Research Facilities Committee, Marine Biological Laboratory, 1980-1986.
- Member, Board of Overseers Visiting Committee, Case Institute of Technology, 1981-1985.
- Chairman, National Institutes of Health Special Study Section and Site Visit Team, Department of Biophysics, Washington University, 1981.
- Member, National Institutes of Health Site Visit Committee, Dept. Biology, Massachusetts Institute of Technology, 1982.
- Member, External Advisory Board, NIH Biotechnology Resource, High Voltage EM Facility, University of Wisconsin, Madison, 1982-1990.
- Member, Committee on Education, American Society for Cell Biology, 1982-1987.
- Member, Research Space Committee, Marine Biological Laboratory, 1982-1988.
- Member, Legislative Alert Committee, American Society for Cell Biology, 1982-.

Chairman, NCI Site Visit Committee, Dept. Biology, Massachusetts Institute of Technology, 1982.

Member, National Cancer Institute Site Visit Committee, Cornell University, Department of Biochemistry, Cell and Molecular Biology, 1983.

Member, Board of Trustees Nominations Committee, Marine Biological Laboratory, 1983.

Chairman, New York State Regents Doctoral Evaluation Project, Department of Biological Sciences, State University of New York -Albany Site Visit, 1984.

Member, Site Visit Team, Department of Anatomy, Wayne State University Medical School, 1984.

Member, NY State Regents Doctoral Evaluation Project, State University of New York -Buffalo Site Visit, 1984.

Scientific Advisory Board, Southern Biotechnology Associates, Inc., 1985-1995.

Member, Marine Biological Laboratory Committee to Study the Cellular and Molecular Effects of Ultrasound, 1984-1985.

Scientific Advisory Board, Memtek Corporation, 1984-1988.

Associate Editor, Journal of Cell Motility and Cytoskeleton, 1986-2000.

Editorial Board, Journal of Bacteriology, 1986-1990.

Member, Board of Trustees of the Marine Biological Laboratory, 1986-1996.

Chairman, Marine Resources Committee of the Marine Biological Laboratory, 1987-1992.

Member, Editorial Board, "The Biological Bulletin", Marine Biological Laboratory, 1987-1990.

Chairman, Special Study Section, National Institute on Aging, Alzheimer's Disease Research Center, Harvard Medical School, 1987.

Council, American Association of Anatomy, Cell Biology and Neuroscience Chairmen, 1987-1990.

Member, NCI Site Visit Committee, Center for Cancer Research, Massachusetts Institute of Technology, 1987.

Member, Centennial Events Committee, Marine Biological Laboratory, 1987-1988.

Consultant, Searle Nutrasweet Company, 1987-1992.

Member, Council of the American Society for Cell Biology, 1986-1990.

Member, American Cancer Society Personnel Committee B, 1988-1992.

Chairman, Nominating Committee, Marine Biological Laboratory, 1988.

Member, Year Round Program Development Committee, Marine Biological Laboratory, 1988.

Founder and First Chair, Public Information Committee, American Society for Cell Biology, 1988-1997.

Member of the Organizing Committee of the 1st Midwest Regional Meeting of the American Society for Cell Biology, 1990.

Consultant, Periodontal Disease Research Center, University of Minnesota Dental School, 1988-1991.

Advisory Task Force of Basic Scientists, Society of Investigative Dermatology, 1989.

Member, Scientific Board of Visitors, Oklahoma Medical Research Foundation, 1989-1993.

Chairman, Planning and Building Committee for the Marine Resources Center at the Marine Biological Laboratory, 1989-1992.

Chairman, Search Committee for Neuroscience Institute Director, Northwestern University, 1989-1990.

Founder and Co-Director of the Science Writers Hands-On Laboratory Course, Marine Biological Laboratory, 1989-2001.

External Reviewer, Cell Biology Program, Institute of Biomedical Sciences, Academia Sinica, Taipei, Taiwan, Republic of China, 1989.

Member, Publications Committee, American Association of Anatomists, 1989-1990.

External Reviewer, Graduate Program in Cell Biology, University of Miami, School of Medicine, 1989.

Chairman, NIH National Institutes of Health Site Visit/Study Section, High Voltage EM Facility, University of Colorado, 1989.

Member, American Association of Anatomists, Bensley Award Committee, 1989-1991.

Member, Public Policy Committee, American Society for Cell Biology, 1989-1997.  
Organizer, Session on the Public Image of Scientists, ASCB Meeting, Houston, 1989.  
Member, Subcommittee to investigate changing the topic of the journal, "Anatomical Record", American Association of Anatomists, 1989.  
Chairman, Nominating Committee for the American Association of Anatomists, 1990-1991.  
Member of the Executive Committee of Board of Trustees, Marine Biological Laboratory, 1990-1994.  
President-Elect, American Association of Anatomy Chairmen, 1990.  
Executive Committee Member, American Association of Anatomy Chairmen, 1990-1991.  
Organizer, Session on the Public Image of the Scientist, Dr. Jon Miller, ASCB Meeting, San Diego, 1990.  
American Cancer Society Site Visit to laboratory of Dr. J.R. McIntosh, Boulder, 1991.  
Member, Biomedical Chairs Caucus, Washington, 1991-1992.  
Member, Strategic Planning Committee for the American Association of Anatomists, 1992-1993.  
Member, Basic Biomedical Science Chairman's Caucus, 1992.  
President, American Association of Anatomy, Cell Biology and Neuroscience Chairpersons, 1992.  
Consultant, Miles/Bayer Company, 1992-1995.  
Member, Board of Trustees Transition Committee, Marine Biological Laboratory, Woods Hole, 1992.  
Member, Task Force to Reorganize the American Association of Anatomists, 1992.  
External Reviewer, Cell Biology Program at Columbia University Medical School, 1992.  
Member, Executive Committee of the Association of Anatomy, Cell Biology and Neurobiology Chairpersons, 1992.  
Charter Member, Whitman Society, Marine Biological Laboratory, 1992.  
Organizer (with Dr. Erich Nigg of Lausanne) of the 3rd Joint American Society for Cell Biology/European Molecular Biology Organization Meeting. Topic, "Cellular and Molecular Biology of Intermediate Filaments", Airlie House, 1993.  
Chairman of the Research Resources and Facilities Committee of the Board of Trustees, Marine Biological Laboratory, 1993-1996.  
Local Arrangements Committee, International Science Literary Conference, Chicago, 1993.  
Organizing Committee, Chicago Academy of Sciences, KIDS and TEEN Program, 1994-1998.  
Chair, Special Study Section, DRG/NIH, IP Grant Proposal, 1995.  
Member, Scientific Advisory Council, Carl Zeiss Inc., 1995-2002.  
Co-organizer with Jon Miller, Chicago Academy of Sciences, Science Scene: KIDS and TEENS Program. Funded by Howard Hughes Medical Research Institute, 1994-1998.  
Member, British Cancer Research Campaign Site Visit, Manchester, England.  
Internal Advisory Committee, George O'Brien Kidney and Urology Research Center, NUMS, 1996.  
Member, Scientific Advisory Board, Cytoskeleton, Inc., 1996-2000.  
Editor (with D. Spector and L. Leinwand), "Cells: A Manual for Cell Biology", Cold Spring Harbor Press, 1996-97.  
Member, Editorial Board, Journal of Structural Biology, 1997-2001.  
Editor, Section on Intermediate Filaments, "The Cytoskeletal Guidebook" (Vale and Kreis), Oxford University Press, 1997.  
Elected to Board of Directors, American Association for the Advancement of Science, 1997-2001.  
Organizer, 1997 NASA Symposium, "The Cytoskeleton: Mechanical, Physical and Biological Interactions", Woods Hole MA.  
Member, Steering Committee, Marine Biological Laboratory Capital Campaign, 1997-2002.  
Member, Host Committee, International Conference on Literacy in Science and Technology, Chicago, 1997.  
Mentor, American Society for Cell Biology Minority Affairs Program, Marine Biological Laboratory, 1997.

Member, Ad-Hoc Committee to select Director of the Physiology Course, Marine Biological Laboratory, 1997-1998.

Member, Advisory Board of the Author/Biologist Institute, Center for Children's Environmental Literature, 1997-1998.

Member, Committee on the Public Understanding of Science and Technology, American Association for the Advancement of Science, 1997-2006.

Organizer (with David Spector, John Newport, and Pam Silver), First Cold Spring Harbor Meeting on Dynamics of Nuclear Organization, 1998.

Member, Committee on Science, Ethics and Religion, American Association for the Advancement of Science, 1998-2001.

Member, Compensation Committee of the Board of Directors, American Association for the Advancement of Science, 1999-2001.

Member, Advisory Board of Logos Partners, Inc., 1999-2000.

Member, Human Stem Cell Working Group, American Association for the Advancement of Science, 1999-2000.

Member and Spokesperson, Patient Care Advocacy Group, Juvenile Diabetes Association and Parkinson's Foundation, Meeting with Editorial Board of Chicago Tribune. Topic "Use of Human Embryonic Stem Cells in Biomedical Research", 1999.

AAAS representative and participant, Catholic Bishops Conference on the Use of Human Stem Cells, Washington, DC, 1999.

Chair, Advisory Committee on Future of NASA Life Sciences Center at the Marine Biological Laboratory, 2000.

Honorary Member, Organizing Committee, 7<sup>th</sup> Mejbaum-Katzenellenbogen's Seminar on Molecular Biology, Breslau, Poland, 2000.

Member, International Advisory Board/Organizing Committee of the Advanced Study Institute on Large Scale Structures via Self-Assembly: Soft Matter, Supramolecular Chemistry and Biology, Grenoble, France, 2000.

Organizer (with David Spector), Second Cold Spring Harbor Meeting on Dynamics of Nuclear Organization, 1999-2000.

Editorial Board, Journal of Submicroscopic Cytology and Pathology, 2000-2008.

Organizer (with David Parry and John Squire), Workshop on Fibrous Proteins, "Coiled-Coils, Collagen and Co-Proteins III", Alpbach, Austria, 2001.

Member, Human Embryonic Stem Cell Advisory Board, Juvenile Diabetes Foundation, 2000-2010.

Member, Scientific Advisory Board, French-American Colloquium on the Cytoskeleton in Health and Disease, 2001.

Member, Royal Swedish Academy of Sciences Committee to Select Director of the Kristineberg Marine Station, 2001.

Member, Advisory Board for the Healthy People 2010 Library Initiative, American Association for the Advancement of Science, 2001-2006.

External Reviewer for the Graduate Programs in the Biological Sciences at the City University of New York, 2001.

Trustee of The Keith R. Porter Endowment for Cell Biology, 2002-2006.

Member, Science and Policy Review Committee, American Association for the Advancement of Science, 2002.

Member, Task Force Phases I, II, and III for Strategic Planning, Marine Biological Laboratory, 2003.

Member, National Institutes of Health Reorganization of Study Sections in Cell Biology Committee (Molecular Approaches to Cell Functions and Interactions, MACFI), 2003.

Member, National Institutes of Health Review Panel, Washington DC, 2003.

Interim Director of the Whitman Center, Marine Biological Laboratory, Woods Hole, 2003.

Chair, Committee on Renovating the Whitman Research Building, Marine Biological Laboratory, Woods Hole MA, 2003-2005.

Member, Committee on the Public Understanding of Science and Technology, American Association for the Advancement of Science, 1997-2006

External Reviewer for the Department of Cellular and Molecular Medicine and Chairperson Marilyn Farquhar, University of California, San Diego, 2003.

Chair, Planning Committee, Annual Basic Science Colloquium, First Annual Chicago Cytoskeleton Conference, “The Cytoskeleton in Health and Disease”, Chicago, 2003.

Member, Committee on Nominations, American Association for the Advancement of Science, 2004-2007.

Director, Whitman Center for Summer and Visiting Scientists, Marine Biological Laboratory, Woods Hole MA, 2004-2012.

Consultant, Covance, 2004.

Chairman, Open Meeting sponsored by the Royal College of Medicine and the Physiological Society on Nuclear Organization in Development and Disease, London, 2004.

Chairman, Novartis Foundation Symposium 265, Nuclear Organization in Development and Disease, London, 2004.

Participant, “Future of the Young Investigator” Public Meeting, National Academy of Sciences, 2004.

Reviewer, final report, “Future of the Young Investigator”, National Academy of Sciences, 2004.

Member, Executive Search Committee, Marine Biological Laboratory, Woods Hole, 2004.

Member, Positioning and Brand Development Committee, Marine Biological Laboratory, Woods Hole, 2005

Member, Image and Identity Task Force, Marine Biological Laboratory, Woods Hole MA, 2005.

Associate Editor, The FASEB Journal, 2005-

Editorial Advisory Board, International Review of Cytology, Survey of Cell Biology series, Vol. 248, edited by Kwang W. Jeon. Academic Press, Elsevier. 2006.

Editorial Advisory Board, Cold Spring Harbor Laboratory Manuals 2006-.

President-elect, American Society for Cell Biology, 2007.

Member, Executive Committee, American Society for Cell Biology, 2007-2009.

Scientific Advisory Committee, Progeria Research Foundation, 2007.

Member, Organizing Committee, 10<sup>th</sup> Congress of the Iberoamerican Society for Cell Biology, 2007.

President, American Society for Cell Biology, 2008.

Vice Chair, Gordon Conference on Intermediate Filaments (2010), Chair (2012).

Member, ad hoc NIH Cell Biology grant application review panel, 2008.

Past President, American Society for Cell Biology, 2009.

Chair, Nominations Committee, American Society for Cell Biology, 2009.

Chairman, Committee on Terms of Service, American Society for Cell Biology, 2009.

Moderator and member, NIH workshop on The Role of the Cytoskeleton in Cellular Aging, National Institutes of Health/National Institute on Aging, Bethesda MD, 2009.

Editor (with David Spector and Jason Swedlow), Live Cell Imaging, Second Edition. Cold Spring Harbor Laboratory Press (2009).

Scientific Advisory Board of the Institute of Medical Biology, Singapore, 2009-2012.

Editorial Board, Nucleus, 2009-

Scientific Advisor and Member, Organizing Committee, 6<sup>th</sup> International Workshop/10<sup>th</sup> Anniversary Workshop, Progeria Research Foundation, 2009.

Chairman, Whitman Center Advisory Committee, Marine Biological Laboratory, Woods Hole MA, 2009-2012.

Scientific Advisory Board, “The Cell”, a PBS Special for television, schools and museums (2011), Wide Eyed Entertainment, London. 2009-2013.

Member, Advisory Board, Cell Image Library Project, American Society for Cell Biology and the Institute of General Medical Sciences, 2009-2012.

Associate Editor (with Ueli Aebi and Tom Pollard), BioArchitecture , 2009-.

Member, Public Policy Committee, American Society for Cell Biology, 2009-2013.

Member, Gruss-Lipper Fellowship Advisory Board, 2009-

Associate Editor, Molecular Biology of the Cell, 2010-  
Editorial Board, Advances in Biological Regulation, 2010-  
Member, Euro-BioImaging Independent Evaluation Board, 2013-  
Editorial Board, Aging Cell, 2013-  
Research Advisory Committee, National Center for Microscopy and Imaging Research  
(NCMIR), 2014-  
Editorial Board, Nature Scientific Reports, 2015-  
Co-chairman and Speaker, Lamins Session, Cold Spring Harbor Meeting on Nuclear  
Organization and Function, 2015.  
Editor (with Tom Pollard), The Cytoskeleton. Cold Spring Harbor Laboratory Press (2017).

## **REVIEWER FOR THE FOLLOWING JOURNALS**

Advances in Biological Regulation  
Aging Cell  
Cell  
Cell Motility and the Cytoskeleton  
Current Biology  
Current Opinion in Cell Biology  
Development  
Developmental Biology  
EMBO Journal  
European Journal of Cell Biology  
Experimental Cell Research  
FASEB Journal  
Genes and Development  
Journal of Biological Chemistry  
Journal of Cell Biology  
Journal of Cell Science  
Journal of Molecular Biology  
Journal of Neurochemistry  
Journal of Neuroscience  
Journal of Structural Biology  
Molecular Biology of the Cell  
Nature  
Neuron  
Nucleus  
Proceedings of the National Academy of Sciences  
Public Library of Science (PLoS)  
PLoS ONE  
Science

## **SOCIETIES**

American Association for the Advancement of Science  
American Association of Anatomy, Cell Biology and Neuroscience Chairpersons  
American Society for Cell Biology  
Whitman Society, Marine Biological Laboratory  
Corporation Member, Marine Biological Laboratory

## **RECENT GRANT SUPPORT**

Hannah's Hope Fund  
National Cancer Institute  
National Institute on Aging  
National Institute of General Medical Sciences  
Progeria Research Foundation

## **PREVIOUS GRANT SUPPORT**

Ellison Medical Foundation  
Gruss Lipper Family Foundation  
Ruth L. Kirschstein National Research Service Award Fellowship, Dr. Brian T. Helfand  
Les Turner ALS Foundation  
Muscular Dystrophy Association  
National Institute for Dental and Craniofacial Research  
National Institute of Skin and Skeletomuscular Diseases  
National Institute on Aging  
National Institutes of Health Fogarty International Fellowship, Dr. John Eriksson  
NIH National Institutes of Health Predoctoral Fellowship, Karen Straube  
NIH National Institutes of Health Predoctoral Fellowship, Reynold Lopez-Soler  
State of Illinois University Student Fellowship, Amy Trejo  
Swiss Federal Government Postdoctoral Fellowship, Dr. Omar Skalli  
National Institutes of Neurological Disorders and Stroke, Stem Cell Center of Excellence, Co-Director

## **MISCELLANEOUS GRANT REVIEW**

Australian, Swiss, Israeli, Italian, and Canadian Government Grant Programs; Human Frontier Program; The Wellcome Trust, and the British Cancer Research Campaign.

## **GRADUATE STUDENTS/POSTDOCTORAL FELLOWS TRAINED AND THEIR CURRENT AFFILIATIONS**

### **Predoctoral Students**

1969-1973 C-M. Chang, Director, EM Facility, University of California, San Diego CA.\*  
1969-1973 Lois M. Dickerman, Case Western Reserve University, Pediatrics/Genetics  
Center, Cleveland OH.\*  
1969-1973 M.L. Miller, Case Western Reserve University, Cleveland OH.\*  
1971-1976 Jeffrey Schloss, Program Director, Research Centers Branch, NHGRI/NIH,  
Mammalian Genomics, Bethesda MD.  
1971-1976 M.J. Yerna, Belgium.\*  
1972-1977 Eugenia Wang, Dept. of Biochemistry and Molecular Biology, Chair in Aging  
Research,  
Gheens Center on Aging, University of Louisville.  
1972-1976 Martha Aynardi-Whitman, Penn State University, Wyomissing PA.\*  
1974-1978 Judith Starger, NY.\*  
1980-1986 John Talian, Vice President, Regulatory Affairs, Hurley Consulting Associates.



1984-1986 HsiYuan Yang, Professor, Dept. of Anatomy, Institute of Molecular and Cellular Biology, Taiwan University.

1984-1994 Karen Straube-West, Associate Professor, State University of New York Health Science Center, Dept. of Neurology, Syracuse NY.

1985-1986 Karen Yokoo (medical student trainee) plastic surgeon, Richmond CA.

1986-1990 Karen Vikstrom, Associate Professor, Dept. of Pharmacology, University of Syracuse, NY.

1987-1993 Rita Miller, Associate Professor, Center for Health Sciences, Oklahoma State University, Stillwater OK.

1988-1989 Ellen Rosevear, (masters student) Occupational Therapy, Grand Rapids MI.

1995-2000 Puneet Opal, Associate Professor, Dept. of Neurology, Feinberg School of Medicine, Northwestern University.

1992-1998 Amy Trejo-Skalli, Section Head, Personal Health Technology, Proctor and Gamble, Cincinnati OH.

1995-2001 Miri Yoon, patent lawyer.\*

1995-2002 Veena Prahlad, Assistant Professor, Aging Mind & Brain Initiative, Dept. of Biology, University of Iowa.

1996-2001 Reynold Lopez-Soler, Transplant Surgeon, Albany NY.

1999-2005 Brian Helfand, Physician, NorthShore University Health System Medical Group, Glenview IL.

2001-2005 Lynne Chang, Strategic Marketing Manager, Nikon Instruments.

2003-2009 Melissa Mendez, Postdoctoral Fellow, NCATS, NIH, Bethesda.

2005-2008 Shiv Sivaramakrishnan (co-mentor), Assistant Professor, Cell and Developmental Biology, University of Michigan Medical School.

2006-2013 Boris Grin, MD/PhD, Intern, Medical College of Wisconsin.

\*Last known address.

### **Postdoctoral Fellows**

1974-1977 Amy Milsted, Professor, Dept. of Biology, University of Akron.

1979-1984 Robert Zackroff, Professor of Biology, College of Pharmacy and Health Sciences, Boston MA.

1980-1983 Evelyn Niday, Miles Inc.\*

1981-1983 Hamid Khan. Unknown.

1981-1987 Jonathan C.R. Jones, Professor and Director, School of Molecular Biosciences, Washington State University, Pullman.

1982-1985 Norman Lieska, Associate Professor, Dept. of Anatomy and Cell Biology, University of Illinois at Chicago.

1982-1987 Kathleen Green, Professor, Dept. of Pathology, Feinberg School of Medicine, Northwestern University.

1983-1985 Shohei Maekawa, Professor, Dept. of Cell Biology, Kobe University.

1983-1986 David E. Hill, M.D. Unknown.

1984-1985 Kiyoshi Takeuchi, Hokkai-Gakuen University, Sapporo, Japan.

1984-1986 Linda Parysek, Professor, University of Cincinnati, Dept. of Cell Biology and Anatomy.

1984-1987 Stephanie Aamodt, Professor, Dept. of Biology, Louisiana State University, Shreveport.

1987-1991 George Dessev, Colorado (Retired).

1988-1992 Russell Kohnken, Molecular Geriatrics, Inc., Lake Bluff IL.

1988-1995 Omar Skalli, Associate Professor and Director of the Integrated Microscope Facility, University of Memphis.

1990-1992 Keith Murphy, Chair and Director, Clemson University Genomics Institute.

1995-2003 1990-1993 John Eriksson, Professor and Chair of Cell Biology, Chair of Turku Bioimaging, Abo Akademi University, Turku, Finland.

1991-2002 Robert Moir, Intellectual Property Lawyer, Michigan.

1994-2002 Timothy Spann. Deceased.

1994-2002 Patricia Loomis. Research Assistant Professor and Director of Microscope Facility, Rosalind Franklin University.

1995-1997 Sophie Clement, University of Geneva-CMU, Dept. of Pathology, Geneva, Switzerland.

1998-2000 Bryan H. Clubb, Promega.\*

1999-2002 Laura Linz, Postdoctoral Fellow, Johns Hopkins University.

2001-2008 Dale Shumaker, Research Assistant Professor, Dept. of Medicine, Pulmonary Division, Feinberg School of Medicine, Northwestern University, Chicago.

2004-2005 Yuan Lin. Unknown.

2004-2009 Thomas Dechat, Research Associate, Medical University of Vienna, Austria.

2006-2008 Liliana Solimando, Bologna, Italy. \*

2006-2008 Katrin Pflughar, Research Associate, LMU Biozentrum, Munich.

2006-2009 Kaushik Sengupta, Associate Professor, Saha Institute of Nuclear Physics, Kolkata, India.

2009-2015 Veronika Butin-Israeli, Research Assistant Professor, Dept of Pathology, Feinberg School of Medicine, Northwestern University, Chicago.

2007-2008 Shin-ichiro Kojima, Assistant Professor, Dept. Chemistry, Gakushuin University, Tokyo.\*

2008-2009 Pekka Taimen, Assistant Professor of Pathology, University of Turku, Finland.

2010-2014 Saleem Mahammad, McMaster University, Quebec City, Quebec, Canada.

2011-2012 Megan Cleland, Research Associate, Medical College of Wisconsin-Milwaukee.

2014-2015 Nikhil Jain, Postdoctoral Fellow, University of Zurich.\*

2006-2014 Takeshi Shimi, Research Assistant Professor, Department of Biochemistry and Molecular Genetics, Feinberg School of Medicine, Northwestern University, Chicago.

2012-2015 Jason Lowery, Beckman Coulter, Indianapolis IN.

2015-2016 Shivani Agarwal, Department of Dermatology, Feinberg School of Medicine, Northwestern University, Chicago.

2015-2017 Didzis Pilans. Unknown. Chicago.

2016-2017 Amelie Robert.

2016-Present Amir Vahabikashi.

2017-Present Mark Kittispikul.

2017-Present Takeshi Shimi, Adjunct Associate Professor, Dept. of Cell and Molecular Biology, Feinberg School of Medicine, Northwestern University, Chicago, and Special Associate Professor, Tokyo Institute of Technology, World Research Hub Initiative.

2019-Present Suganya Sivagurunathan.

\*Last known address.

### **Visiting Trainees**

1991-1992 Raluca Gagesu, University of Geneva, Switzerland.

1996 Nieve Sheridan, University of Dundee, UK.

1998-1999 June Obondo, University of Stockholm, Sweden.

2000 Lothar Schmelleh, Ludwig Maximilians Institute, Germany

2000-2001 Ute Paltzelt, German Cancer Research Center, Department of Cell Biology, Heidelberg, Germany.

2001 Laurent Kreplach, Mueller Institute for Structural Biology, Basel, Switzerland.

2004 Birthe Fahrenkrog, Mueller Institute, Basel, Switzerland.  
 2004 Hanna-Mari Pallari, University of Turku, Finland.  
 2005 Louise Bertilson, Department of Cell Biology, Stockholm University, Sweden.  
 2008 Vitaly Kochin, Turku Centre for Biotechnology, Finland.  
 2009 Katrin Pflieger, LMU Biozentrum, Martinsried (Munich), Germany.  
 2009 Shin-ichiro Kojima, Gakushuin University, Tokyo, Japan.  
 2012 Nadine Nilles, University of Brussels, Belgium.  
 2012 Stefan Winheim, German Cancer Research Center DKFZ, Heidelberg, Germany.  
 2013 Yagmur Turgay, Zurich University, Switzerland.  
 2016, 2017 Rong Qiu, Illinois Wesleyan University, Bloomington IL.  
 2018 Laura Virtanen, University of Turku, Finland.

### **Visiting Scholars**

1996,1998, Frederick W. Flitney, University of St. Andrews, School of Biomedical Sciences,  
 2000-2007 Scotland  
 1998-1999 Kyeong-Han Yoon, Department of Dermatology, Ajou University School of  
 Medicine, Suwon, Korea.  
 1999-2000 Harald Herrmann, German Cancer Research Center, Department of Cell Biology,  
 Heidelberg, Germany.  
 2002-2003 Claude Delsert, CRBM-CNRS, Montpellier, France.  
 2004 Birthe Fahrenkrog, University of Brussels, Belgium.  
 2001-2003 Professor Yosef Gruenbaum, Chair, Department of Genetics, Hebrew University,  
 Jerusalem, Israel.  
 2004, 2013 Professor John Eriksson, University of Turku, Finland.  
 2004 Alexander Kohlmeier, Research Institute of Molecular Pathology, Vienna.  
 2005 Professor Uno Lindberg, Department of Cell Biology, Arrhenius Lab for Natural  
 Sciences, Stockholm University, Sweden.  
 2006 Alexander Kohlmaier, Research Institute of Molecular Pathology, Vienna,  
 Austria.

### **PUBLICATIONS (exclusive of abstracts)**

1. Goldman RD (1967). The structure and some properties of the isolated mitotic apparatus. PhD thesis submitted to Princeton University.
2. Rebhun LI, Sander G, Goldman RD and Bernstein L (1967). The organization of mitotic apparatus (MA). Seventh International Congress of Biochem. Symp. V1-4, 6.
3. Goldman RD and Rebhun LI (1969). The structure and some properties of the isolated mitotic apparatus. J Cell Sci Jan 4(1):179-209. PMID: 4180667
4. Forer A and Goldman RD (1969). Comparisons of isolated and *in vivo* mitotic apparatuses. Nature May 17;222(5194):689-691. PMID: 5813974
5. Goldman RD and Follett EAC (1969). The structure of the major cell processes of isolated BHK-21 fibroblasts. Exp Cell Res Oct 57:263-276. PMID: 4899847
6. Follett EAC and Goldman RD (1970). The occurrence of microvilli during spreading and growth of BHK-21/C13 fibroblasts. Exp Cell Res Jan;59:124-136. PMID: 5448185
7. Goldman RD and Follett EAC (1970). Birefringent filamentous organelle in BHK-21 cells and its possible role in cell spreading and motility. Science Jul 17;169:286-288. PMID: 4915821

8. Goldman RD (1971). The role of three cytoplasmic fibers in BHK-21 cell motility. I. Microtubules and the effects of colchicine. *J Cell Biol* Dec;51:752-762. PMID: 4942774 PMCID: PMC2108053
9. Goldman RD (1972). The effects of cytochalasin B on the microfilaments of baby hamster kidney (BHK-21) cells. *J Cell Biol* Feb;52:246-254. PMID: 5061947 PMCID: PMC2108645
10. Forer, A and Goldman RD (1972). The concentrations of dry matter in mitotic apparatuses in vivo and after isolation from sea urchin zygotes. *J Cell Sci* 10 (2):387-418. PMID:4553008
11. Goldman RD and Knipe D (1973). Functions of cytoplasmic fibers in non-muscle cell motility. *Cold Spring Harb Symp Quant Biol* 37:523-534.
12. Goldman RD, Pollack R and Hopkins NH (1973). Preservation of normal behavior by enucleated cells in culture. *PNAS (USA)* 70:750-754. PMID: 4197626 PMCID: PMC433350
13. Pollack R and Goldman RD (1973). Synthesis of infective poliovirus in BSC-1 monkey cells enucleated with cytochalasin B. *Science* 179:915-916.
14. Goldman RD, Berg C, Bushnell A, Chang CM, Dickerman L, Hopkins N, Miller ML, Pollack R and Wang E (1973). Fibrillar systems in cell motility. *CIBA Symposium No. 14, Locomotion of Tissue Cells*. Elsevier-North Holland NY, pp. 83-107. PMID: 4130536
15. Chang CM and Goldman RD (1973). The localization of actin-like fibers in cultured neuroblastoma cells as revealed by heavy meromyosin binding. *J Cell Biol* 57(3):867-874. PMID: 4572924 PMCID: PMC2109000
16. Dickerman LH and Goldman RD (1973). A rapid method for production of binucleate cells. *Exp Cell Res* 83(2):433-436. PMID: 4593589
17. Goldman RD and Pollack R (1974). Uses of enucleated cells. *Methods Cell Bio* 8:123-143. PMID: 4366068
18. Pollack R, Goldman RD, Conlon S and Chang CM (1974). Properties of enucleated cells. II. Characteristic overlapping of transformed cells is re-established by enucleates. *Cell* 3(1):51-54. PMID: 4370294
19. Goldman RD, Lazarides E, Pollack R and Weber K (1975). The distribution of actin in non-muscle cells: the use of actin antibody in the localization of actin within the microfilament bundles of mouse 3T3 cells. *Exp Cell Res* 90(2):333-344. PMID: 1089542
20. Goldman RD, Chang C and Williams JF (1975). Properties and behavior of hamster embryo cells transformed by human adenovirus Type 5. *Cold Spring Harb Symp Quant Biol Tumor Viruses* 39(Pt1):601-614. PMID: 169093
21. Weber K, Lazarides E, Goldman RD, Vogel A and Pollack R (1975). Localization and distribution of actin fibers in normal, transformed and revertant cells. *Cold Spring Harb Symp Quant Biol Tumor Viruses* 39(Pt1):363-370. PMID: 169080
22. Goldman RD, Pollack R, Chang CM and Bushnell A (1975). Properties of enucleated cells. III. Changes in cytoplasmic architecture of enucleated BHK-21 cells following trypsinization and replating. *Exp Cell Res* 93(1):175-183. PMID: 1170079
23. Goldman RD (1975). The use of heavy meromyosin binding as an ultrastructural cytochemical method for localizing and determining the possible functions of actin-like microfilaments in non-muscle cells. *J Histochem Cytochem* 23(7):529-542. PMID: 1095652
24. Dickerman LH and Goldman RD (1976). The production of binucleate mammalian cell populations. in *Methods in Cell Biology* (ed. Prescott D). Academic Press 14:81-86. PMID: 794632
25. Albrecht-Buehler G and Goldman RD (1976). Microspike-mediated particle transport towards the cell body during early spreading of 3T3 cells. *Exp Cell Res* Feb;97(2):329-339. PMID: 1248523

26. Goldman RD, Schloss JA and Starger JM (1976). Organizational changes of actin-like microfilaments during animal cell movement. in *Cell Motility* (ed. Goldman RD, Pollard T and Rosenbaum J). Cold Spring Harbor Laboratory Press, pp. 217-245.
27. Goldman RD, Pollard T and Rosenbaum J editors (1976). *Cell Motility*. in Cold Spring Harbor Conferences on Cell Proliferation, Books A, B, and C, Volume 3, pp. 1373.
28. Goldman RD, Yerna MJ and Schloss JA (1976). Localization and organization of microfilaments and related proteins in normal and virus-transformed cells. *J Supramol Struct* 5(2):155-183. PMID: 794589
29. Goldman RD (1977). Microfilaments. in 1977 McGraw-Hill Yearbook of Science and Technology, pp. 155-157.
30. Starger JM and Goldman RD (1977). Isolation and preliminary characterization of 10nm filaments from baby hamster kidney (BHK-21) cells. *Proc Natl Acad Sck USA* 74(6):2422-2426. PMCID: PMC432184
31. Schloss JA, Milsted A and Goldman RD (1977). Myosin subfragment binding for the localization of actin-like microfilaments in cultured cells. A light and electron microscope study. *J Cell Biol Sep;74(3):794-815*. PMID: 71303 PMCID: PMC2110091
32. Kobayashi R, Goldman RD, Hartshorne DJ and Field JB (1977). Purification and characterization of myosin from bovine thyroid. *J Biol Chem Nov 25;252(22):8285-8291*. PMID: 914871
33. Yerna MJ, Aksoy MO, Hartshorne DJ and Goldman RD (1978). BHK-21 myosin: isolation, biochemical characterization and intracellular localization. *J Cell Sci* 31:411-429. PMID: 149798
34. Starger JM, Brown WE, Goldman AE and Goldman RD (1978). Biochemical and immunological analysis of rapidly purified 10nm filaments from baby hamster kidney BHK-21 cells. *J Cell Biol* 78(1): 93-109. PMID: 566763 PMCID: PMC2110160
35. Wang E and Goldman RD (1978). Functions of cytoplasmic fibers in intracellular organelle movements in BHK-21 cells. *J Cell Biol* 79(3):708-726. PMID: 569659 PMCID: PMC2110264
36. Steinert PM, Zimmerman SB, Starger JM and Goldman RD (1978). Ten nanometer filaments of hamster BHK-21 cells and epidermal keratin filaments have similar structures. *Proc Natl Acad Sci* 75(12):6098-6101. PMID: 282627 PMCID: PMC393125
37. Yerna MJ, Dabrowska R, Hartshorne DJ and Goldman RD (1979). Calcium-sensitive regulation of actin-myosin interactions in baby hamster kidney (BHK-21) cells. *Proc Natl Acad Sci* 76(1):184-188. PMID: 154671 PMCID: PMC382901
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39. Goldman RD, Chojnacki B and Yerna MJ (1979). Ultrastructure of microfilament bundles of BHK-21 cells: the use of tannic acid. *J Cell Biol* 80(3):759-766. PMID: 379017 PMCID: PMC2110360
40. Goldman RD, Milsted A, Schloss JA, Starger JM and Yerna MJ (1979). Cytoplasmic fibers in mammalian cells: cytoskeletal and contractile elements. *Annu Rev Physiol* 41:703-722 Review. PMID: 373606
41. Schloss JA and Goldman RD (1979). Isolation of a high molecular weight actin-binding protein from BHK-21 cells. *Proc Natl Acad Sci USA* 76(9):4484-4488. PMID: 291980 PMCID: PMC411601
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43. Steinert PM, Starger JM and Goldman RD (1980). Homologous structures of 100Å filaments and mammalian keratin filaments. in *Proceedings of the International Conference on Fibrous Proteins, New Zealand*. Academic Press.

44. Steinert PM, Idler WW and Goldman RD (1980). Intermediate filaments of baby hamster kidney (BHK-21) cells and bovine epidermal keratinocytes have similar ultrastructures and subunit domain structures. *Proc Natl Acad Sci USA* 77(8):4534-4538. PMID: 6159631 PMCID: PMC349878
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47. Schloss JA and Goldman RD (1980). Microfilaments and tropomyosin of cultured mammalian cells: isolation and characterization. *J Cell Biol* 87(3 Pt 1):633-642. PMID: 6893987 PMCID: PMC2110773
48. Goldman RD, Chojnacki B, Goldman AE, Starger JM, Steinert PM, Talian J, Whitman M and Zackroff RV (1981). Aspects of the cytoskeleton and cytomusculature of non-muscle cells. in *Cytoskeletons and the Architecture of Nervous Systems*. *Neurosci Res Prog Bull Feb*;19(1):59-82. PMID: 6894186
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50. Zackroff RV, Steinert PM, Aynardi-Whitman M and Goldman RD (1981). Intermediate Filaments. in *Cytoskeletal Elements and Plasma Membrane Organization* (eds. Nicolson GL and Poste G). North Holland ,NY, pp. 55-97.
51. Steinert PM, Zackroff RV, Aynardi-Whitman M and Goldman RD (1982). Isolation and characterization of intermediate filaments. *in Methods in Cell Biology* (ed. Wilson L). Academic Press 24:399-419. PMID: 6178945
52. Steinert PM, Idler W, Aynardi-Whitman M, Zackroff RV and Goldman RD (1982). Heterogeneity of intermediate filaments assembled *in vitro*. *Cold Spring Harb Symp Quant Biol XLVI*:465-474. PMID: 6179700
53. Zackroff RV, Idler WW, Steinert PM and Goldman RD (1982). *In vitro* reconstitution of intermediate filaments from mammalian neurofilament triplet polypeptides. *Proc Natl Acad Sci USA Feb*;79(3):754-757. PMID: 6950425 PMCID: PMC345830
54. Jones JCR, Goldman AE, Steinert PM, Yuspa S and Goldman RD (1982). Dynamic aspects of the supramolecular organization of intermediate filament networks in cultured epidermal cells. *Cell Motil Cytoskeleton* 2(3):197-213. PMID: 6756644
55. Hayden JH, Allen RD and Goldman RD (1983). Cytoplasmic transport in keratocytes: direct visualization of particle translocation along microtubules. *Cell Motil Cytoskeleton* 3(1):1-19. PMID: 6601992
56. Talian JC, Olmsted JB and Goldman RD (1983). A rapid procedure for preparing fluorescein-labelled specific antibodies from whole antiserum: its use in analyzing cytoskeletal architecture. *J Cell Biol* 97(4):1277-1282. PMID: 6413513 PMCID: PMC2112630
57. Green KJ and Goldman RD (1983). The effects of taxol on cytoskeletal components in cultured fibroblasts and epithelial cells. *Cell Motil Cytoskeleton* 3:283-305. PMID: 6139172
58. Aynardi-Whitman M, Steinert PM and Goldman RD (1984). Human epithelial cell intermediate filaments: isolation, purification, and characterization. *J Cell Biol* 98(4):1407-1421. PMID: 6538880 PMCID: PMC2113201
59. Zackroff RV, Goldman AE, Jones JCR, Steinert PM and Goldman RD (1984). Isolation and characterization of keratin-like proteins from cultured cells with fibroblastic morphology. *J Cell Biol* 98(4):1231-1237. PMID: 6201488 PMCID: PMC2113247

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61. Steinert PM, Jones JCR and Goldman RD (1984). Intermediate Filaments. *J Cell Biol* 99 (1 Pt 2):22s-27s. PMID: 6204990 PMCID: PMC2275592
62. Jones JCR, Arnn J, Staehelin LA and Goldman RD (1984). Human autoantibodies against desmosomes: possible causative factors in pemphigus. *Proc Natl Acad Sci USA* 81(9):2781-2785. PMID: 6201863 PMCID: PMC345154
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64. Yang HY, Lieska N, Goldman AE and Goldman RD (1985). A 300,000-mol-wt intermediate filament-associated protein in baby hamster kidney (BHK-21) cells. *J Cell Biol* 100(1):620-631. PMID: 3881459 PMCID: PMC2113446
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