

Exhibit A

CURRICULUM VITAE

<u>Name:</u>	Ralph Alden Bradshaw	<u>Born:</u>	Boston, Massachusetts February 14, 1941
<u>Address:</u>	25135 Rivendell Drive Lake Forest, CA 92630	<u>SS#:</u>	033-30-1024
<u>Marital Status:</u>	Married Roberta Perry Wheeler, 1961	<u>Children:</u>	Christopher Evan, b. 1962 Amy Dodd, b. 1964

Education:

Milton Public Schools, Milton, Massachusetts	Grades 1 - 12
Colby College, Waterville, Maine B.A. June 1962 Major: Chemistry	1958 - 1962
Duke University, Durham, North Carolina Ph.D. June 1966 Major: Biochemistry Minor: Chemistry	1962 - 1966

Positions:

Postdoctoral Fellow, Dept. of Biochemistry Duke University, Durham, North Carolina	June 1966 - Sept. 1966
Research Associate, Dept. of Chemistry Indiana University, Bloomington, Indiana	Sept. 1966 - Aug. 1967
Senior Fellow, Dept. of Biochemistry University of Washington, Seattle, Washington	Sept. 1967 - Aug. 1968
Acting Research Asst. Prof., Dept. of Biochemistry University of Washington, Seattle, Washington	Sept. 1968 - June 1969
Asst. Prof., Dept. of Biological Chemistry Washington University, St. Louis, Missouri	July 1969 - June 1972
Assoc. Prof., Dept. of Biological Chemistry Washington University, St. Louis, Missouri	July 1972 - June 1974
Professor, Dept. of Biological Chemistry Washington University, St. Louis, Missouri	July 1974 - June 1982
Professor and Chair, Dept. of Biological Chemistry University of California, Irvine, California	July 1982 - June 1993
Professor, Dept. of Biological Chemistry University of California, Irvine, California	July 1993 - Dec. 1996
Professor, Dept. of Physiology & Biophysics University of California, Irvine, California	Jan. 1997 - Aug 2006
Professor (joint appt.), Dept. of Anatomy & Neurobiology University of California, Irvine, California	April 1997 - Aug 2006

Professor Emeritus, Dept. of Physiology & Biophysics University of California, Irvine, California	Sept. 2006 - present
Professor (Recall), Dept of Physiology & Biophysics University of California, Irvine, California	Oct. 2006 – present
Professor (Recall), Dept of Pharmaceutical Chemistry & Deputy Director, Mass Spectrometry Facility, University of California, San Francisco, California	Oct. 2006 – present

Editorial Boards

Editorial Board, Archives of Biochemistry and Biophysics	Mar. 1972 - June 1988
Editorial Board, Journal of Biological Chemistry	Sept. 1973 - June 1977
	July 1978 - Aug. 1979
	July 1981 - June 1986
	Oct. 1989 - Apr 2002
Associate Editor	
Editorial Board, Trends in Biochemical Sciences (TIBS)	June 1975 - Dec. 1991
Editor-in-Chief	Jan. 1986 - Dec. 1991
Editorial Board, Journal of Supramolecular Structure/Cellular Biochemistry	Jan. 1980 - Apr. 1991
Editorial Board, Bioscience Reports	Sept. 1980 - Dec. 1987
Editorial Board, Peptide and Protein Reviews	Jan. 1980 - July 1985
Editorial Board, Journal of Protein Chemistry	Oct. 1980 - Dec. 1990
Editorial Board, IN VITRO Rapid Communications in Cell Biology	
Editorial Board, Proteins: Structure, Function and Genetics	March 1984 -
Editorial Board, Journal of Neurochemistry	May 1986 - Dec. 1992
Editorial Board, International Journal of Biological Macromolecules	July 1986 - Dec. 1990
Editorial Board, Growth Factors	Feb. 1988 - Sept. 1989
Associate Editor	Jan. 1988 -
Editorial Board, Cancer Communications/Oncology Research	Jan. 1989 -
Editorial Board, Protein Science	Aug. 1990 - Sept 2001
Associate Editor	Aug. 1990-Aug. 1992
	May 1997-Sept. 2001
	July 1993 - Dec. 1994
Editorial Consultant	
Editorial Board, Biotechnology and Applied Biochemistry	Sept. 1995 -
Editorial Board, Molecular Cell Biology Research Communications	July 1998 - Aug. 2001
Co-Editor-in-Chief	July 1998 - Aug. 2001
Editorial Board, Molecular and Cellular Proteomics	Nov. 2000 -
Editor (Co-editor)	Nov. 2000 -

Advisory Positions

National Institutes of Health	
Physiological Chemistry Study Section	July 1975 - June 1979
Chairman	July 1978 - June 1979
Biomedical Sciences Study Section	Oct. 1980 - May 1985
Hereditary Disease Foundation	
Scientific Advisory Board	Jan. 1983 - Jan. 1987
American Heart Assoc.	
Physiological Chemistry B Res. Study Comm.	Jan. 1984 - June 1986
American Cancer Society, California Divison	
Fellowship Screening Committee	Sept. 1984 - Jan. 1987
Cleveland Clinic, Program in Hypertension	
External Advisory Board	1985 - 1988

Western Winter Workshops (UCLA Symposia)	
Chairman of the Advisory Committee	June 1984 - July 1988
UCLA Symposia Scientific Advisory Board	June 1987 - June 1990
Keystone Symposia in Molecular and Cell Biology	
Scientific Advisory Board	July 1990 -
Executive Committee	July 1990 - June 1995
Vice – Chairman	July 1990 - Dec. 1991
Chairman	Dec. 1991-Dec. 1994
Management Committee	July 1995 - Sept. 1997
Board of Directors	Sept. 1997 -
Treasurer	Sept. 1997 -
NAS-NRC U.S. National Committee on Biochemistry	1987 - 1996
Vice-Chairman	1991 - 1992
Chairman	1992 - 1996
11th American Peptide Symposium	
Program Committee	1988 - 1989
Keystone Center, Board of Trustees	Dec. 1991 - Dec. 1997
Executive Committee	Dec. 1991-Sept. 1994
Cure Autism Now (CAN) Foundation	
Scientific Advisory Board	June 1997 -
Hagedorn Institute, Gentofte, Denmark	
Scientific Advisory Board	April 1997 - Nov. 1999
Australian Health and Medical Research Strategic Review Committee ("Wills" Committee)	1998 - 2000
AAMC/AMA Clinical Research Summit Project	
Basic Science Focus Group	Sept. 1998
University of Kentucky, COBRE Advisory Comm	Sept 2003 -

Societies

American Chemical Society	1964 -
Division of Biological Chemistry, Councilor	Sept. 1983 - Aug. 1986
American Association for the Advancement of Science	1966 -
Fellow	1987 -
Sigma Xi	1966 -
UC Irvine Club, Vice President	1990 - 1991
President	1991 - 1992
New York Academy of Sciences	1970 -
American Society of Biological Chemists/BMB	1971-
Program Planning Committee	
1976 ASBC Meeting, San Francisco, CA	1975 - 1976
1977 ASBC (FASEB)	1976
2002 Exp. Biol., New Orleans, LA (Co-Chair)	2001-2002
2004 ASBMB, Boston, MA	2003-2004
Committee on Equal Opportunities for Minority Groups	1978 - 1984
Nominating Committee	1984 - 1985, 1986 - 1987
Membership Committee	1986 - 1990
Councilor	1987 - 1990
Treasurer	1991 - 1997
Public Affairs Committee	1997 -
Centennial Celebration Committee	Mar. 2003-Apr 2006

Co-chair	Mar. 2003-Apr 2006
Historian	Mar 2007-
American Society for Neurochemistry	1975 - 1995
1983 Program Committee	1981 - 1983
1988 Program Committee	1987 - 1988
American Heart Association, Council on Thrombosis	1976 - 1990
The Endocrine Society	1978 - 2003
Emeritus	2004 -
American Society for Cell Biology	1984 -
Society for Neuroscience	1985 -
International Society of Neurochemistry	1986 - 2003
The Protein Society	1986 -
President pro-tem	Jan. 1986 - Aug. 1987
Organizing Committee	Jan. 1986 - Aug. 1987
Program Committee, 1987 Meeting	July 1986 - Aug. 1987
Council (Past-president; at large)	Aug. 1987 - Jun. 1991
Industrial Relations Committee (Co-chair)	Oct. 1987 - Aug. 1989
Publications Committee	Aug. 1989 - Aug. 1990
American Peptide Society	1990 - 2003
Nominating Committee	1991 - 1992
Association of Medical and Graduate Depts. of Biochem. (formerly AMSDB)	
President-elect	Jan. 1991 - Jan. 1992
President	Jan. 1992 - Jan. 1993
International Union of Biochemistry and Molecular Biology	Aug. 1991 - Aug. 1997
Executive Committee (Publications)	
Federation of American Societies of Experimental Biology	
Board of Directors (ASBMB representative)	Dec. 1992 - June 1996
Vice-president	July 1994 - June 1995
President	July 1995 - June 1996
Past-President	July 1996 - June 1997
American Society for Bone and Mineral Research	Jan. 1997 - Dec 2003
Association of Biomolecular Resource Facilities	Sept. 1997 -
Chair, Publications Committee	Oct. 1999 - Dec 2001

Meeting/Conference Organization

Co-Director, NATO Advanced Study Institute 38/72 " <i>Proteins of the Nervous System</i> ," Cortona, Italy	Sept. 1972
Co-Chairman, International Symposium on Heparin St. Louis, Missouri	May 1974
Director, NATO Advanced Study Institute 75/32 " <i>Surface Membrane Receptors</i> ," Bellagio, Italy	Sept. 1975
Co-Chairman, Workshop Concerning Minority Careers in Biological Research, St. Louis, Missouri	Apr. 1977
Organizing Committee, 3rd Lorne Conference on Protein Structure and Function, Lorne, Victoria, Australia	Feb. 1978
Co-Chairman, Peoples Republic of China-USA Conference " <i>Proteins in Biology and Medicine</i> ," Shanghai, PRC	May 1981
Co-Organizer, UCLA Symposium " <i>Evolution of Hormone-Receptor Systems</i> " Squaw Valley, California	Mar. 1982
Co-Chairman, 2nd USA-PRC Conference	June 1983

- "Proteins in Biology and Medicine"*
Oklahoma City, Oklahoma
- Organizing Committee, Hans Neurath 75th Anniversary Symp. Sept. 1984
"Proteases: Modulators of Information Transfer"
Orcas Island, Washington
- Organizing Committee, Symp. of American Protein Chemists Sept 1985 - Oct. 1985
San Diego, California
- Co-Organizer, International Symp. on Nerve Growth Factor April 1986
and Related Substances, Monterey, California
- Co-Organizer, UCLA-DuPont Symposium Jan. 1987 - Feb. 1987
"Molecular Biology of Intracellular Protein Sorting and Organelle Assembly," Taos, New Mexico
- Co-Organizer, NIMH Aging Center Workshop Sept. 1987
"Neurotrophic Factors and Alzheimer's Disease"
Newport Beach, California
- Co-Organizer, UCLA Western Workshop June 1989
"Molecular Basis of Neurodegenerative Disease"
Tahoe City, California
- Organizer, ASN Satelite Workshop Mar. 1990
"Signal Transduction," Phoenix, Arizona
- Co-Organizer, UCLA-Symposium Apr. 1990
"Neurotrophic Factors," S. Padre Island, TX
- Chairman, International Symposium Apr. 1990
"Gene Expression and Signal Transduction"
Irvine, California (Nomura Festschrift)
- Co-Organizer Keystone Symposium, Apr. 1991
"Proteolysis in Regulation and Disease," Keystone, CO
- Organizing Committee, 2nd International Symposium July 1991
"NGF and Related Substances,"
Daydream Is., QLD Australia
- Co-Organizer, UCI-AMGEN Symposium Mar. 1992
"Membrane Channels, Receptors and Growth Factors"
Irvine, California
- Co-Organizer, 3rd USA-PRC Conference on Proteins June 1992
Honolulu, Hawaii
- Vice Chair, IUBMB/ASBMB 1997 Int. Congress Biochemistry 1992 - 1997
Organizing Committee, San Francisco, California
- Co-Organizer, ASBMB Fall Symposia Oct. 1994
"Mechanisms of Regulated Intracellular Protein Degradation"
Whistler, British Columbia, Canada
- Co-Chair, Symposium on *"Structure, Function and Evolution of Glycoproteins and Related Substances"* (Hillfest '95) Aug. 1995
Orcas Island, WA
- Co-Organizer, Keystone Symposium, *"Intracellular Signalling by Tyrosine Kinases,"* Taos, NM Mar/Apr 1996
- Co-Organizer, Keystone Symposium, *"Specificity in Signal Transduction"* March 1998
Incline Village, NV
- Co-Organizer, ASBMB Fall Symposium, *"Regulation of Bone Growth"* October 1998
Taos, NM
- Co-Organizer, Keystone Symposium, *"Signaling Systems: Chemistry, Biology and Pathology"* April 2001
Steamboat Springs, CO
- Organizing Committee, 5th International Symposium, *"Mass Spectrometry in the Health and Life Sciences: Molecular and Cellular Proteomics"*, San Francisco, CA Aug. 2001
- Program Chair, Mtg International Society for Developmental Feb 1999 - Jan 2002

Neuroscience, Sydney, NSW, Australia	
Co-Chair, ASBMB 2002 National Mtg., New Orleans, LA	Sept. 2000 - April 2002
Co-organizer, "Proteomic Solutions in Cellular and Developmental Biology and Medicine," Stowers Institute for Medical Research, Kansas City, MO	May 2002 - May 2003
Organizing Committee, 6th International Symposium, " <i>Mass Spectrometry in the Health and Life Sciences: Molecular and Cellular Proteomics</i> ", San Francisco, CA	Aug. 2003
Organizing Committee, 7th International Symposium, " <i>Mass Spectrometry in the Health and Life Sciences: Molecular and Cellular Proteomics</i> ", San Francisco, CA	Aug. 2005
Co-organizer, Keystone Symposium "Macromolecular Complexes" Cambridge, England	Aug, 2006
Organizing Committee, 8th International Symposium, " <i>Mass Spectrometry in the Health and Life Sciences: Molecular and Cellular Proteomics</i> ", San Francisco, CA	Aug. 2007

Honors

The Passano Foundation Young Scientist Award	1976
American Chemical Society, St. Louis Section Award	1979
Italian National Research Council (C.N.R.) Gold Medal	1987
Australia Society of Medical Research Gold Medal	1999

Financial Support

USPHS Predoctoral Fellowship	1964 - 1966
USPHS Postdoctoral Fellowship	1966 - 1968
USPHS Research Grant, Dehydrogenases/Protein Processing 2002	1969 - 1990, 1991 -
EMBO Short Term Fellowship	1969
Life Insurance Medical Research Grant	1970 - 1972
USPHS Research Career Development Award	1970 - 1975
USPHS Thrombosis Center Grant	1971 - 1976
USPHS Research Grant, Nerve Growth Factor	1972 - 1989, 1990 - 2000
Washington University Research Grant	1972
Damon Runyon Research Grant	1973 - 1975
Josiah Macy Faculty Scholar Award	1977 - 1978
American Cancer Society Research Grant	1978 - 1995
NSF Sequence Facility Equipment Grant	1978, 1983
USPHS Research Resources Grant	1985, 1987, 1988
USPHS Program Project, Aging	1985 - 1990
AMGEN Corp. Research Grant	1992 - 1993
Alexander von Humboldt Senior Scientist Fellowship	1992 - 1993
USPHS Program Project, Growth Disorders	1996 - 2001
Baxter Hyland Research Award	1998 - 2000
NSF 2010 Project Grant, Arabidopsis	2003 - 2007
Parke Davis Exchange Fellowship	2004

Visiting Positions

EMBO Visiting Scientist, Univ. of Zurich Zurich, Switzerland	June 1969 - July 1969
Visiting Scientist, LBC, CNR, Rome, Italy	July 1971

Visiting Lecturer, Duke Univ. Marine Station Beaufort, North Carolina	July 1972
Scholar-in-Residence, Rockefeller Study and Conference Center, Villa Serbelloni, Bellagio, Italy	July 1975
Josiah Macy Faculty Scholar, Howard Florey Institute Univ. of Melbourne, Victoria, Australia	July 1977 - June 1978
Visiting Lecturer, Univ. of Sydney, New South Wales, Australia	Sept. 1977
Visiting Lecturer, Univ. of Kentucky, Lexington, Kentucky	Mar. 1987
Visiting Lecturer, Univ. of Camerino (CNR), Camerino, Italy	June 1987
Alexander von Humboldt Senior Scientist Max Planck Institute for Biochemistry (Molecular Biology) Martinsried, Germany	Sept. 1992 - Aug. 1993
Visiting Professor, Universite des Sciences et Technologies - Lille Villeneuve d'Ascq, France	June 1994
Visiting Scientist, Hagedorn Research Institute Gentofte, Denmark	June 1997
Visiting Scholar (Parke Davis Exchange Fellow), Dept. of Biochemistry, Cambridge University, Cambridge, England	Jan. 2004 - Jan. 2005

Academic External Review Committees

San Diego State University Chemistry Department	Apr. 1979
UC Los Angeles Molecular Biology Graduate Program	Dec. 1986
SUNY Buffalo Biology Department	Apr. 1987
UTMB Galveston Human Biochemistry and Genetics Department	Nov. 1987
U Mass Worcestor Biochemistry Department	Nov. 1987
University of Bern (Theodor Kocher Institute) Switzerland	June 1988
Louisiana State University-New Orleans/Tulane University Departments of Biochemistry	June 1990
University of Minnesota, Minneapolis Department of Biochemistry	June 1990
Louisiana State University - Baton Rouge and Shreveport Departments of Biochemistry	Feb 1991
Pennsylvania State University Medical Center, Hershey Department of Biochemistry	June 1991
UC Los Angeles Department of Biological Chemistry	Jan 1994
UC Los Angeles DOE - Division of Biomolecular and Cellular Sciences	Dec. 1994
UC Riverside College of Natural and Agricultural Sciences - (Blue Ribbon Committee)	Oct. 1995
Queensland University of Technology Centre of Molecular Biotechnology	Nov. 1999
University of Adelaide	Nov. 1999

School of Biological Sciences University of Arizona	March 2002
Department of Biochemistry and Molecular Biophysics ESPRI, INSERM Laboratory in Growth Factor Signaling in Breast Cancer/Functional Proteomics, USTL, Lille	May 2004, May 2005

Corporate Affiliations

Consultant, Durrum Chemical Co. (Dionex Corp.), Sunnyvale, CA	1970 - 1978
Scientific Advisor, International Genetic Engineering (INGENE), Santa Monica, CA	1982 - 1989
Scientific Advisory Board, Nucleic Acid Research Institute (ICN), Costa Mesa, CA	1986 - 1987
Board of Directors, ICN Biomedicals, Costa Mesa, CA	1986 - 1991
Consultant/Founding Scientist, Cortex Pharmaceuticals, Irvine, CA	1988 - 1994
Board of Directors	1990 - 1991
Consultant, AMGEN Corp., Thousand Oaks, CA	1991 - 1994
Consultant, Baxter-Hyland, Duarte, CA	1992 - 2000
Consultant, Cardio Vascular Genetic Engineering (Cardio Vascular Biotherapeutics), Irvine, CA	1999-
Chair, Scientific Advisory Board	2000 -
Consultant, Phage Biotechnology Corp., Irvine, CA	1999 -
Chair, Scientific Advisory Board	2000 -
Scientific Advisory Board, Paradigm Genetics, Research Triangle Park, NC	2001 - 2003
Scientific Advisory Board, MediMolecular, Adelaide, SA, Australia	2001 - 2003
Scientific Advisory Board, Aptamer Technologies, Adelaide, SA, Australia	2003 -
Consultant on Biotechnology Development, Rhone-Alpes Region, France	2002 - 2003

University Service

Washington University

Department of Biological Chemistry

Director of Graduate Studies	May 1970 - May 1973
Principal Investigator NIH Training Grant	July 1971 - June 1976

Division of Biology and Biomedical Sciences

Chairman, Graduate Admissions Committee	May 1973 - June 1977
Chairman, Graduate Advisory Committee (Director of Graduate Studies)	May 1973 - June 1977
Principal Investigator NIH Training Grant	July 1975 - June 1977
Chairman, Molecular and Cellular Biology Seminar Program	July 1979 - June 1980

University of California, IrvineCollege of Medicine

Anatomy Dept. Chairman Search Committee	July 1982 - Jan. 1983
Strategic Planning Committee	Jan. 1983 - Dec. 1984
Chairman, Search Committee for Associate Dean Medical Student and Curricular Affairs	Mar. 1984 - Dec. 1984
Committee for Graduate Academic Programs	1984 - 1988
College of Medicine, Chairman	1986 - 1988
Pathology Dept. Chairman Search Committee	Apr. 1986 - June 1987
Neurology Dept. Chairman Search Committee,	Oct. 1986 - June 1987
Executive Committee	1986 - 1988
Endocrinology Division Head Search Committee	1988 - 1989
Chairman	
Cardiology Division Head Search Committee	1991 - 1992
Representative Assembly	1994 - 1996
Research Advisory Group	1997 -
Vice-chair (Chair-elect), Executive Committee	Jan. 2001 - Aug. 2002
Chair, College of Medicine Faculty	Sept. 2002 - Aug 2003
Compensation Committee	Jan. 2001 - Dec. 2001
LCME Internal Review Committee:	
Governance and Administration	Mar. 2001 - Sept. 2001

University-wide

Advisory Board, FRP on Gene Research and Biotechnology	Oct. 1983 - June 1986
Advisory Board, Gene Regulation NIH Training Grant	June 1984 - 1988
University Biotechnology Comm. Subcomm. on Biochemical Engineering	Aug. 1984 - Apr. 1985 Jan. 1985 - Apr. 1985
Co-director, Carcinogenesis NIH Training Grant	Aug. 1984 - July 1989
Advisory Board, Cancer Research Institute	July 1985 -
Director, Biotechnology Training Program	Jan. 1986 - Dec. 1990
Associate Vice Chancellor-Administrative and Business Services Search Committee	July 1986 - Jan. 1987
Representative Assembly, Academic Senate	1989 - 1991, 1993-1995, 2002- 2003
Program in Neurobiology of Early Learning Scientific Advisory Board	1987 -
Co-director, Irvine Research Unit on Molecular Neurobiology	1989 - 1994
Head, Neurobiology Track, MBG & B Combined Graduate Program	1997- 1998

System-wide

Cancer Research Coordinating Committee	1988 - 1992
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BIBLIOGRAPHY

Edited Books

1. D. J. Schneider, R. H. Angeletti, R. A. Bradshaw, A. Grasso, and B. W. Moore (eds.), *"Proteins of the Nervous System"*, Raven Press, NY (1973).
2. R. A. Bradshaw and S. Wessler (eds.), *"Heparin: Structure, Function and Clinical Implications"*, (Advances in Experimental Medicine and Biology, Vol. 52), Plenum Press, NY (1975).
3. R. A. Bradshaw, W. A. Frazier, R. C. Merrell, D. I. Gottlieb, and R. A. Hogue-Angeletti (eds.), *"Surface Membrane Receptors: Interface Between Cells and Their Environment"*, (NATO Advanced Study Institutes Series, Vol. A11), Plenum, Press, NY (1976).
4. R. A. Bradshaw and D. M. Schneider (eds.), *"Proteins of the Nervous System"*, (2nd edition), Raven Press, NY (1980).
5. R. A. Bradshaw, R. L. Hill, J. Tang, C.-c. Liang, T.-c. Tsao, and C.-l Tsou (eds.), *"Proteins in Biology and Medicine"*, Academic Press, NY (1982).
6. R. A. Bradshaw and G. N. Gill (eds.), *"Evolution of Hormone-Receptor Systems"*, Alan R. Liss, NY (1983).
7. R. A. Bradshaw and J. Tang (eds), *"Molecular Architecture of Proteins and Enzymes"*, Academic Press, N.Y. (1985)
8. R. A. Bradshaw and S. Prentis (eds), *"Oncogenes and Growth Factors"*, Elsevier Science Publishers, Amsterdam (1987).
9. R. A. Bradshaw, L. McAlister-Henn and M. G. Douglas (eds.), *"Molecular Biology of Intracellular Protein Sorting and Organelle Assembly"*, Alan R. Liss, New York (1988).
10. R. A. Bradshaw and M. Purton (eds.), *"Proteins: Form and Function"*, Elsevier Trends Publications, Cambridge, UK, (1990).
11. R. A. Bradshaw and M. Purton (Series Editors), *"Modular Texts in Molecular and Cell Biology"*, Chapman & Hall (Thompson Sciences), London, England, Vol. 1: C.H. Heldin & M. Purton (eds) *"Signal Transduction"* (1996).
12. R. A. Bradshaw and E. A. Dennis (Editors), *"Handbook of Cell Signaling"*, Elsevier Academic Press, San Diego CA, Vol 1-3 (2003).

Commentaries, Editorials and Opinion Pieces

1. R. A. Bradshaw, "What Cloned Genes Can Tell Us about Nerve Growth Factor", Nature **303**, 751 (1983).
2. R. A. Bradshaw, "Fact, fraud and fantasy", Trends Biochem. Sci. **13**, 459 (1988).
3. R. A. Bradshaw, "A flavor of protein chemistry", Trends Biochem. Sci. **14**, 243 (1989).
4. R. A. Bradshaw, "Bridges committee procedures", Science **250**, 611 (1990).
5. R. A. Bradshaw, "All Good Things...", Trends Biochem. Sci. **16**, 449 (1991).
6. R. A. Bradshaw, "Who's on First?", Protein Sci. **1**, 561-562 (1992).
7. R. A. Bradshaw and D. Birnbaum, "The Name Game", Protein Sci. **2**, 1783-1784, (1993).
8. R. A. Bradshaw, "Merit, Quality and the SBIR". Science **272**, 1723 (1996).
9. R. A. Bradshaw, "Symposium on structure, function and evolution of glycoproteins and related molecules", Glycobiology **6**, 647 (1996).
10. R. A. Bradshaw, "Dancing to the Big Band: The Role of Government in the Support of Basic Research", Absts. 35th National Research Conf., Australian Society for Medical Research, Gold Coast, QLD, Australia, Plenary 1-1 (1996).
11. R. A. Bradshaw, "On Cabbages and Kings: the IUBMB – Problems and Prospects", Trends Biochem. Sci. **22**, 281 –82 (1997).
12. R. A. Bradshaw, D. S. Eisenberg, M. A. Hermodson, J. J. Villafranca, B. W. Matthews, and R. T. Sauer, "Thank you, Hans!", Protein Sci. **7**, 231 - 232 (1998).
13. R. L. Lundblad and R. A. Bradshaw, "Conformation of Engineered Proteins", Biotechnol. Appl. Biochem. **30**, 171-2 (1999).
14. R. A. Bradshaw and T. C. Vanaman, "Proteases in Cellular Regulation Minireview Series", J. Biol. Chem. **274**, 20047 (1999).
15. R. A. Bradshaw and J. Travis, "Special Issue in Honor of Hans Neurath's 90 birthday", Biochim. Biophys. Acta. **1477**, 1 (2000).
16. R. A. Bradshaw, "Proteomics – Boom or Bust?", Mol. Cell. Proteomics **1**, 177-178 (2002).
17. R. A. Bradshaw, "New Initiatives", Mol. Cell. Proteomics **1**, 489 (2002).
18. E. Schalles and R. A. Bradshaw, "Names, Names, Names...", Mol. Cell. Proteomics **1**, 921 (2002).
19. R. A. Bradshaw, A. L. Burlingame and J. E. Celis, "HUPO est arrive...", Mol. Cell. Proteomics **2**, 1 (2003).

20. R. A. Bradshaw, "*Innovations with MCP*", Mol. Cell. Proteomics 2, 137 (2003).
21. R. A. Bradshaw, "*A Visit to Africa*", ASBMB Today, February, 12-15 (2004).
22. R. A. Bradshaw, "*Measuring Excellence*", Mol. Cell. Proteomics 3, 745 (2004).
23. R. A. Bradshaw and A. L. Burlingame, "*Extracting Information from Proteomic Datasets*", From Genome to Proteome: Biomarker Discovery & Imaging Proteomes (Absts. 6th Siena Mtg),xiv-xv (2004).
24. M. Baldwin, R. A. Bradshaw, A. Burlingame and S. Carr, "*MCP Hosts Protein Identification Workshop*", ASBMB Today, July, 8-9 (2005).
25. R. A. Bradshaw, "*Revised draft guidelines for proteomic data publication*", Mol. Cell. Proteomics 4, 1223-5 (2005).
26. R. A. Bradshaw, "*Clara Cynthia Benson (1875-1964)*", ASBMB Today, March, 14-17 (2006).
27. R. A. Bradshaw, A. Burlingame, S. Carr, and R. Aebersold, "*Reporting Protein Identification Data: The Next Generation of Guidelines*", Mol. Cell. Proteomics 5, 787 - 788. (2006).
28. R. A. Bradshaw, "*How I became a Biochemist*", IUBMB Life 58, 495 – 498 (2006).

Original Articles and Reviews

1. L. Kanarek, E. Marler, R. A. Bradshaw, R. E. Fellows, and R. L. Hill, "*The Subunits of Fumarase*", J. Biol. Chem. 239, 4207-4211 (1964).
2. R. A. Bradshaw, L. A. Rogers, R. L. Hill, and J. Buettner-Janusch, "*Amino Acid Composition and the Amino Terminal End Groups of the α - and β -Chains of Four Lemur Hemoglobins*", Arch. Biochem. Biophys. 109, 571-578 (1965).
3. L. Kanarek, R. A. Bradshaw, and R. L. Hill, "*Regeneration of Active Enzyme from the Mixed Disulfide Derivative of Egg White Lysozyme and Cystine*", J. Biol. Chem. 240, PC 2755-PC 2757 (1965).
4. R. A. Bradshaw, "*I. Studies on the Structure of Fumarase. II. Preparation and Properties of the Mixed-Disulfide Derivative of Egg White Lysozyme and Cystine*", Ph.D. Thesis, Duke University (1966).
5. R. A. Bradshaw, L. Kanarek, and R. L. Hill, "*The Preparation, Properties, and Reactivation of the Mixed-Disulfide of Lysozyme and L-Cystine*", J. Biol. Chem. 242, 3789-3798 (1967).
6. G. W. Robinson, R. A. Bradshaw, L. Kanarek, and R. L. Hill, "*The Thiol Groups of Fumarase*", J. Biol. Chem. 242, 2709-2718 (1967).
7. W. T. Shearer, R. A. Bradshaw, F. R. N. Gurd, and T. Peters, "*The Amino Acid Sequence and Copper (II)-Binding Properties of Peptide (1-24) of Bovine Serum Albumin*", J. Biol. Chem. 242, 5451-5459 (1967).
8. K. D. Hapner, R. A. Bradshaw, C. R. Hartzell, and F. R. N. Gurd, "*Comparison of Myoglobins from Harbor Seal, Porpoise, and Sperm Whale. I. Preparation and Characterization*", J. Biol. Chem. 243, 683-689 (1968).
9. C. R. Hartzell, R. A. Bradshaw, K. D. Hapner, and F. R. N. Gurd, "*Comparison of Myoglobins from Harbor Seal, Porpoise, and Sperm Whale. II. Reactivity Toward Hydrogen Ion and Cupric Ion*", J. Biol. Chem. 243, 690-696 (1968).
10. R. L. Hill and R. A. Bradshaw, "*Fumarase*" in S.P. Colowick and N.O. Kaplan (eds.), Methods in Enzymology, (J. Lowenstein, ed.) Academic Press, New York, XIII, 91-99 (1969).
11. R. A. Bradshaw, W. T. Shearer, and F. R. N. Gurd, "*Sites of Binding Copper (II) Ion by Peptide (1-24) of Bovine Serum Albumin*", J. Biol. Chem. 243, 3817-3825 (1968).
12. R. A. Bradshaw, G. W. Robinson, G. M. Hass, and R. L. Hill, "*The Reaction of Fumarase with Iodoacetate and 4-Bromocrotonate*", J. Biol. Chem. 244, 1755-1763 (1969).
13. R. A. Bradshaw, W. H. Garner, and F. R. N. Gurd, "*Comparison of Myoglobins from Harbor Seal, Porpoise, and Sperm Whale. III. Isolation and Characterization of the Tryptic Peptides of Harbor Seal Myoglobin*", J. Biol. Chem. 244, 2149-2158 (1969).
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