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**EDUCATION AND TRAINING:**

Bryn Mawr College, Bryn Mawr, PA	1961	Chemistry, transferred
Radcliffe/Harvard College, Cambridge, MA	B.A. 1963	Chemistry (Honors)
Harvard University, Cambridge, MA	M.A. 1965	Bacteriology and Biochemistry
Harvard University, Cambridge, MA	Ph.D. 1969	Microbiology and Molecular Genetics

**POSITIONS:**

1969-1970	Milton Fellow, Harvard University
1970-1972	American Cancer Society Fellow, Department of Molecular Biology, UCB,
1972-1976	Staff Biochemist, Lawrence Berkeley National Laboratory (LBNL)
1976-Present	Senior Staff, LBNL
1979-Present	Faculty, Graduate Group in Comparative Biochemistry, UCB
1986-1988	Visiting Wellcome Professor, Kettering Institute, University of Cincinnati Medical School
1988-1992	Director, Cell & Molecular Biology Division, LBNL
1992-2002	Director, Life Sciences Division (included Cell & Molecular Biology Division), LBNL
1995-2002	Associate 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
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

**HONORS AND AWARDS (Selected)**

2016	E.B. Wilson Medal, (the highest honor the American Society of Cell Biology (ASCB) bestows)
2015	Honorary Medal (STS/ CCSS) (Signal Transduction Society and Cell Communication and Signaling' Society)
2015	Ernst W. Bertner Award, MD Anderson Cancer Center
2014	California State Assembly STEM Women of the Year Award
2013	Inaugural Class of Fellows of the AACR Academy
2012	AACR Distinguished Lectureship in Breast Cancer Research
2012	Lifetime Achievement Prize, Inaugural Recipient, Lawrence Berkeley National Laboratory
2011	Breast Cancer Research Foundation's Jill Rose Award for distinguished biomedical research.
2011	Susan Bulkeley Butler Leadership Excellence Award, Purdue University
2010	Elected Fellow, Royal Society of Chemistry
2010	Elected Fellow, National Academy of Sciences
2010	The Alexander Bodini Foundation Prize for Scientific Excellence in Medicine, American-Italian Cancer Foundation.
2009	Rothschild-Yvette Mayent-Institut Curie Award, Institut Curie
2009	MERIT Award, US, NIH
2008	Mina J. Bissell Award, University of Porto, Portugal (established in honor of MJB and to be given every two-4 years to a person who has changed a field)

- 2008 FASEB – Excellence in Science Award  
 2008 Second Innovator Award: US, DOD  
 2008 American Cancer Society's Medal of Honor  
 2007 Ted Couch Award and Lectureship in Cancer Research, H. Lee Moffitt Cancer  
 2007 Pezcoller Foundation–AACR International Award for Cancer Research  
 2007 Inserm International Foreign Scientist of the Year Award, France  
 2007 Elected Fellow, American Philosophical Society  
 2005 First Distinguished Scientist Fellowship Award in Medical Sciences, OBER, U.S. Dept. of Energy  
 2004 First Discovery Health Channel Medical Honor Medal  
 2004 Honorary Doctorate, University of Copenhagen  
 2003 Susan G. Komen Foundation Brinker Award  
 2002 First Innovator Award in Breast Cancer, U.S. Department of Defense  
 2002 Elected Fellow, American Academy of Arts and Sciences  
 2001 Honoris Docteur Causa, Pierre et Marie Curie University, Paris, France  
 2000–2002 President, International Society of Differentiation  
 1999 Clowes /Eli Lily Award of the American Association for Cancer Research  
 1998 Mellon Award, University of Pittsburgh  
 1997 President, American Society of Cell Biology  
 1997 Exceptional Service Award, OBER, U.S. Dept. of Energy  
 1997 Elected Fellow, Institute of Medicine of the National Academies; Now National Academy of Medicine (NAM)  
 1996 E.O. Lawrence Award, U.S. Dept. of Energy  
 1994 Elected Fellow, American Association for Advancement of Science  
 1993 ASCB Women in Cell Biology Career Recognition Senior Award  
 1992–1993 John Simon Guggenheim Fellow, Ecôle Normale Superieure, Paris  
 1987 Wellcome Visiting Professor in Cell Biology, University of Cincinnati Medical School  
 1985 First Joseph Sadusk Award for Breast Cancer Research  
 1983–1984 Fogarty Senior Fellow, International Clinical Research Fellows Program (ICRF), London  
 1982 Distinguished Visiting Professor, Queensland Institute Medical Research, Brisbane, Australia  
 1962 Medal of American Institute of Chemists for top Chemistry student at Radcliffe/Harvard College, Cambridge, MA  
 1980–Present More than 140 named and distinguished lectures (e.g. Harvey, Nobel Forum Katzir-Katchalski, Bagrit etc).

#### **NATIONAL COMMITTEES AND REVIEW BOARDS:**

- 1981–1985 NIH Molecular Cytology Study Section  
 1987–1989 NIH Gerontology & Geriatrics Review Study Section  
 1989–1992 NIH Pathology B Study Section  
 1993–1998 Board of Directors, Gordon Conferences  
 1993, '96, '98-'05 Chair, 2 Gordon Research Conferences and 2 Keystone Conferences  
 1995–1999 Member, Secretary of Energy's Advisory Committee, BERAC  
 1995 Chair, BERAC Subcommittee on Application of Genome and Structural Biology  
 1995–1998 Integration Panel, U.S. Army Breast Cancer Research Program  
 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. Evaluation Panels,, Washington, D.C.  
 1997–1998 Member, Rhoads Memorial Award Committee  
 1998–2002 Advisory Committee, Burroughs Wellcome Career Awards  
 1997 Scientific Advisory Board, University of Chicago Cancer Research Center  
 1999–2001 Board of Directors, AACR  
 1999–2005 Human Rights Committee of National Academies  
 2000–2009 Mentor, Institute of Defense Analysis, DSSG, Alexandria, VA  
 2001–2004 AACR Science Policy and Legislative Affairs Committees  
 2001–2004 Kansas–Biomedical Research Infrastructure Network  
 2002–2004 Scientific Advisory Board, MIT Center for Environmental Health Sciences

2003 Member, Kirk A. Landon–AACR Prize for Basic Cancer Research Committee  
 2003–2004 Scientific Advisory Board, Pacific Northwest National Laboratory  
 2004 NCI/NCAB Focus Group on Cancer in the Organism  
 2003–2006 Scientific Advisory Board, Susan Love Breast Cancer Research Foundation  
 2005–2007 Chair, Group on Cancer and Cancer Biology of the IOM of the National Academies  
 2005–2009 Member, Tumor Microenvironment Study Section, NIH  
 2006–2009 Member, Scientific Advisory Board, Biomega  
 2006–2008 Member, Nominating Committee, AACR  
 2006–2012 Member, Faculty 1000  
 2007–2008 Member, Selection Committee for the Pezcoller Foundation–AACR International Award for Cancer Research  
 2009 Member, Program Committee, AACR Annual Meeting

2009 Member, Search Committee, Director, LBNL  
 2009 Member, Search Committee, Deputy Director, LBNL  
 2009 Chair, TME Nominating Committee, AACR  
 2009–Present Member, Scientific Advisory Committee, Center for Research on Women's and Children's Health  
 2010–2013 Advisor, Institute of Defense Analysis, DSSG, Alexandria, VA  
 2010–2011 Member, committee for Cancer Post-GWAS Initiative, NIH/NCI  
 2010 Member, AACR Education Committee  
 2011–Present Scientific Advisory Board, Oregon Health and Sciences University  
 2013–Present Scientific Advisory Board, Arizona State University  
 2015–Present Scientific Advisory Board, Institute of Pharmacology and Structural Biology, University of Toulouse  
 2015 Chair, Search Committee, Director, Bioscience Division, LBNL  
 2016 AACR Laboratory Research Award Committee  
 2016 Member, Selection Panel, American Academy of Arts and Science II:5 (Medical Sciences, Clinical Medicine, and Public Health)  
 2016 Member, Committee for Biological and Physical Sciences in Space (CBPSS), NASA

**INTERNATIONAL COMMITTEES AND REVIEW 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 (Current Only):**

2010–Present BioArray Therapeutics Inc. Collegeville, PA  
 2010–Present Advisory Board, Mimvi, San Francisco, CA  
 2011–Present OncoSynergy, San Francisco, CA

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

1973–Present American Society for Cell Biology  
 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

1988–Present Sigma Xi, The Scientific Research Society  
 1993–Present American Society for Microbiology  
 1997–Present Institute of Medicine  
 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 EMT International Association  
 2007–Present American Philosophical Society (Co-founder)  
 2007–Present Rosalind Franklin Society (Charter Member)  
 2010–Present National Academy of Sciences  
 2010–Present Royal Society of Chemistry  
 2011–Present International Society for Stem Cell Research  
 2013–Present Radiation Research Society

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

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–Present Journal of Clinical Investigation  
 1999–Present Breast Cancer Research (Senior Editor 2003–Present)  
 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–Present Oncotarget  
 2011–Present Systems Biomedicine  
 2012–Present Biology Open  
 2012–Present PeerJ  
 2013–Present BioResearch Open Access  
 2013–Present Differentiation

**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)**LECTURES (2015–Present only):**

Please Note: *Named, Keynote, and Distinguished lectures are marked with an asterisk.*

**2015:**

- \*12th Symposium of C.R. Brubacher Foundation, “Breakthroughs in Cancer Research and Therapy”, Zurich, Switzerland (Plenary Speaker)
  - \*Susan Love’s 8<sup>th</sup> Annual International Symposium on Breast, Santa Monica, CA (Keynote Speaker)
  - \*Salk Institute for Biological Studies, San Diego, CA (Keynote - Inaugural Fellows’ Speaker)
  - \*Fermilab Lecture Series, Batavia, IL (Public Lecture)
  - \*IPATIMUP University of Porto, “MJ Bissell Award and Symposium”, Porto, Portugal, (Keynote Lecture)
  - \*University of Notre Dame, South Bend, IN (3 Reilly Lectures, I,II,III)
  - \*University of California Los Angeles (UCLA), Clinical and Translational Science Institute Series, Los Angeles, CA (Distinguished Lecture)
  - \*Wound Healing Society Annual Meeting, San Antonio, TX (Keynote Lecture)
  - \*Cold Spring Harbor Laboratory, “The Biology of Cancer Meeting”, Cold Spring Harbor, NY (Keynote Lecture)
  - \*Imperial College, London, UK (Bagrit Lecture),
  - \*Karolinska Institute, "The Future of Tumor Biology Symposium", Stockholm, Sweden (Keynote Lecture)
  - University of Tokyo, Okasaka Campus, Tokyo, Japan (Plenary Speaker)
  - \*Gordon Research Conference on the “Science of Adhesive” Mount Holyoke, College, Mt. Hadley, MA (Keynote Lecture)
  - \*Nanjing High Tech Zone, Scientific Seminar Collaboration, Nanjing, China (Keynote Speaker)
  - \*Nanjing Medical University, Nanjing, (Honorary Speaker)
  - \*Women’s Environmental Mutagenesis & Genomics Society 2015 Meeting, New Orleans, LA
  - \*European Academy of Dermatology and Venereology 2015 Congress, Copenhagen, Denmark (Plenary Lecture)
  - \*Symposium on Cancer Research, “Emerging Concepts in Host Response to Cancer”, Houston, TX (Distinguished Speaker)
  - \*Landspítali-University Hospital, Reykjavík, Iceland (Distinguished Speaker)
  - \*The Stem Cell Niche and Cancer Microenvironment Symposium, Cedars-Sinai Medical Center, Los Angeles, CA (Keynote Speaker)
- Commemorative Symposium for 31<sup>st</sup> International Prize for Biology, Kyoto, Japan

**2016:**

- \*Indian Institute of Science Education & Research Pune, Pune, India (Keynote Speaker)
- \*2016 Breast Oncology Scientific Retreat, UCSF, San Francisco, CA
- \*23<sup>rd</sup> Annual Molecular Medicine TriConference, San Francisco, CA
- \*UBC Life Sciences Institute Graduate Student Association Research Day 2016, Vancouver, Canada (Keynote Speaker)
- \*Bennett Lecture, BC Cancer Research Centre, Vancouver, Canada
- \*Bolie Lecture, University of Colorado Denver, Denver, CO
- \*Fanger Lecture, Brown University and Rhode Island Hospital, Providence, RI
- \*Kewaunee Lecture, Duke University, Durham, NC
- \*Lecture Series, Fred Hutchinson Cancer Research Center, Seattle, WA (Keynote Speaker)
- \*Second Symposium of "Personalized Cancer Care," Oslo, Norway (Keynote Speaker)
- \*Cancer Discoveries: Molecules to Man, Gairdner Symposium, Edmonton, Canada (Keynote Speaker)
- Envision Corporation, The National Youth Leadership Forum: UC Berkeley, CA (Expert Panelist)
- Joint Society for Developmental Biology 75th Annual Meeting/International Society of Differentiation 19th Conference Boston, MA (Plenary Speaker)
- \*Annual Postdoctoral Science Symposium, MD Anderson Cancer Center, Houston Texas (Keynote Speaker)
- \*UC San Diego Biomedical Science Retreat, Palm Springs, CA (Keynote Speaker)
- \*2016 Cancer Stem Cell Conference, National Center for Regenerative Medicine (NCRM) and Case Comprehensive Cancer Center (CCCC), Cleveland, OH (Keynote Speaker)
- EMBO/EMBL Symposium: Organoids: Modelling organ development and disease in 3D culture, Heidelberg, Germany
- \*Symposium of the Collaborative Research Center 969, Konstanz, Germany (Keynote Speaker)
- Special Guest Seminar, Max Planck Institute of Immunobiology and Epigenetics, Freiberg, Germany
- CRBM: 50<sup>th</sup> Anniversary Symposium, Montpellier, France
- \*EORTC NCI AACR Symposium, Munich, Germany (Keynote Lecture)
- Guest Seminar, Technical University of Munich, Munich, Germany

**PEER REVIEWED:****I. PUBLICATIONS:** Please note: \*/\*\* denotes more/most important publications:

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 <sup>14</sup>C and tritium and with tritium-labeled water. *Hoppe Seylers 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[ $\alpha$ ]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. **Bissell MJ** (1978). Equality for women scientists. *Grants Magazine.* 1978; 1(4):331-4.
26. 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.
27. 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.
28. \*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.
29. 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.
30. 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.
31. **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).
32. **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.
33. 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.
34. 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.
35. Parry G, Soo WJ and **Bissell MJ** (1979). The uncoupled regulation of fibronectin and collagen synthesis in Rous sarcoma virus transformed avian tendon cells. *J Biol Chem.* 1979 Dec 10; 254(23):11763–6.
36. \***Bissell MJ**, Hatié C, Farson DA, Schwarz RI and Soo WJ (1980). Ascorbic acid inhibits replication and infectivity of avian RNA tumor virus. *Proc Natl Acad Sci USA.* 1980 May; 77(5):2711–5.
37. Emerman JT, Bartley JC and **Bissell MJ** (1980). Interrelationship of glycogen metabolism and lactose synthesis in mammary epithelial cells of mice. *Biochem J.* 1980 Nov 15; 192(2):695–702.
38. Vessal M, Choun MO, **Bissell MJ** and Bissell DM (1980). Fructose utilization and altered cytochrome P–450 in cultured hepatocytes from adult rats. *Biochim Biophys Acta.* 1980 Dec 1; 633(2):201–10.
39. \*\*Parry G, Bartholomew JC and **Bissell MJ** (1980). Role of src gene in growth regulation of Rous sarcoma virus–infected chicken embryo fibroblasts. *Nature.* 1980 Dec 25; 288(5792):720–2.
40. \***Bissell MJ** (1981). The differentiated state of normal and malignant cells or how to define a “normal” cell in culture. In: *International Review of Cytology.* 1981; 70:27–100. Academic Press.
41. Emerman JT, Bartley JC and **Bissell MJ** (1981). Glucose metabolite patterns as markers of functional differentiation in freshly isolated and cultured mouse mammary epithelial cells. *Exp Cell Res.* 1981 Jul; 134(1):241–50.
42. \*Schwarz RI, Mandell RB and **Bissell MJ** (1981). Ascorbate induction of collagen synthesis as a means for elucidating a mechanism of quantitative control of tissue–specific function. *Mol Cell Biol.* 1981 Sep; 1(9):843–53.
43. Laszlo A, Radke K, Chin S and **Bissell MJ** (1981). Tumor promoters alter gene expression and protein phosphorylation in avian cells in culture. *Proc Natl Acad Sci USA.* 1981 Oct; 78(10):6241–5.
44. Bartley JC, Emerman JT and **Bissell MJ** (1981). Metabolic cooperativity between epithelial cells and adipocytes of mice. *Am J Physiol.* 1981 Nov; 241(5):C204–8.
45. **Bissell MJ**, Nemethy EK, Riddle L and Calvin M (1981). Testing for tumor promoters in Euphorbia lathyris: analysis of possible health hazards. *Bull Environ Contam Toxicol.* 1981 Dec; 27(6):894–902.
46. Hall HG, Farson DA, Chin S and **Bissell MJ** (1982). Extracellular matrix and morphogenesis: Collagen overlay induces lumen formation by epithelial cell lines. In: *The Extracellular Matrix*, pp. 233–8. Academic Press.
47. Parry G, Lee E and **Bissell MJ** (1982). Modulation of the differentiated phenotype of cultured mouse mammary epithelial cells by collagen substrata. In: *The Extracellular Matrix*, pp. 303–8. Academic Press.
48. \*Hall HG, Farson DA and **Bissell MJ** (1982). Lumen formation by epithelial cell lines in response to collagen overlay: a morphogenetic model in culture. *Proc Natl Acad Sci USA.* 1982 Aug; 79(15):4672–6.
49. \*\***Bissell MJ**, Hall HG and Parry G (1982). How does the extracellular matrix direct gene expression? *J Theor Biol.* 1982 Nov 7; 99(1):31–68.
50. Karczmar GS, Koretsky AP, **Bissell MJ**, Klein MP and Weiner MW (1983). A device for maintaining viable cells at high densities for NMR studies. *J Magn Reson.* 1983 53:123–8.

51. Laszlo A and **Bissell MJ** (1983). TPA induces simultaneous alterations in the synthesis and organization of vimentin. *Exp Cell Res.* 1983 Oct; 148(1):221–34.
52. Lee EY, Parry G and **Bissell MJ** (1984). Modulation of secreted proteins of mouse mammary epithelial cells by the collagenous substrata. *J Cell Biol.* 1984 Jan; 98(1):146–55.
53. Packard BS, Saxton MJ, **Bissell MJ** and Klein MP (1984). Plasma membrane reorganization induced by tumor promoters in an epithelial cell line. *Proc Natl Acad Sci USA.* 1984 Jan; 81(2):449–52.
54. \*\*Dolberg DS and **Bissell MJ** (1984). Inability of Rous sarcoma virus to cause sarcomas in the avian embryo. *Nature.* 1984 Jun 7–13; 309(5968):552–6.
55. Parry G, Lee EY, Farson D, Koval M and **Bissell MJ** (1985). Collagenous substrata regulate the nature and distribution of glycosaminoglycans produced by differentiated cultures of mouse mammary epithelial cells. *Exp Cell Res.* 1985 Feb; 156(2):487–99.
56. **Bissell MJ**, Lee EY–H, Li M–L, Chen L–H and Hall HG (1985). Role of extracellular matrix and hormones in modulation in tissue-specific functions in culture: Mammary gland as a model for endocrine sensitive tissues. In: Rogers CH, Coffey DC, Cunha GR, Grayhack JT, Hunman F and Horton R, eds., *Benign Prostatic Hyperplasia*, pp. 39–50. *NIH Publication no. 87–2881*, Vol. 2.
57. Wyke JA, **Bissell MJ**, Gillespie DAF and Levantis P (1985). The molecular basis for phenotypic modulation in cells containing an integrated viral src oncogene. In: Dumont JE, Hamprecht B and Nunez J, eds., *Hormones and Cell Regulation*, pp. 17–35. Amsterdam, Holland: Elsevier Science Publishers B.V. (Biomedical Division), Vol. 9.
58. Lee EY, Lee WH, Kaetzel CS, Parry G and **Bissell MJ** (1985). Interaction of mouse mammary epithelial cells with collagen substrata: regulation of casein gene expression and secretion. *Proc Natl Acad Sci USA.* 1985 Mar; 82(5):1419–23.
59. Kellie S, Holme TC and **Bissell MJ** (1985). Interaction of tumour promoters with epithelial cells in culture. An immunofluorescence study. *Exp Cell Res.* 1985 Oct; 160(2):259–74.
60. \*\*Dolberg DS, Hollingsworth R, Hertle M and **Bissell MJ** (1985). Wounding and its role in RSV–mediated tumor formation. *Science.* 1985 Nov 8; 230(4726):676–8.
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