**MlNA J. BISSELL, Ph.D.**

Distinguished Senior Scientist,

Biological Systems and Engineering Division, Lawrence Berkeley National Laboratory;

One Cyclotron Road, MS 977–225, Berkeley, CA 94720, USA

Faculty, Four Graduate Groups at UC Berkeley: Comparative Biochemistry,

Endocrinology, Molecular Toxicology, Bioengineering (UCSF/UCB Joint)

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Website: http://www2.lbl.gov/LBL-Programs/lifesciences/BissellLab/main.html

**EDUCATION AND TRAINING**

Bryn Mawr College; Bryn Mawr, PA 1961 Chemistry, transferred

Radcliffe College/Harvard University; Cambridge, MA 1963 A.B., Chemistry (Cum Laude)

Harvard Medical School; Cambridge, MA 1969 Ph.D., Bacteriology and Molecular Genetics

Harvard University; Cambridge, MA 1969-70 Milton Fellow

University of California, Berkeley, Dept of Molec Biol; CA 1970-72 American Cancer Society Fellow

**POSITIONS**

1972–1976 Staff Biochemist, Lawrence Berkeley National Laboratory (LBNL)

1976–Present Senior Staff, LBNL

1979–Present Faculty, Graduate Group in Comparative Biochemistry, UC Berkeley (UCB)

1982 Distinguished Visiting Professor, Queensland Institute Medical Research, Brisbane, Australia

1987 Welcome Visiting Professor in Cell Biology, University of Cincinnati Medical School, OH

1988–1992 Director, Cell & Molecular Biology Division, LBNL

1992–2002 Director, Life Sciences Division (inclusion of Cell & Molec Biol), LBNL

1995–2002 Associate Laboratory Director for all Biosciences, LBNL

2001–Present Faculty, Graduate Group in Endocrinology, UCB

2002–Present Faculty, Graduate Group in Molecular Toxicology, UCB

2002–Present Distinguished Senior Scientist, LBNL (Highest Rank)

2002–Present Senior Advisor to the Laboratory Director on Biology, LBNL

2008–Present Faculty, Graduate Group in Bioengineering, UCB/UCSF

2009–2015 Advisor to the Life Sciences Division Director, LBNL

2010–Present Mentor, Biology Scholars Program-IMSD, UCB

2015–Present Advisor to the Biological Systems and Engineering Division Director, LBNL (Continuation of Life Sci)

**HONORS AND AWARDS**

**HONORARY DOCTORATES:**

2001 Honorary Doctorate, Pierre et Marie Curie University, Paris, France

2004 Honorary Doctorate, University of Copenhagen

2018 Doctor of Science honoris causa, Elmezzi Graduate School of Molecular Medicine

**ELECTION TO HONORARY SOCIETIES:**

1994 Fellow, American Association for Advancement of Science

1997 Fellow, National Academy of Medicine; Previously Institute of Medicine of the National Academies (IOM)

2002 Fellow, American Academy of Arts and Sciences

2007 Fellow, American Philosophical Society

2010 Fellow, Royal Society of Chemistry

2010 Fellow, National Academy of Sciences

2013 Inaugural Class of Fellows of the American Association for Cancer Research (AACR) Academy

2017 Fellow, European Molecular Biology Organization (EMBO)

**AWARDS/PRIZES:**

1958 Medal for top High School student in the country, Iran

1962 Medal of American Institute of Chemists (AIC) for top Chemistry student, Radcliffe College/Harvard University, MA

1983–1984 Fogarty Senior Fellow, International Clinical Research Fellows Program (ICRF), London

1985 Inaugural Joseph Sadusk Award for Breast Cancer Research

1992–1993 John Simon Guggenheim Fellow, École Normale Supérieure, Paris

1993 Women in Cell Biology (WICB) Career Recognition Senior Award, American Society for Cell Biology (ASCB)

1996 E.O. Lawrence Award, U.S. Dept. of Energy

1997 Exceptional Service Award, OBER, U.S. Dept. of Energy

1998 Mellon Award, University of Pittsburgh, PA

1999 AACR G.H.A. Clowes/Eli Lilly Award

2002 First Breast Cancer Research Program (BCRP) Innovator Award, U.S. Dept. of Defense

2003 The Brinker Award for Scientific Distinction, Susan G. Komen Foundation

2004 Inaugural Medical Honors Medal, Discovery Health Channel

2005 Inaugural Distinguished Scientist Fellowship Award in Medical Sciences, OBER, U.S. Dept. of Energy

2007 Inserm International Foreign Scientist of the Year Award, France

2007 Pezcoller Foundation–AACR International Award for Cancer Research

2007 Ted Couch Cancer Research Award, H. Lee Moffitt Cancer Center

2008 Medal of Honor for Basic Research, American Cancer Society (ACS) (Highest Honor)

2008 Second Breast Cancer Research Program (BCRP) Innovator Award, U.S. Dept. of Defense

2008 Federation of American Societies for Experimental Biology (FASEB) Excellence in Science Award

2008 Mina J. Bissell Award, University of Porto, Portugal

 (established in honor of Bissell, given every 2-4 years to someone who has changed a field)

2009 Method to Extend Research in Time (MERIT) Award, U.S. National Institutes of Health (NIH)-National Cancer Institute (NCI)

2009 Rothschild-Yvette Mayent-Institut Curie Award, Institut Curie

2010 The Alexander Bodini Foundation Prize for Scientific Excellence in Medicine, American-Italian Cancer Foundation

2011 Susan Bulkeley Butler Leadership Excellence Award, Purdue University, IN

2011 Jill Rose Award for Distinguished Biomedical Research, Breast Cancer Research Foundation (BCRF)

2012 Inaugural Lifetime Achievement Award, LBNL

2012 AACR Distinguished Lectureship in Breast Cancer Research

2014 STEM Women of the Year Award, California State Assembly

2015 The Ernst W. Bertner Memorial Award, MD Anderson Cancer Center (Highest Honor)

2015 STS/CCS Honorary Medal, Signal Transduction Society (STS) and Cell Communication and Signaling (CCS)

2016 E.B. Wilson Medal, American Society of Cell Biology (ASCB) (Highest Honor)

2017 AACR Award for Life Achievement in Cancer Research

2017 Mildred-Scheel Medal, University of Essen and University of Cologne, Germany

2019 Weizmann Women & Science Award, Israel

2019 Jonathan E. Rhoads Gold Medal for Distinguished Service in Medicine on behalf of American Philosophical Society (APS), Philadelphia

**LECTURES**

1980–Present More than 140 named and distinguished lectures

**HONORARY/NAMED LECTURES (Selected since 2013, total 17):**

Aharon Katzir-Katchalski Lecture (2013, Weizmann Institute of Science, Rehovot, Israel)

Charles Gowdey Distinguished Lecture (2013, The University of Western Ontario, Canada)

Distinguished Lectureship (2014, McGowan Institute for Regenerative Medicine Annual Mtg, MA)

Joseph L. Melnick Lecture (2014, Baylor College of Medicine Graduate Student Symposium, TX)

Reilly Lectures (3) (2015, University of Notre Dame, IN)

Bagrit Lecture (2015, Imperial College, UK)

Bennett Family Lecture (2016, BC Cancer Research Centre, Canada)

Bolie Lecture (2016, University of Colorado Denver, CO)

Fanger Lecture (2016, Brown University and Rhode Island Hospital, RI)

Kewaunee Lecture (2016, Duke University, NC)

E.B. Wilson Lecture (2016, ASCB Annual Mtg, CA)

Marc J. Mass Memorial Distinguished Lecture (2017, UNC Chapel Hill, NC)

Sheldon Weinbaum Distinguished Lecture (2017, Rensselaer Polytechnic Institute, NY)

Joseph A. Madri Inaugural Lecture (2017, Yale School of Medicine, CT)

Mildred-Scheel Lectureships (2) (2017, University of Essen and University of Cologne, Germany)

George Klein Lecture (2018, Karolinska Institutet, Sweden)

Chappel Memorial Lecture (2018, Ontario Veterinary College (OVC) and University of Guelph, Canada)

**KEYNOTE LECTURES (Selected since 2013, total 50):**

Max Planck Institute (MPI) for Molecular Genetics (2013, Berlin, Germany)

Cancer Research Center of Lyon (CRCL) International Symposium (2013, Lyon, France)

International AEK Cancer Congress (2013, Heidelberg, Germany)

Centre for Cancer Biomarkers (CCBIO) Annual Symposium (2013, Bergen, Norway)

International Society for Stem Cell Research (ISSCR) Annual Mtg (2013, Boston, MA)

NDPK/Nm23 Congress (2013, Boston, MA)

Carnegie Mellon University Biomechanics Day (2013, Pittsburgh, PA)

International Breast Cancer Nutrition (IBCN) Conference (2013, Saumur, France)

International Conference on Tumor Progression and Therapeutic Resistance (TPTR) (2014, Boston, MA)

Materials Research Society (MRS) Spring Mtg (2014, SF, CA)

Annual World Pharma Congress (2014, Boston, MA)

Congress of the Brazilian Society for Cell Biology (2014, Rio de Janeiro, Brazil)

International Heinrich F.C. Behr Symposium on Stem Cells and Cancer (2014, Heidelberg, Germany)

European Association for Cancer Research (EACR) Mtg on Microenvironment (2014, Berlin, Germany)

The Wistar Institute, Cancer Research and Vaccine Development (2014, Philadelphia, PA)

Rosalind Franklin Society Annual Board Mtg (2014, Washington, D.C.)

Dr. Susan Love Research Foundation’s Annual Intl Symp on the Breast (2015, Santa Monica, CA)

Inaugural Fellows’ Lecture, Salk Institute for Biological Studies (2015, San Diego, CA)

IPATIMUP University of Porto, “MJ Bissell Award and Symposium” (2015, Porto, Portugal)

Wound Healing Society Annual Meeting (2015, San Antonio, TX)

Cold Spring Harbor Laboratory, “The Biology of Cancer Meeting” (2015, Cold Spring Harbor, NY)

Karolinska Institute, "The Future of Tumor Biology Symposium" (2015, Stockholm, Sweden)

Gordon Research Conference (GRC) on “Science of Adhesive” (2015, Mt. Hadley, MA)

Nanjing High Tech Zone, Scientific Seminar Collaboration (2015, Nanjing, China)

The Stem Cell Niche and Cancer Microenvironment Symp, Cedars-Sinai Medical Center (2015, LA, CA)

Indian Institute of Science Education & Research Pune (2016, Pune, India)

UBC Life Sciences Institute Graduate Student Association Research Day (2016, Vancouver, Canada)

Lecture Series, Fred Hutchinson Cancer Research Center (2016, Seattle, WA)

Second Symposium of "Personalized Cancer Care" (2016, Oslo, Norway)

Cancer Discoveries: Molecules to Man, Gairdner Symposium (2016, Edmonton, Canada)

Annual Postdoctoral Science Symposium, MD Anderson Cancer Center (2016, Houston, TX)

UC San Diego Biomedical Science Retreat (2016, Palm Springs, CA)

Cancer Stem Cell Conf, National Ctr for Regenerative Med (NCRM) and Case Comp Cancer Ctr (CCCC) (2016, Cleveland, OH)

Symposium of the Collaborative Research Center 969 (2016, Konstanz, Germany)

CRBM: 50th Anniversary Symposium (2016, Montpellier, France)

EORTC NCI AACR Symposium (2016, Munich, Germany)

PhD Day 2017, Aarhus University (2017, Aarhus, Denmark)

Annual Multidisciplinary Symposium on Breast Disease, University of Florida (2017, Amelia Island, FL)

Oncology Association of Naturopathic Physicians Annual Conference (2017, Phoenix, AZ)

Dr. Susan Love Research Foundation’s Annual Intl Symp on the Breast: Exploring the Human Breast: Employing New Technologies (2017, Santa Monica, CA)

International p53 Isoform Conference (2017, Bergen, Germany)

Women’s Cancer, International Center for Scientific Debate, CosmoCaixa Barcelona (2017, Barcelona, Spain)

Symp on Exploring Systems Medicine: The 3 Rs of Tissue Repair: Replace, Restore and Rejuvenate, Berlin Institute of Health (2018, Berlin, Germany)

Northwestern University Feinberg School of Medicine, Research Day (2018, Chicago, IL)

Annual National Heart, Lung and Blood Institute (NHLBI), NIH, Research Day (2018, Bethesda, MD)

Symp on Biologic Scaffolds for Regenerative Med, U of Pittsburgh’s McGowan Inst for Regenerative Med (2018, Napa, CA)

International Society for Extracellular Vesicles (ISEV) Annual Meeting (2018, Barcelona, Spain)

AACR Special Conference on Cancer Dormancy and Residual Disease (2018, Montreal, Canada)

Gordon Research Conf (GRC) on “Signaling Transduction from Engineered Extracellular Matrices” (2018, Andover, NH)

IPATIMUP University of Porto, “MJ Bissell Award and Symposium” (2018, Porto, Portugal)

17th Annual Pathology Research Symposium, Medical School Molecular & Cellular Pathology, University of Michigan (2018, Ann Arbor, MI)

IPBS Prestige Conference, Institute of Pharmacology & Structural Biology (2019, Toulouse, France)

41st Annual Student Research Forum, Kansas University Medical Center, University of Kansas (2019, Kansas City, KS)

**PLENARY/DISTINGUISHED LECTURES (Selected since 2013, total 36):**

\*American Association for Cancer Research (2013, also Session Chair, X)

National Biotechnology Conference (2013, San Diego, CA)

NanoEngineering for Medicine and Biology/NEMB 2014 (2014, San Francisco, CA)

Lorne Cancer Conference (2014, Lorne, Australia)

International Women’s Day Lecture, Brookhaven National Laboratory (2014, Upton, NY)

\*Meeting of the Hinterzarten Circle on Cancer Research of the DFG (2014, Cadenabbia, Italy)

Cell-to-Cell Communications in Cancer Symposium-Memorial Sloan Kettering (2014, New York, NY)

Breast Cancer Research Foundation Annual Meeting (2014, New York, NY)

Stanford Cancer Institute Symposium, Heterogeneity: Implications for Targeted Therapy (2014, Stanford, CA)

Fritz Bender Foundation International Symposium (2014, Bangkok, Thailand)

Intl Symp on “Cancer Research and Clinical Care: The Next 100 Years” (2014, Rotterdam, The Netherlands)

Symp of C.R. Brubacher Found, “Breakthroughs in Cancer Research and Therapy” (2015, Zurich, Switzerland)

\*Fermilab Public Lecture Series (2015, Batavia, IL)

UCLA Clinical and Translational Science Institute Series (2015, Los Angeles, CA)

University of Tokyo, Akasaka Campus (2015, Tokyo, Japan)

Nanjing Medical University (2015, Nanjing, China)

European Academy of Dermatology and Venereology Congress (2015, Copenhagen, Denmark)

Symposium on Cancer Research, “Emerging Concepts in Host Response to Cancer” (2015, Houston, TX)

Landspitali-University Hospital (2015, Reykjavík, Iceland)

Breast Oncology Scientific Retreat, UCSF (2016, San Francisco, CA)

Annual Molecular Medicine TriConference (2016, San Francisco, CA)

Envision Corporation, The National Youth Leadership Forum: UC Berkeley (2016, CA)

Joint Society for Developmental Biology Annual Mtg/Intl Society of Differentiation Conf (2016, Boston, MA)

EMBO/EMBL Symp on Organoids: Modelling organ development and disease in 3D culture (2016, Heidelberg, Germany)

Special Guest Seminar, Max Planck Institute of Immunobiology and Epigenetics (2016, Freiberg, Germany)

\*AACR Annual Meeting, Lifetime Achievement Award Meet-the-Expert Speaker (2017, Washington, D.C.)

Icahn School of Medicine at Mount Sinai, Department of Oncological Sciences (2017, New York, NY)

Immuno Concept Talk: Tumor Microenvironment, University of Bordeaux (2017, Bordeaux, France)

Cancer Research Centre of Lyon (CRCL) International Symposium (2017, Lyon, France)

Revised Theory of Cancer, Konrad Lorenz Inst (KLI) (2017, also Organizer, Klosterneuburg (Vienna, Austria)

Cancer Genomics Consortium: New Horizons in Cancer Research, KIT Royal Tropical Inst (2017, Amsterdam, The Netherlands)

Models of Cancer to Advance Patient Therapy, UCSF Helen Diller Family Comp Cancer Ctr (2018, San Francisco, CA)

Feinstein Academy of Scholars Symp, Feinstein Institute for Med Research-Northwell Health (2018, New York, NY)

BioFrontiers Scientific Symp and Workshop, BioFrontiers Inst and U Colorado-Boulder (2018, Boulder, CO)

Seminars in Oncology, Dana-Farber Cancer Institute and Harvard Medical School (2018, Boston, MA)

Frontiers in Medicines Symposium, Wayne State University (2018, Detroit, MI)

Vanderbilt University Cancer Biology Symposium, Vanderbilt University Medical Center Vanderbilt University (2018, Nashville, TN)

British Association of Cancer Research, Francis Crick Institute (2018, London, England, UK)

Palm Beach Hot Pink Symposium, Breast Cancer Research Foundation (BCRF) (2019, Palm Beach, FL)

OncoSynergy NYC Retreat, OncoSynergy, Inc. (2019, New York City, NY)

**ADDITIONAL LECTURES (Selected since 2013, total 17):**

Arizona State University (2013)

Indiana University (2013, Indianapolis, IN)

Cleveland Clinic/Case Western Reserve University (2013, Cleveland, OH)

University of California Berkeley (2013, Berkeley, CA)

Cleary University (2013, Howell, MI)

University of Southern California (2013, LA, CA)

Arizona State University (2014)

University of New Mexico (2014, Albuquerque, NM)

University of Sao Paulo (2014, Sao Paulo, Brazil)

Children’s Hospital Oakland Research Institute (2014, Oakland, CA)

Stanford University (2014, Stanford, CA)

Women’s Environmental Mutagenesis & Genomics Society Meeting (2015, New Orleans, LA)

Commemorative Symposium for 31st International Prize for Biology (2015, Kyoto, Japan)

Guest Seminar, Technical University of Munich (2016, Munich, Germany)

Scientific Symposium to Celebrate Susan Lindquist (2017, Boston, MA)

Novartis Institutes for Biomedical Research Lecture Series, Novartis (2017, Cambridge, MA)

Honorary Faculty-Opponent for Ph.D. Defense, Karolinska Institutet (2017, Stockholm, Sweden)

Induction to European Molecular Biology Organization (EMBO) Members’ Meeting (2018, Heidelberg, Germany)

**NATIONAL/INTERNATIONAL COMMITTEES AND BOARDS**

**NATIONAL COMMITTEES AND REVIEW BOARDS (Selected since 1981):**

1981-1985 NIH Study Section on Molecular Cytology

1987-1989 NIH Review Study Section on Gerontology and Geriatrics

1989-1992 NIH Study Section on Pathology B

1993-1998 Board of Directors, Gordon Research Conferences

1993,’96,’98,’05 Chair, 2 Gordon Research Conferences and 2 Keystone Conferences

1995-1999 Biological and Environmental Research Advisory Committee (BERAC), U.S. Dept. of Energy

1995 Chair, BERAC Subcommittee on Application of Genome and Structural Biology

1995-1998 Integration Panel for Breast Cancer Research Program (BCRP), U.S. Dept. of Defense

1996-1997 Chair, NASA Committee on the Role of Animal Research in Space

1997-1998 NCI Panel on “Preclinical Models of Cancer”

1997, 1999 Howard Hughes Medical Institute (HHMI) Evaluation Panels

1997-1998 Rhoads Memorial Award Committee

1998-2002 Advisory Committee for Burroughs Wellcome Career Awards

1997 Scientific Advisory Board, University of Chicago Medicine Comprehensive Cancer Center

1999-2001 Board of Directors, AACR

1999-2005 National Academies Committee on Human Rights

2000-2009 Mentor, Institute of Defense Analysis, DSSG, Alexandria, VA

2001-2004 AACR Committees on Science Policy and Legislative Affairs

2001-2004 Kansas–Biomedical Research Infrastructure Network

2002-2004 Scientific Advisory Board, MIT Center for Environmental Health Sciences (CEHS)

2003 AACR Selection Committee for Kirk A. Landon–AACR Prize

2003-2004 Scientific Advisory Board, Pacific Northwest National Laboratory

2004 NCI/NCAB Focus Group on Cancer in the Organism

2003-2006 Scientific Advisory Board, Dr. Susan Love Research Foundation

2005-2007 Chair, IOM Group on Cancer and Cancer Biology

2005-2009 NIH Study Section on Tumor Microenvironment

2006-2009 Scientific Advisory Board, Biomega

2006-2008 AACR Nominating Committee

2006-2012 Faculty 1000

2007-2008 AACR Selection Committee for Pezcoller Foundation-AACR International Award

2009 AACR Committee for Annual Meeting Program

2009 LBNL Search Committee for Director

2009 LBNL Search Committee for Deputy Director

2009 Chair, AACR TME Nominating Committee

2009-Present Scientific Advisory Committee, Center for Research on Women and Children’s Health, CA

2010-2013 Advisor, Institute of Defense Analysis, DSSG, Alexandria, VA

2010-2011 NIH/NCI Committee for Cancer Post-GWAS Initiative

2010 AACR Committee on Education

2011-Present Scientific Advisory Board, Oregon Health and Science University, OR

2013-Present Scientific Advisory Board, Arizona State University, AZ

2015 Chair, LBNL Search Committee for Bioscience Division Director

2015-Present External Advisory Board for NCI grant, University of Vermont College of Medicine, VT

2016 AACR Committee for Laboratory Research Award

2016 American Academy of Arts and Science Selection Panel for Section II:5 (Medical Sciences, Clinical Medicine, and Public Health)

2016 NASA Committee for Biological and Physical Sciences in Space (CBPSS)

**INTERNATIONAL COMMITTEES AND SCIENTIFIC ADVISORY BOARDS (Current Only):**

1999–Present Advisory Committee, Instituto de Biologia Molecular e Celular (IBMC), Porto, Portugal

2002–Present Advisory Committee, Breakthrough Breast Cancer, London, UK

2007–Present Advisory Committee, Euro Consortium for Cancer Stem Cell Research, Italy, Sweden, Denmark, UK

2007–Present Advisory Committee, Italian National Cancer Institute, Rome, Italy

2009–Present Member, Scientific Advisory Board, American Portuguese Biomedical Research Fund, Oporto, Portugal

2009–Present Member, The International Scientific Committee, Cancer Research Centre, Lyon, France

2011–Present Advisory Committee, European Union's Innovative Medicines Initiative program, Paris, France

2011–Present Advisory Committee, Manchester Breakthrough Breast Cancer Unit, Manchester, England

2012–Present Advisory Board, World Premier International Research Center Initiative, Japan

2012–Present Advisory Board, VIB Center for the Biology of Disease, Belgium

2013–Present Advisory Board, Institute of Pharmacology & Structural Biology (IPBS), Toulouse, France

2013–Present Scientific Advisory Board, University of Bergen, Norway

**BIOTECHNOLOGY BOARDS (Current Only):**

2010-Present BioArray Therapeutics Inc. (Collegeville, PA)

2010-Present Advisory Board, Mimvi (SF, CA)

2011-Present OncoSynergy (SF, CA)

2018-Present Cellink (Sweden and Boston, MA)

**ASSOCIATE EDITOR & EDITORIAL BOARDS (Selected since 1990):**

1990–Present Journal of Cellular Biochemistry

1993–Present Molecular Carcinogenesis

1994–Present Cell Structure and Function

1995–Present Journal of Mammary Gland Biology and Neoplasia

1995–Present Journal of Experimental Therapeutics and Oncology

1997–Present Molecular Aspects of Medicine

1998–2017 Journal of Clinical Investigation

1999–2017 Breast Cancer Research (Senior Editor, 2003–2017)

1999–Present International Journal of Cancer

2005–2011 Science Magazine

2006–Present Journal of Cell Science

2007–Present Molecular Oncology

2008–Present Integrative Biology (Editorial Board Chair, 2008-2011; Advisory Board, 2011-Present)

2010–Present BioArchitecture

2010–Present Cancer Microenvironment

2011–Present Frontiers in Molecular and Cellular Oncology

2011–2017 Oncotarget

2011–Present Systems Biomedicine

2012–Present Biology Open

2012–Present PeerJ

2013-Present BioResearch Open Access

2013-Present Differentiation

**MEMBERSHIP IN PROFESSIONAL SOCIETIES (Current Only):**

1973–Present American Society for Cell Biology (President, 1997)

1980–Present Society for In Vitro Biology

1983–Present Society for Developmental Biology

1988–Present American Association for Cancer Research

1988–Present International Society of Differentiation (President, 2000-2002)

1988–Present Sigma Xi, The Scientific Research Society

1993–Present American Society for Microbiology

1997–Present National Academy of Medicine; Previously Institute of Medicine of the National Academies (IOM)

2000–Present American Society for Matrix Biology (Co–founder)

2001–Present American Association for the Advancement of Science

2001–Present American Society for Biochemistry and Molecular Biology

2001–Present Association for Women in Science

2002–Present American Academy of Arts and Sciences

2004–Present Anticancer Therapeutics and Oncology Society

2004–Present The EMT International Association

2007–Present American Philosophical Society

2007–Present Rosalind Franklin Society (Charter Member)

2010–Present National \ of Sciences

2010–Present Royal Society of Chemistry

2011–Present International Society for Stem Cell Research

2017–Present European Molecular Biology Organization

**PATENTS**

**ISSUED:** (9)

United States Patent #6004805

United States Patent #6982151

United States Patent #5846536

United States Patent #6123941

United States Patent #8246952

United States Patent #6753154

United States Patent #6287790

United States Patent #7618627

United States Patent #7666850

**PENDING:** (10)

**PUBLICATIONS (\*/\*\* denotes importance)**

1. Bissell MJ (1969). Mechanism of excretion of an extracellular enzyme (Coccus P). Ph.D. Thesis, Harvard University.
2. Sarner NZ, Bissell MJ, Di Girolamo M and Gorini L (1971). Mechanism of excretion of a bacterial proteinase: demonstration of two proteolytic enzymes produced by a Sarcina strain (Coccus P). J Bacteriol. 1971 Mar; 105(3):1090–8.
3. \*Bissell MJ, Tosi R and Gorini L (1971). Mechanism of excretion of a bacterial proteinase: factors controlling accumulation of the extracellular proteinase of a Sarcina strain (Coccus P). J Bacteriol. 1971 Mar; 105(3):1099–109.
4. Bissell MJ, Rubin H and Hatié C (1971). Leakage as the source of overgrowth stimulating activity in Rous sarcoma transformed cultures. Exp Cell Res. 1971 Oct; 68(2):404–10.
5. Bissell MJ, Hatié C and Rubin H (1972). Patterns of glucose metabolism in normal and virus–transformed chick cells in tissue culture. J Natl Cancer Inst. 1972 Aug; 49(2):555–65.
6. \*Bissell MJ, White RC, Hatié C and Bassham JA (1973). Dynamics of metabolism of normal and virus–transformed chick cells in culture. Proc Natl Acad Sci USA. 1973 Oct; 70(10):2951–5.
7. Bissell MJ, Hatié C, Tischler AN and Calvin M (1974). Preferential inhibition of the growth of virus–transformed cells in culture by rifazone–82, a new rifamycin derivative. Proc Natl Acad Sci USA. 1974 Jun; 71(6):2520–4.
8. Dolberg D and Bissell MJ (1974). Side effects of amphotericin B–deoxycholate (fungizone) and nystatin in chick cells in culture. In Vitro. 1974 Jul–Aug; 10:26–9.
9. Bassham JA, Bissell MJ and White RC (1974). Quantitative tracer studies of metabolic dynamics of animal cells growing in tissue culture. Anal Biochem. 1974 Oct; 61(2):479–91.
10. Rambeck WA, Bissell MJ and Bassham JA (1975). Metabolism in normal and virus–transformed chick embryo fibroblasts as observed with glucose labeled with 14C and tritium and with tritium–labeled water. Hoppe-Seyler’s Z Physiol Chem. 1975 Feb; 356(2):203–12.
11. Dolberg DS, Bassham JA and Bissell MJ (1975). Selective inhibition of the facilitated mode of sugar uptake by cytochalasin B in cultured chick fibroblasts. Exp Cell Res. 1975 Nov; 96(1):129–37.
12. Hawkes SP, Meehan TD and Bissell MJ (1976). The use of fluorescamine as a probe for labeling the outer surface of the plasma membrane. Biochem Biophys Res Commun. 1976 Feb 23; 68(4):1226–33.
13. \*\*Bissell MJ, Rambeck WA, White RC and Bassham JA (1976). Glycerol phosphate shuttle in virus–transformed cells in culture. Science. 1976 Feb 27; 191(4229):856–8.
14. Szabo C, Bissell MJ and Calvin M (1976). Inhibition of infectious Rous virus production by rifamycin derivative. J Virol. 1976 May; 18(2):445–53.
15. DeFrancesco L, Scheffler IE and Bissell MJ (1976). A respiration–deficient Chinese hamster cell line with a defect in NADH–coenzyme Q reductase. J Biol Chem. 1976 Aug 10; 251(15):4588–95.
16. Teng MH, Bartholomew JC and Bissell MJ (1976). Insulin effect on the cell cycle: analysis of the kinetics of growth parameters in confluent chick cells. Proc Natl Acad Sci USA. 1976 Sep; 73(9):3173–7.
17. \*Bissell MJ (1976). Transport as a rate limiting step in glucose metabolism in virus–transformed cells: studies with cytochalasin B. J Cell Physiol. 1976 Dec; 89(4):701–9.
18. \*Bissell MJ, Farson D and Tung AS (1977). Cell shape and hexose transport in normal and virus–transformed cells in culture. J Supramol Struct. 1977; 6(1):1–12.
19. Neff NT, Ross PA, Bartholomew JC and Bissell MJ (1977). Leucine in cultured cells: its metabolism and use as a marker for protein turnover. Exp Cell Res. 1977 Apr; 106(1):175–83.
20. Warshawsky D, Kerns E, Bissell MJ and Calvin M (1977). Characterization of a photoproduct of 7,12–dimethylbenz[α]anthracene and its effects on chick–embryo cells in culture. Biochem J. 1977 Jun 15; 164(3):481-6.
21. \*\*Teng MH, Bartholomew JC and Bissell MJ (1977). Synergism between anti–microtubule agents and growth stimulants in enhancement of cell cycle traverse. Nature. 1977 Aug 25; 268(5622):739–41.
22. \*Schwarz RI and Bissell MJ (1977). Dependence of the differentiated state on the cellular environment: modulation of collagen synthesis in tendon cells. Proc Natl Acad Sci USA. 1977 Oct; 74(10):4453–7.
23. Brooks GA, Bissell MJ and Bassham JA (1977). Ion–retardation desalting of blood and other animal tissues for separation of soluble metabolites by two–dimensional chromatography. Anal Biochem. 1977 Dec; 83(2):580–8.
24. Chin S, Bissell MJ and Bassham JA (1977). The consequences of bisulfite exposure in primary chick embryo fibroblast in culture. Bull Environ Contam Toxicol. 1977 Dec; 18(6):749–57.
25. Hughes AM, Tenforde TS, Calvin M, Bissell MJ, Tischler AN and Bennett EL (1978). Inhibition of adenocarcinoma TA3 ascites tumor growth by rifamycin derivatives. Oncology. 1978; 35(2):76–82.
26. Bissell DM, Levine GA and Bissell MJ (1978). Glucose metabolism by adult hepatocytes in primary culture and by cell lines from rat liver. Am J Physiol. 1978 Mar; 234(3):C122–30.
27. \*Szabo C and Bissell MJ (1978). Antiviral action of a rifamycin derivative: formation of Rous sarcoma virus particles deficient in 60 to 70S RNA. J Virol. 1978 Mar; 25(3):944–7.
28. Levine GA, Bissell MJ and Bissell DM (1978). Conversion of glucose to sorbitol and fructose by liver–derived cells in culture. J Biol Chem. 1978 Sep 10; 253(17):5985–9.
29. Schwarz RI, Farson DA, Soo WJ and Bissell MJ (1978). Primary avian tendon cells in culture: an improved system for understanding malignant transformation. J Cell Biol. 1978 Dec; 79(3):672–9.
30. Bissell MJ, Bartholomew JC, Folkman J, Smith H and Stampfer M (1979). Culture systems for studying malignancy. Meeting Report. Cancer Res. 1979 Oct; 39(10):4293–5 (with 19 other contributors).
31. Bissell MJ, Hatié C and Calvin M (1979). Is the product of the src gene a promoter? Proc Natl Acad Sci USA. 1979 Jan; 76(1):348–52.
32. Emerman JT and Bissell MJ (1979). A simple technique for detection and quantitation of lactose synthesis and secretion. Anal Biochem. 1979 Apr 15; 94(2):340–5.
33. Schwarz RI, Farson DA and Bissell MJ (1979). Requirements for maintaining the embryonic state of avian tendon cells in culture. In Vitro. 1979 Dec; 15(12):941–8.
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