CURRICULUM VITAE
for Professor KELVIN J. A. DAVIES

Full Name: Kelvin James Anthony Davies, Ph.D., D.Sc.
Appointment: Associate Dean, Davis School of Gerontology; Associate Director, Andrus Gerontology Center; James E. Birren Chair of Gerontology; and Professor of Molecular & Computational Biology, the University of Southern California.
Work Address: The Ethel Percy Andrus Gerontology Center, University of Southern California, 3715 McClintock Avenue, Room 306, Los Angeles, California 90089-0191, U.S.A.
Work Telephone: (213)740-8959 Fax: (213)740-6462 E. Mail**:** kelvin@usc.edu
Citizenships: U.S.A. (citizenship 1993) and Great Britain (born in London, England)
Spouse: Joanna M. S. Davies, M.D.
Children: Sebastian A. J. Davies and Alexander G. L. Davies

Education:

Liverpool & Lancaster Universities	B.Ed.	1974	General Science
University of Wisconsin	B.S.	1976	Physiology & Biophysics
University of Wisconsin	M.S.	1977	Physiology & Biophysics
University of California, Berkeley	C.Phil.	1979	Biochemistry & Physiology
University of California, Berkeley	Ph.D.	1981	Biochemistry & Physiology
University of Southern California	post doc.	1981/82	Biochemistry & Molecular Toxicology
Harvard Medical School	post doc.	1982/83	Biochemistry and Cell & Molecular Biology

Honors and Awards:

B.Ed. (hons.) Redbridge Undergraduate Fellow, 1974; B.S. (summa cum laude) 1976
The International Fellowship of The University of California, Berkeley, 1977-1980
The Chancellors Award for Research, University of California, Berkeley, 1980
Phi Beta Kappa honor society, 1980; Kappa Delta Pi honor Society, 1976
Fellow of Hoffman-La-Roche and Fellow of the Arco Foundation, University of Southern California, 1981
American Heart Association Fellowship, Harvard Medical School, 1982
Harwood S. Belding Young Investigator Award, American Physiological Society, 1982
National Institutes of Health Fellowship, Harvard Medical School, 1983
Faculty Research and Innovation Award, University of Southern California, 1983
Young Investigator Award, National Institutes of Health, 1984
Fellow of The Oxygen Society (F.O.S.), 1989
Doctor of Science & Distinguished Professor, Russian Medical University, University of Moscow, 1993
Fellow of the Russian Academy of Sciences (Moscow) 1994
Doctor of Medicine degree, and 50th Anniversary Medal, University of Gdansk, Poland, 1995
National Parkinsons Foundation Fellow, 1996-2000
Director, National Parkinsons Foundation Research Laboratory at USC, 1996-Now
Fellow of the American Association for the Advancement of Science (F.A.A.A.S.), 1996
Visiting Professor & CNR International Fellow, University of Ancona and University of Camerino, Italy, 1997
Distinguished Visiting Professor, the University of Pisa, Italy, 1998
Doctor of the University (*honoris causae*) University of Buenos Aires, Argentina, 1998
Distinguished Visiting Professor, University of Rennes, France, 2002, 2004, 2007, and 2008
Visiting Professor, Churchill College, Cambridge University, United Kingdom, 2002
Fellow of the Gerontological Society of America (F.G.S.A.), 2003
President of The Oxygen Society (1992-1995), Secretary General (1988-1990), Council Member (1987-Now)
President, The Oxygen Club of California, 2002-2005.
President, The International Society for Free Radical Research, 2003 – 2005 (past-president 2005-2007).
Lifetime Scientific Achievement Award – Society for Free Radical Biology & Medicine, 2006
Presidential Lecturer – American College of Sports Medicine, 2007
Doctor of Medicine (*honoris causae*) Semmelweis University, Budapest, Hungary, 2008

Journal Editing and Editorial Board Service:

Editor-in-Chief, *Free Radical Biology & Medicine*, Elsevier Science Ltd. (1985-Now)
Editor-in-Chief, *Biochemistry and Molecular Biology International*, Taylor and Francis (1998-1999)
Editor-in-Chief, *IUBMB **Life*** (for the Intl. Union of Biochem. & Mol. Biol.) Taylor and Francis (1999-2001)
Associate Editor: *the Journals of Gerontology: Biological Sciences* (1995-2000)
Associate Editor: *Cell & Molecular Life Sciences* (formerly *Experientia*) (1996-Now)
Associate Editor: *IUBMB **Life*** (2001-2003)
Associate Editor: *Mitochondrion* (2000-Now)
Editorial Board Member: *the Biochemical Journal* (1989-1995)
Editorial Board Member: *Advances in Free Radical Biology & Medicine* (1985-1987)
Editorial Board Member: *Amino Acids* (1991-2000)
Editorial Board Member: *Biofocus* (1994-1996)
Editorial Board Member: *Physical Chemical Biology & Medicine* (1996-Now)
Editorial Board Member: *Molecular Aspects of Medicine* (1993-2003)
Editorial Board Member: *Methods in Enzymology* (1991-Now)
Editorial Board Member: *RNA Biology* (2003-Now)
Editorial Board Member: *Rambam Maimonides Medical Journal* (2008 – Now)

Previous Appointments and Positions:

2009- Now Associate Dean, Associate Director, and James E. Birren Chair of Gerontology, Leonard Davis School of Gerontology, and Ethel Percy Andrus Gerontology Center, University of Southern California.
1996-Now Professor of Molecular & Computational Biology, Division of Molecular and Computational Biology, Department of Biological Sciences, USC College, University of Southern California.
1996-2007 Associate Dean for Research and James E. Birren Chair of Gerontology, Leonard Davis School of Gerontology, and Ethel Percy Andrus Gerontology Center, University of Southern California.
1990-1996 Chairman & John A. Muntz University Professor, Department of Biochemistry & Molecular Biology, and Professor of Molecular Medicine, Department of Medicine, The Albany Medical College, NY.
1987-1990 Associate Professor of Biochemistry, and of Molecular Pharmacology & Toxicology, Member Institute for Molecular Medicine, Member Norris Cancer Center Cell Biology Program, University of Southern California.
1983-1987 Assistant Professor of Biochemistry, and of Toxicology, The University of Southern California.
1982-1983 Instructor Department of Physiology & Biophysics, Harvard Medical School, Harvard University.
1981-1982 Res. Assoc., Dept. of Biochemistry & Institute for Toxicology, University of Southern California.
1980-1981 Lecturer, Department of Physiology and Anatomy, University of California, Berkeley.
1977-1980 TA/RA, Membrane Bioenergetics Group, Lawrence Berkeley Laboratory, and Departments of Physiology, and Comparative Biochemistry, The University of California, Berkeley.
1975-1977 Research Assistant, Program Assistant, and Editor of "The Cardio-Gram", La Crosse Cardiac Rehabilitation Program, The University of Wisconsin.
1974-1975 Youth Club Director, the Redbridge Youth Center, London, England.
1974-1975 Basic Science Teacher, The Beal School for Boys, London, England.
1970-1971 Youth Club Leader, the Redbridge Youth Center, London, England.

Professional and Administrative Responsibilities:

Founder and Director of the USC/Los Angeles County School District "S.T.A.R." Program (1984-1990)
Director of Graduate Studies, The Institute for Toxicology, University of Southern California (1985-1990)
Member of The Council, The International Society for Free Radical Research (1988-2001)
Member of The Research Council of New Zealand (1988-Now)
Council Member, International Union of Biochemistry and Molecular Biology (1995-1999)

Professional and Administrative Responsibilities Continued:

Council Member, The Gordon Research Conferences, "Frontiers of Science" (1995-1997)
Director, National Parkinson's laboratory, University of Southern California (1996-Now)
Director of the Andrus Gerontology Research Institute, University of Southern California (1996-2002)
Associate Dean for Research, School of Gerontology, University of Southern California (1996-2007)
Member, Advisory Council, National Institute of Environmental Health Sciences (2003–2006)
Member, American Federation for Aging Research, National Scientific Advisory Council (2003-Now)
Member, Board of Scientific Counselors, Intramural Research Program, NHLBI - NIH (2005–Now)
Scientific Advisory Board Member, Consiglio Nationale delle Ricerche, Italy (2000–Now)
Scientific Advisory Board Member, University of Siena, Siena, Italy (2003 – Now)
Scientific Advisory Board Member, University of Padova, School of Medicine (2007-Now)
Scientific Advisory Board Member, Spanish Network on Aging and Frailty (2007-Now)
Scientific Advisory Board Member, The Austrian Academy of Sciences (2007-Now)
Member, Board of Directors, Intellect Neurosciences, Inc. (2006 – Now)
Chairman, Scientific Advisory Board, Intellect Neurosciences, Inc. (2006 – Now)
Associate Director, Andrus Gerontology Center, University of Southern California (2009- Now)
Associate Dean, Davis School of Gerontology, University of Southern California (2009- Now)

Professional Societies & Organizations:

American Association for the Advancement of Science
American College of Sports Medicine
American Physiological Society
American Society for Biochem. & Molecular Biology
Biochemical Society
European Society for Free Radical Research
Gerontological Society of America
International Cell Research Organization
International Society for Free Radical Research
New York Academy of Science
Oxygen Club of California
Phi Beta Kappa
Sigma Xi
Society for Free Radical Biology & Medicine

Journal Reviewing:

American Journal of Physiology
Archives of Biochemistry and Biophysics
Biochemical & Biophysical Research Communications
Biochemical Journal
Biochemical Pharmacology
Biochimica Biophysica Acta
Blood
Cancer Research
Chemical Research in Toxicology
Cell
Cell & Molecular Life Sciences
EMBO Journal
Experimental Gerontology
FASEB Journal
Free Radical Research Communications
Gerontology
IUBMB Life
Journal of Applied Physiology
Journal of Bacteriology
Journal of Biological Chemistry
Journal of Clinical Investigation
Journal of Cell Biology
Journal of Gerontology
Journal of Neurochemistry
Mitochondrion
Molecular and Cellular Biology
Molecular Aspects of Medicine
Nature
Nature Cell Biology
Nature Genetics
Nature Medicine
Neurochemistry International
New England Journal of Medicine
Proceedings, National Academy of Science (USA)
Rambam Maimonides Medical Journal
Rheumatism & Arthritis
Science

Grant Reviewing

ALS Foundation
Albany Medical College Faculty Research Award
American Heart Association
Cotterel College Grant Foundation
National Institutes of Health
National Science Foundation
North Carolina Board of Science and Technology
Research Council of New Zealand
Third World Research Council
USC Faculty Research Award (Chair, 1996/97)
Consiglio Nationale delle Ricerche, Italy
Swiss National Science Foundation

Community Service and Involvement

Member, The Harvard Club, Boston, MA (1982-1984)
Founder/Director of the USC/Los Angeles County Schools District "S.T.A.R." Program (1984-1990)
Member, the Fort Orange Club of Albany, NY (1992-1996)
Member, Board of Trustees, The Albany Academy for Boys, Albany, NY (1993-1996)
Member, Opera Guild of Los Angeles, CA (1983-Now)
AYSO Soccer Coach - Albany, New York (1992-95) - San Marino/South Pasadena, CA (1996-2001)
Boy Scout leader, San Marino, CA Troop 358 (1998-2006); Webelos leader, San Marino, Pack 354 (1999)
Catalina Island Marine Institute volunteer schools counselor (1996-2003)
President, The California Philharmonic Foundation & the California Philharmonic Orchestra (1996-2003)
President Emeritus, California Philharmonic Foundation & California Philharmonic Orchestra (2003-Now)
Director, San Marino High School Football Boosters Club (2002-2006)
Member, California Yacht Club (2006-Now)

PUBLICATIONS

A. Peer Reviewed Journal Articles

1. Davies, K.J.A., Packer, L., and Brooks, G.A. (1981) Biochemical adaptation of mitochondria, muscle, and whole-animal respiration to endurance training. *Arch. Biochem. Biophys.* **209**, 539-554.
2. Davies, K.J.A., Packer, L., and Brooks, G.A. (1982) Exercise Bioenergetics following sprint training. *Arch. Biochem. Biophys.* 215, 260-265.
3. Maguire, J.J., Davies, K.J.A., Dallman, P.R., and Packer, L. (1982) Effects of dietary iron deficiency on iron-sulfur proteins and bioenergetic functions of skeletal muscle mitochondria. *Biochim. Biophys. Acta* **679**, 210-220.
4. Davies, K.J.A., Maguire, J.J., Brooks, G.A., Dallman, P.R., and Packer, L. (1982) Muscle mitochondrial bioenergetics, oxygen supply, and work capacity during dietary iron deficiency and repletion. Am. J. Physiol.: Endocrinol. Metab. **242**, E418-E427.
5. Quintanilha, A.T. and Davies, K.J.A. (1982) Vitamin E deficiency and photosensitization of electron transport carriers in microsomes. *FEBS Lett.* **139**, 241-244.
6. Quintanilha, A.T., Packer, L., Davies, J.M.S.,Racanelli, T.L. and Davies, K.J.A. (1982) Membrane effects of vitamin E deficiency: bioenergetic and surface charge density studies of skeletal muscle and liver mitochondria. *Ann. NY Acad. Sci.* **393**, 32-47.
7. Davies, K.J.A., Quintanilha, A.T., Brooks, G.A., and Packer, L. (1982) Free radicals and tissue damage produced by exercise. *Biochem. Biophys. Res. Commun.* **107**, 1198-1205.
8. Davies, K.J.A. and Hochstein, P. (1982) Ubisemiquinone radicals in liver: implications for a mitochondrial Q cycle ***in vivo***. *Biochem. Biophys. Res. Commun.* **107**, 1292-1299.
9. Davies, K.J.A., Doroshow, J.H., and Hochstein, P. (1983) Mitochondrial NADH dehydrogenase-catalyzed oxygen radical production by adriamycin, and the relative inactivity of 5-iminodaunorubicin. *FEBS Lett.* **153**, 227-230.
10. Doroshow, J.H. and Davies, K.J.A. (1983) Comparative cardiac oxygen radical metabolism by anthracycline antibiotics, mitoxantrone, bisantrene, 4'-(9-acridinylamino)-methanesulfon-***m***-anisidide, and neocarzinostatin. *Biochem. Pharmacol.* **32**, 2935-2939.
11. Davies, K.J.A., Donovan, C.M., Refino, C.J., Brooks, G.A., Packer, L., and Dallman, P.R. (1984) Distinguishing the effects of anemia and muscle iron deficiency on exercise bioenergetics in the rat. *Am. J. Physiol.: Endocrinol. Metab.* **246**, E535-E543.
12. Sevanian, A., Davies, K.J.A. and Hochstein, P. (1985) Conservation of vitamin C by uric acid in blood. *J. Free Radicals Biol. Med.* **1**, 117-124.
13. Davies, K.J.A. and Doroshow, J.H. (1986) Redox cycling of anthracyclines by cardiac mitochondria: I. Anthracycline radical formation by NADH dehydrogenase. *J. Biol. Chem.* **261**, 3060-3067.
14. Doroshow, J.H. and Davies, K.J.A. (1986) Redox cycling of anthracyclines by cardiac mitochondria: II. Formation of superoxide anion, hydrogen peroxide, and hydroxyl radical. *J. Biol. Chem.***261**, 3068-3074.
15. Davies, K.J.A., Sevanian, A., Muakkassah-Kelly, S.F., and Hochstein, P. (1986) Uric acid-iron complexes: a new aspect of the antioxidant functions of uric acid. *Biochem. J.* **235**, 747-754.
16. Davies, K.J.A. (1986) Intracellular proteolytic systems may function as secondary antioxidant defenses: An hypothesis. *J. Free Radicals Biol. Med.* **2**, 155-173.
17. Davies, K.J.A. and Goldberg, A.L. (1987) Oxygen radicals stimulate proteolysis and lipid peroxidation by independent mechanisms in erythrocytes. *J. Biol. Chem.* **262**, 8220-8226.
18. Davies, K.J.A. and Goldberg, A.L. (1987) Proteins damaged by oxygen radicals are rapidly degraded in extracts of red blood cells. *J. Biol. Chem.* **262**, 8227-8234.
19. Davies, K.J.A. (1987) Protein damage and degradation by oxygen radicals: I. general aspects. *J. Biol.Chem.* **262**, 9895-9901.
20. Davies, K.J.A., Delsignore, M.E., and Lin, S.W. (1987) Protein damage and degradation by oxygen radicals: II. Modification of amino acids. *J. Biol. Chem.* **262**, 9902-9907.
21. Davies, K.J.A. and Delsignore, M.E. (1987) Protein damage and degradation by oxygen radicals: III. Modification of secondary and tertiary structure. *J. Biol. Chem.* **262**, 9908-9913.
22. Davies, K.J.A., Lin, S.W., and Pacifici, R.E. (1987) Protein damage and degradation by oxygen radicals: IV. Degradation of denatured protein. *J. Biol. Chem.* **262**, 9914-9920.

23. Taylor, A. and Davies, K.J.A. (1987) Protein oxidation and diminished proteolytic capacity in cataract formation during aging. *Free Radical Biol. Med.* **3**, 371-377.
24. Davies, K.J.A. and Lin, S.W. (1988) Degradation of oxidatively denatured proteins in Escherichia coli. *Free Radical Biol. Med.* **5**, 215-223.
25. Davies, K.J.A. and Lin, S.W. (1988) Oxidatively denatured proteins are degraded by an ATP-independent pathway in Escherichia coli. *Free Radical Biol. Med.* **5**, 225-236.
26. McKenna, S.M. and Davies, K.J.A. (1988) Inhibition of bacterial growth by hypochlorous acid. *Biochem. J.*. **254**, 685-692.
27. Salo, D.C., Lin, S.W., Pacifici, R.E., and Davies, K.J.A. (1988) Superoxide dismutase is preferentially degraded by a proteolytic system from red blood cells following oxidative modification by hydrogen peroxide. *Free Radical Biol. Med.* **5**, 335-339.
28. Marcillat, O., Zhang, Y., Lin, S.W., and Davies, K.J.A. (1988) Mitochondria contain a proteolytic system which can recognize and degrade oxidatively denatured proteins. *Biochem. J.* **254**, 677-683.
29. Marcillat, O., Zhang, Y., and Davies, K.J.A. (1989) Oxidative and non-oxidative mechanisms in the inactivation of cardiac mitochondrial electron transport chain components by doxorubicin. *Biochem. J.* **259**, 181-189.
30. Pacifici, R.E., Salo, D.C., Lin, S.W., and Davies, K.J.A. (1989) Macroxyproteinase (M.O.P.): A 670 kDa proteinase complex that degrades oxidatively denatured proteins in red blood cells. *Free Radical Biol. Med.* **7**, 521-536.
31. Murakami, K., Jahngen, J.H., Lin, S.W., Davies, K.J.A., and Taylor, A. (1990) Degradation of eye lens alpha-crystallin by a lens high molecular weight proteinase following exposure to hydroxyl radicals. *Free Radical Biol. Med.* **8**, 217-222.
32. Pacifici, R.E. and Davies, K.J.A. (1990) Protein degradation as an index of oxidative stress. *Methods Enzymol.* **186**, 485-502.
33. Salo, D.C., Pacifici, R.E., and Davies, K.J.A. (1990) Superoxide dismutase undergoes proteolysis and fragmentation following oxidative modification and inactivation. *J. Biol. Chem.* **265**, 11919-11927.
34. Zhang, Y., Marcillat, O., Giulivi, C., Ernster, L., and Davies, K.J.A. (1990) The oxidative inactivation of mitochondrial electron transport chain components and ATPase. *J. Biol. Chem.* **265**, 16330-16336.
35. Giulivi, C. and Davies, K.J.A. (1990) A novel antioxidant role for hemoglobin: the comproportionation of ferrylhemoglobin with oxyhemoglobin. *J. Biol. Chem.* **265**, 19453-19460.
36. Pacifici, R.E. and Davies, K.J.A. (1991) Protein, lipid, and DNA repair systems in oxidative stress: the free radical theory of aging revisited. *Gerontology* **37**, 166-180.
37. Salo, D.C., Donovan, C.M., and Davies, K.J.A. (1991) HSP70 and other possible heat shock or oxidative stress proteins are induced in skeletal muscle, heart, and liver during exercise. *Free Radical Biol. Med.* **11**, 239-246.
38. Maiorino, M., Chu, F.F., Ursini, F., Davies, K.J.A., Doroshow, J.H., and Esworthy, R.S. (1991) Phospholipid hydroperoxide glutathione peroxidase is the 18-kDa selenoprotein expressed in human tumor cell lines. *J. Biol. Chem.* **266**, 7728-7732.
39. Sevanian, A., Davies, K.J.A., and Hochstein, P. (1991) Serum urate as an antioxidant for ascorbic acid. *Am. J. Clin. Nutr.* **54**, 1129S-1134S.
40. Giulivi, C. and Davies, K.J.A. (1993) Dityrosine and tyrosine oxidation products are endogenous markers for the selective proteolysis of oxidatively modified red blood cell hemoglobin by the (19 S) proteasome. *J. Biol. Chem.* **268**, 8752-8759.
41. Davies, K.J.A. (1993) Protein modification by oxidants and the role of proteolytic enzymes. *Biochem. Soc. Trans.* **21**, 346-353.
42. Pacifici, R.E., Kono, Y., and Davies, K.J.A. (1993) Hydrophobicity as the signal for selective degradation of hydroxyl radical modified hemoglobin by the multicatalytic proteinase complex, proteasome. *J. Biol. Chem.* **268**, 15405-15411.
43. Davies, J.M.S., Horwitz, D.M., and Davies, K.J.A. (1993) Potential roles of hypochlorous acid and *N*-chloroamines in collagen breakdown by phagocytic cells in synovitis. *Free Radical Biol. Med.* **15**, 637-643.
44. Giulivi, C., Hochstein, P., and Davies, K.J.A. (1994) Hydrogen peroxide production by red blood cells. *Free Radical Biol. Med.* **16**, 123-129.
45. Giulivi, C. and Davies, K.J.A. (1994) Hydrogen peroxide-mediated ferrylhemoglobin generation *in vitro* and in red blood cells. *Methods in Enzymology: Hemoglobins, Part B* **231**, 490-496.
46. Davies, J.M.S., Horwitz, D.M., and Davies, K.J.A. (1994) Inhibition of collagenase activity by *N*-chlorotaurine, a product of activated neutrophils. *Arthritis & Rheumatism* **37**, 424-427.

47. Giulivi, C. and Davies, K.J.A. (1994) Dityrosine: a marker for oxidatively modified proteins and selective proteolysis. *Methods in Enzymology: Oxygen Radicals in Biological Systems, Part C* **233**, 363-371.
48. Giulivi, C., Pacifici, R.E., and Davies, K.J.A. (1994) Exposure of hydrophobic moieties promotes the selective degradation of hydrogen peroxide-modified hemoglobin by the multicatalytic proteinase complex, proteasome. *Arch. Biochem. Biophys.* **311**, 329-341.
49. Crawford, D.R., Edbauer-Nechamen, C., Lowry, C.V., Salmon, S.L., Kim, Y.K., Davies, J.M.S., and Davies, K.J.A. (1994) Assessing gene expression during oxidative stress. *Methods in Enzymology: Oxygen Radicals in Biological Systems, Part D* **234**, 175-217.
50. Crawford, D.R. and Davies, K.J.A. (1994) Adaptive response and oxidative stress. *Environmental. Health Perspectives.* **102** (Suppl. 10), 25-28
51. Grune, T., Reinheckel, T., and Davies, K.J.A. (1995) Protein degradation in cultured liver epithelial cells during oxidative stress: role of the multicatalytic proteinase complex, proteasome. *J. Biol. Chem.* **270**, 2344-2351.
52. Davies, J.M.S., Lowry, C.V., and Davies, K.J.A. (1995) Transient adaptation to oxidative stress in yeast. *Arch. Biochem. Biophys.* **317**, 1-6.
53. Wiese, A.G., Pacifici, R.E., and Davies, K.J.A. (1995) Transient adaptation to oxidative stress in mammalian cells. *Arch. Biochem. Biophys* **318**, 231-240.
54. Davies, K.J.A. (1995) Oxidative Stress: the paradox of aerobic life. *Biochem. Soc. Symp.* **61**, 1-31.
55. Crawford, D.R., Schools, G.P., Salmon, S.L., and Davies, K.J.A. (1996) Hydrogen peroxide induces the expression of *adapt15*, a novel RNA associated with polysomes in hamster HA-1 cells. *Arch. Biochem. Biophys.* **325**, 256-264.
56. Pryor, W.A. and Davies, K.J.A. (1996) The birth and adolescence of the Gordon Conference on oxygen radicals in biology. *Free Radical Biol. Med.* **20**, vii-xxii.
57. Crawford, D.R., Schools, G.P., and Davies, K.J.A. (1996) Oxidant-inducible *adapt15* is associated with growth arrest and DNA damage-inducible *gadd153* and *gadd45*. *Arch. Biochem. Biophys.* **329**, 137-144.
58. Grune, T., Reinheckel, T., Talbot, M., and Davies, K.J.A. (1996) Degradation of oxidized proteins in K562 human K-562 hematopoietic cells by proteasome. *J. Biol. Chem.* **271**, 15504-15509.
59. Melendez, J.A. and Davies, K.J.A. (1996) Manganese superoxide dismutase modulates interleukin 1α levels in HT-1080 fibrosarcoma cells. *J. Biol. Chem.* **271**, 18898-18903.
60. Crawford, D.R., Leahy, K.P., Wang, Y., Schools, G.P., Kochheiser, J.C. and Davies, K.J.A. (1996) Oxidative stress induces the levels of a *mafG* homolog in Hamster HA-1 cells. *Free Radical Biol. Med.,* **21**, 521-525.
61. Wang, Y., Crawford, D.R., and Davies, K.J.A. (1996) *Adapt33*, a novel oxidant-inducible RNA from Hamster HA-1 cells. *Arch. Biochem. Biophys.* **332**, 255-260.
62. Crawford, D.R., Wang, Y., Schools, G.P., Kochheiser, J., and Davies, K.J.A. (1997) Down-regulation of mammalian mitochondrial RNA's during oxidative stress. *Free Radical Biol. Med. 22,* 551-559
63. Crawford, D.R., Lauzon, R.J., Wang, Y., Mazurkiewicz, J.E., Schools, G.P., and Davies, K.J.A. (1997) 16S mitochondrial ribosomal RNA degradation is associated with apoptosis. *Free Radical Biol. Med.* **22**, 1295-1300.
64. Crawford, D.R. and Davies, K.J.A. (1997) Modulation of a cardiogenic shock inducible RNA by chemical stress: *adapt73*/PigHep3. *Surgery* **121**, 581-587.
65. Grune, T., Reinheckel, T., and Davies, K.J.A. (1997) Degradation of oxidized proteins in mammalian cells. *FASEB. J.* **11**, 526-534.
66. Crawford, D.R., Leahy, K.P., Abramova, N., Lan, L., Wang, Y., and Davies, K.J.A. (1997) Hamster *adapt78*, mRNA is a Down Syndrome critical region homologue that is inducible by oxidative stress. *Arch. Biochem. Biophys.* **342**, 6-12.
67. Grune, T. and Davies, K.J.A. (1997) Breakdown of oxidized proteins as a part of secondary antioxidant defenses in mammalian cells. *Biofactors*. **6**, 165-172.
68. Sertil, O., Cohen, B., Davies, K.J.A., and Lowry, C.V. (1997) The *DAN1* gene of *S. Cerevisiae* is regulated in parallel with the hypoxic genes, but by a different mechanism. *GENE*. **192**, 199-205.
69. Grune, T., Blasig, I.E., Sitte, N., Roloff, B., Haseloff, R., and Davies, K.J.A. (1998) Peroxynitrite increases the degradation of aconitase and other cellular proteins by proteasome. *J. Biol. Chem.* **273**, 10857-10862.
70. Crawford, D.A., Abramova, N.E., and Davies, K.J.A. (1998) Oxidative stress causes a general, calcium dependent degradation of mitochondrial polynucleotides. *Free Radical Biol. Med.* **25**, 1106-1111.
71. Reinheckel, T., Sitte, N., Ulrich, O., Kuckelkorn, U., Grune, T., and Davies, K.J.A. (1998) Comparative resistance of the 20S and 26S proteasome to oxidative stres. *Biochem. J.* **335**, 637-642.

72. Ullrich, O., Sitte, N., Sommerburg, O., Sandig, V., Davies, K.J.A., and Grune, T. (1999) Influence of DNA binding on the degradation of oxidized histones by the 20S proteasome. *Arch. Biochem. Biophys.* **362**: 211-216.
73. Ullrich, O., Reinheckel, T., Sitte, N., Haass, G., Grune, T., and Davies, K.J.A. (1999) Poly-ADP-ribose-polymerase activates nuclear proteasome to degrade oxidatively damaged histones. *Proc. Natl. Acad. Sci. (USA)* **96**, 6223-6228, 1999.
74. Davies, K.J.A. (1999) The broad spectrum of responses to oxidants in proliferating cells: A new paradigm for oxidative stress. *IUBMB Life* **48**, 41-47.
75. Leahy, K.P., Davies, K.J.A., Dull, M., Kort, J.J., Lawrence, K.W., and Crawford, D.A. (1999) *Adapt78*, a stress-inducible mRNA, is related to the glucose-regulated family of genes. *Arch. Biochem. Biophys.* **368**, 67-74.
76. Melendez, J.A., Melathe, R.P., Rodriguez, A.M., Mazurkiewicz, J.E., and Davies, K.J.A. (1999) Nitric oxide enhances the manganese superoxide dismutase dependent suppression of proliferation in HT-1080 fibrosarcoma cells. *Cell Growth and Differentiation*. **10**, 655-664.
77. Abramova, N.E., Davies, K.J.A., and Crawford, D.R. (2000) Polynucleotide degradation during early stage response to oxidative stress is specific to mitochondria. *Free Radic. Biol. Med.* **28**, 281-288.
78. Sitte, N., Huber, M., Grune, T., Ladhoff, A., Doecke, W.-D., von Zglinicki, T., and Davies, K.J.A. (2000) Proteasome inhibition by lipofuscin/ceroid during postmitotic aging of fibroblasts. *FASEB J.* **14**, 1490-1498.
79. Sitte, N., Merker, K., von Zglinicki, T., Grune, T., and Davies, K.J.A. (2000) Protein oxidation and degradation during cellular senescence of BJ-Fibroblasts: Part I effects of proliferative senescence. *FASEB J.* **14**, 2495-2502.
80. Sitte, N., Merker, K., von Zglinicki, T., Davies, K.J.A., and Grune, T. (2000) Protein oxidation and degradation during cellular senescence of BJ-Fibroblasts: Part II aging of non-dividing cells *FASEB J.* **14**, 2503-2510.
81. Cadenas, E. and Davies, K.J.A. (2000) Mitochondrial free radical production, oxidative stress, and aging. *Free Radic. Biol. Med.* **29**, 222-2230.
82. Shringarpure, R., Grune, T., Sitte, N., and Davies, K.J.A. (2000) 4-Hydroxynonenal-modified amyloid-β peptide inhibits the proteasome: possible importance in Alzheimer's disease. *Cell Mol. Life Sci.* **57**, 1802-1809,
83. Davies, K.J.A. (2000) An overview of oxidative stress. *IUBMB Life* **50**, 1-4.
84. Davies, K.J.A. (2000) Oxidative stress, antioxidant defenses, and damage removal, repair, and replacement systems. *IUBMB Life* **50**,279-289.
85. Davies, K.J.A. (2001) Degradation of oxidized proteins by the 20S proteasome. *Biochimie* **83**, 301-310.
86. Demasi, M., Shringarpure, R., and Davies, K.J.A. (2001) Glutathiolation of the proteasome is enhanced by proteolytic inhibitors. *Arch. Biochem. Biophys.* **389**, 254-263.
87. Grune, T., Shringarpure, R., Sitte, N., and Davies, K.J.A. (2001) Age-related changes in protein oxidation and proteolysis in mammalian cells. *J. Gerontol.: Biol. Sci.* **56A**, B459-B467.
88. Giulivi, C. and Davies, K.J.A. (2001) Mechanism of the formation and proteolytic release of H_2O_2 -induced dityrosine and tyrosine oxidation products in hemoglobin and red blood cells. *J. Biol. Chem.* **276**, 24129-24136.
89. Bota, D.A. and Davies, K.J.A. (2001) Protein degradation in mitochondria: Implications for oxidative stress, aging, and disease.; a novel etiological classification of mitochondrial proteolytic disorders. *Mitochondrion* **1**, 33-49.
90. Abramova, N.E., Cohen, B.D., Sertil, O., Kapoor, R., Davies, K.J.A, and Lowry, C.V. (2001) Regulatory mechanisms controlling expression of the *DAN/TIR* mannoprotein genes during anaerobic remodeling of the cell wall in *Saccharomyces cerevisiae*. *Genetics* **157**, 1169-1177.
91. Cohen, B.D., Sertil, O, Abramova, N.E., Davies, K.J.A, and Lowry, C.V. (2001) Induction and repression of *DAN1* and the family of anaerobic mannoprotein genes in *Saccharomyces cerevisiae* occurs through a complex array of regulatory sites. *Nucleic Acids Res.* **29**, 799-808.
92. Davies, K.J.A. and Ermak, G. (2001) The essential role of calcium in induction of the *DSCR1 (Adapt78)* gene. *BioFactors* **12**, 1-3.
93. Ermak, G., Morgan, T.E., and Davies, K.J.A. (2001) Chronic overexpression of the calcineurin inhibitory gene *DSCR1 (Adapt78*) is associated with Alzheimer's disease. *J. Biol. Chem.* **276**, 38787-38794.
94. Shringarpure, R., Grune, T., and Davies, K.J.A. (2001) Protein oxidation and 20S proteasome-dependent proteolysis in mammalian cells. *Cell Mol. Life Sci.* **58**, 1442-1450.

95. Ermak, G., Harris, C., and Davies, K.J.A. (2002) Calcium and oxidative stress: from cell signaling to cell death. *Mol. Immunol.* **38**, 713-721.
96. Grune, T., Reinheckel, T., Li, R., North, J.A., and Davies, K.J.A. (2002) Proteasome-dependent turnover of protein disulfide isomerase in oxidatively stressed cells. *Arch. Biochem. Biophys.* **397**, 407-413.
97. Ermak, G., Harris, C., and Davies, K.J.A. (2002) The *DSCR1 (Adapt78)* Isoform 1 protein, "Calcipressin 1" inhibits calcineurin and protects against acute calcium-mediated stress damage, including transient oxidative stress. *FASEB J.* **16**, 814-824.
98. Shringarpure, R., Grune, T., and Davies, K.J.A. (2002) Protein turnover by the proteasome in aging and disease. *Free Radic. Biol. Med.* **32,** 1084-1089.
99. Ermak, G. and Davies, K.J.A. (2002) Gene expression in Alzheimer's disease. *Drugs of Today* **38**, 509-516.
100. Crawford, D.R., Kochheiser, J.C., Schools, G.P., Salmon, S.L., and Davies, K.J.A. (2002) Differential display: A critical analysis *Gene Expression* **10**, 101-107.
101. Grune, T., Reinheckel, T., North, J.A., Li, R., Bescos, P.B., Shringarpure, R., and Davies, K.J.A. (2002) Ezrin turnover and cell shape changes catalyzed by proteasome in oxidatively stressed cells. *FASEB J.* **16,** 1602-1610.
102. Teoh, C. and Davies, K.J.A. (2002) The broad spectrum of antioxidant defense and oxidant repair mechanisms. *Free Radic. Research.* **32S1**, 8-12.
103. Ursini, F., Davies, K.J.A., Maiorino, M., Parasassi, T., and Sevanian, A. (2002) Atherosclerosis: Another protein folding Disease? *TRENDS Mol. Med.* **8**, 370-374
104. Crawford, D.R., Suzuki, T., Sesay, J., Davies, K.J.A (2002) Analysis of gene expression following oxidative stress. *Methods in Molecular Biology* **196,**155-62
105. Bota, D. and Davies, K.J.A. (2002) Lon protease preferentially degrades oxidized mitochondrial aconitase by an ATP-stimulated mechanism *Nature Cell Biol.* **4,** 674-680.
106. Bota, D.A. van Remmen, H., and Davies, K.J.A. (2002) Modulation of Lon protease activity and aconitase turnover with aging and oxidative stress. *FEBS Lett.* **532**, 103-106
107. Ermak, G. and Davies, K.J.A. (2003) *DSCR1(Adapt78)* – A Janus gene providing stress protection but causing Alzheimer's disease? *IUBMB Life* **55**, 29-31.
108. Shringarpure, R., Grune, T., and Davies, K.J.A. (2003) Ubiquitin-conjugation is not required for the degradation of oxidized proteins by proteasome. *J. Biol. Chem.* **278**, 311-318.
109. Wang Y, Davies KJ, Melendez JA, Crawford DR (2003). Characterization of adapt33, a stress-inducible riboregulator. *Gene Expr.* **11**, 85-94
110. Ermak G, Cancasci VJ, Davies KJ. (2003) Cytotoxic effect of doxycycline and its implications for tet-on gene expression systems. *Anal. Biochem*. **318,** 152-4.
111. Grune T, Merker K, Sandig G, Davies KJ. (2003) Selective degradation of oxidatively modified protein substrates by the proteasome. *Biochem. Biophys. Res. Commun*. **305,** 709-18.
112. Demasi M, Davies KJ. (2003) Proteasome inhibitors induce intracellular protein aggregation and cell death by an oxygen-dependent mechanism. *FEBS Lett.* **542**, 89-94.
113. Grune, T. and Davies, K.J.A. (2003) The proteasomal system and HNE-modified proteins. *Molecular Aspects of Medicine.* **24**, 195-204.
114. Lin, H. Y., Zhang, S.L., Van Riper, D.A., Petti, L.M., Davies, K.J.A., Ermak, G., Nacod, S., Narayan, A.V., and Crawford, D.R. (2003) Oxidative and calcium stress regulate Adapt78/MCIP1 protein**.** *Free Radic. Biol. Med.* **35,** 528-539.
115. Giulivi C, Traaseth NJ, Davies KJ. (2003) Tyrosine oxidation products: analysis and biological relevance. *Amino Acids*. **25**, 227-32**.**
116. Azzi, A., Davies, K.J.A., and Kelly, F. (2004) Free radical biology – terminology and critical thinking. *FEBS Lett.* **558**, 3-6.
117. Teoh, C. and Davies, K.J.A. (2004) Potential Roles of Protein Oxidation and the Immunoproteasome in MHC Class I Antigen Presentation: The 'PrOxI' Hypothesis. *Archives Biochem. Biophys.* **423**, 88-96.
118. Ermak, G., Cheadle, C., Becker, K.G., Harris, C.D., and Davies, K.J.A. (2004) D*SCR1(Adapt78)* modulates expression of SOD1. *FASEB J.* **18**, 62-69. Erratum in: FASEB J. 2004 Feb;**18**(2):iv.
119. Grune, T., Jung, T., Merker, K., and Davies, K.J.A. (2004) Decreased proteolysis caused by protein aggregates, inclusion bodies, plaques, lipofuscin, ceroid, and 'aggresomes' during oxidative stress, aging, and disease. *Int. J. Biochem. Cell Biol.* **36**, 2519-2530.

120. Iarmolinskii D.G., Kartel N.A., Ermak G., Davies, K.J.A. (2004) Demidchik Iu.E., and Figge J. Study of HRas1 minisatellite frequencies in children with thyroid papillary cancer. [in Russian]. *Tsitologiia i Genetika.* **38***:* 9-14.
121. Davies, K.J.A. (2005) The broad spectrum of responses to oxidative stress in proliferating cells. *Handbook of Environmental Chemistry* **2**, 63-75.
122. Bota D.A., Ngo J.K., Davies K.J.A. (2005) Downregulation of the human Lon protease impairs mitochondrial structure and function and causes cell death. *Free Radic. Biol. Med.* **38**, 665-677.[see also ***Commentary*** by Levine, R.L. (2005) Commentary on Lon protease impairs mitochondrial structure. *Free Radic. Biol. Med.* **38**, 1445-1446].
123. Davies, K.J.A. (2005) Lipid peroxidation, phospholipases, lipoprotein oxidation, and atherosclerosis: A tribute to Professor Alex Sevanian (1946–2005) *Free Radic. Biol. Med*. **39**: 705-710.
124. Powell, S.R., Wang, P., Katzeff, H., Shringarpure, R., Teoh, C., Khaliulin, I., Das, D.K., Davies, K.J.A., Schwalb, H. (2005) Ubiquitinated and oxidized proteins may predict recovery of the ischemic myocardium: Essential role of the proteasome. *Antioxidants & Redox Signalling* **7**: 538-546.
125. Powell, S.R., Wang, P., Divald, A., Teichberg, S., Haridas, V., Pahwa, S., McCloskey, T., Davies, K.J.A., and Katzeff, H. (2005) Aggregates of oxidized proteins (lipofuscin) induce apoptosis through proteasome inhibition and dysregulation of proapoptotic proteins. *Free Radic. Biol. Med.* **38**: 1093-1101.
126. Davies, K.J.A. and Pryor, W.A. (2005) The evolution of Free Radical Biology & Medicine: A 20-year history. *Free Radic. Biol. Med.* **39:**1 263-264.
127. Fratta, P., Engel, W.K., McFerrin, J., Davies, K.J.A., Lin, S.W., and Askanas, V. (2005) Proteasome inhibition and aggresome formation in sporadic-inclusion-body-myositis and in AßPP-overexpressing cultured human muscle fibers. *Am. J. Pathol.* **167**: 517-526.
128. Harris, C.D., Ermak, G., and Davies, K.J.A. (2005) Multiple roles of the DSCR1 (Adapt78 or RCAN1) gene and its protein product calcipressin 1 (or RCAN1) in disease. *Cell Mol. Life Sci.* **62**: 2477-2486.
129. Grune, T., Merker, K., Jung, T., Sitte, N, Davies, K.J.A. (2005) Protein oxidation and degradation during postmitotic senescence. *Free Radic. Biol. Med*. **39**:1208-1215.
130. Davies, K.J.A. and Shringarpure, R. (2006) Preferential degradation of oxidized proteins by the 20S proteasome may be inhibited in aging, and in inflammatory neuromuscular diseases. *Neurology*, **66**: S93-96.
131. Ermak G. Harris CD. Battocchio D. Davies KJ.A. (2006) RCAN1 (DSCR1 or Adapt78) stimulates expression of GSK-3beta. *FEBS J.* **273**, 2100-2109.
132. Pryor, W.A., Houk, K., Foote, C., Fucuto, J., Ignarro, L., Squadrito, G., and Davies, K.J.A. (2006) Free radical biology and medicine: it's a gas! *Am. J. Physiol. Regul. Integr. Comp. Physiol.* **291**, R491-R511.
133. Ermak, G., Harris, C.D., Battocchio, D., and Davies, K.J.A. (2006) RCAN1 (DSCR1 or Adapt78) Stimulates Expression of GSK-3β *FEBS Journal* **273**, 2100-2109.
134. Poppek, D., Keck, S. Ermak, G., Jung, T., Stolzing,, A., Ullrich, O., Grune, T., and Davies, K.J.A. (2006) Phosphorylation mediates the turnover of the tau protein by the proteasome: influence of RCAN1 and oxidative stress. *Biochem. J.* **400**: 511-520.
135. Harris, C.D., Ermak, G., and Davies, K.J.A. RCAN1-1L is overexpressed in neurons of Alzheimer's disease patients. *FEBS Journal* **274**: 1715–1724, 2007.
136. Powell S.R., Davies K.J.A., Divald A. (2007) Optimal determination of heart tissue 26S-proteasome activity requires maximal stimulating ATP concentrations. *J. Mol. Cell Cardiol.* **42:** 265-269.
137. Brigelius-Flohe R. and Davies K.J.A. (2007) Is vitamin E an antioxidant, a regulator of signal transduction and gene expression, or a 'junk' food? *Free Rad. Biol. Med.* **43**: 2-3.
138. Ngo, J. and Davies, K.J.A. (2007) Importance of the Lon Protease in Mitochondrial Maintenance and the Significance of Declining Lon in Aging. *Ann. NY Acad. Sci.* **1119**: 78–87.
139. Davies, K.J.A. *et al.* (2007) Renaming the *DSCR1*/*Adapt78* gene family as *RCAN*: regulators of calcineurin. *FASEB J.* **21**: 3023-3028.
140. Packer, L., Cadenas, E., and Davies, K.J.A. (2008) Free radicals and exercise: An introduction. *Free Radic. Biol. Med.* **44**: 123–125. PMID: 18191747.
141. Sachdev, S. and Davies, K.J.A. (2008) Production, detection, and adaptive responses to free radicals in exercise. *Free Radic. Biol. Med.* **44:** 215–223. PMID: 18191757
142. Nogalska A, D'Agostino C, Engel WK, Davies KJ, Askanas V. (2008) Decreased SIRT1 deacetylase activity in sporadic inclusion-body myositis muscle fibers. *Neurobiol Aging.* PMID: 18922603

143. Zsolt Radak, Z., Atalay, M., Jakus, J., Boldogh, I. Davies, K.J.A., Goto, S. (2009) Exercise improves import of 8-oxoguanine DNA glycosylase into the mitochondrial matrix of skeletal muscle and enhances the relative activity. *Free Radic. Biol. Med.***46**, 238-243.

B. Peer–reviewed Journal Articles Accepted and In Press:

144. Ngo, J. and Davies, K.J.A. (2008) Mitochondrial Lon Protease is a Human Stress Protein. *Free Radic. Biol. Med. (in press).*
145. Ermak, G., Hench, K.J., Chang, K.T., Sachdev,S., and Davies, K.J.A. (2008) RCAN1-1L Protects Against Mutant Huntingtin Toxicity. *J. Biol. Chem*. (in press).

D. Book Chapters Published

1. Davies, K.J.A., Maguire, J.J., Dallman, P.R., Brooks, G.A., and Packer, L. (1982) Exercise bioenergetics during dietary iron deficiency and repletion. In: *The Biochemistry and Physiology of Iron* (Saltman, P., and Hegenauer, J., eds.) pp. 591-593, Elsevier, New York.
2. Maguire, J.J., Davies, K.J.A., Brooks, G.A., Dallman, P.R., and Packer, L. (1982) Mitochondrial iron-sulfur proteins and bioenergetic functions during iron deficiency. In: *The Biochemistry and Physiology of Iron* (Saltman, P., and Hegenauer, J., eds.) pp. 595-597, Elsevier, New York.
3. Davies, K.J.A., Doroshow, J.H., Chan, T.M., and Hochstein, P. (1983) Mitochondrial reduction of anthracyclines: oxygen radical production at the expense of ATP. In: *Oxy Radicals and Their Scavenger Systems* (Greenwald, R.A., and Cohen, G., eds.) Vol. II, pp. 313-316, Elsevier, New York.
4. Doroshow, J.H., Davies, K.J.A. and Hochstein, P. (1983) Adriamycin cardiac toxicity: the role of mitochondrial reactive oxygen metabolism. In: *Oxy Radicals and Their Scavenger Systems* (Greenwald, R.A., and Cohen, G., eds.) Vol. II, pp 113-118, Elsevier, New York.
5. Davies, K.J.A. (1985) Free radicals and protein degradation in human red blood cells. In: *Cellular and Molecular Aspects of Aging: The Red Cell as a Model* (Eaton, J.W., Konzen, D.K., and White, J.G., eds.) pp. 15-24, Alan R. Liss, New York.
6. Hochstein, P., Sevanian, A., and Davies, K.J.A. (1986) The stabilization of ascorbic acid by uric acid. In: *Purine & Pyrimidine Metabolism in man, Vol V., part A: Clinical aspects including molecular genetics* (Sigmeuler, E.J., ed.) pp 325-327. Plenum Press, New York.
7. Davies, K.J.A. (1986) The role of intracellular proteolytic systems in antioxidant defenses. In: *Superoxide and Superoxide Dismutase in Chemistry, Biology, and Medicine* (Rotillio, G., ed.) pp 443-450, Elsevier, Amsterdam.
8. Davies, K.J.A. (1988) Protein oxidation, protein cross-linking, and proteolysis in the formation of lipofuscin: Rationale and methods for the measurement of protein degradation. In: *Lipofuscin-1987: State of the Art* (Zs.-Nagy, I., ed.) pp. 109-133, Elsevier Science, Amsterdam.
9. Davies, K.J.A. (1988) Oxidative stress causes protein degradation and lipid peroxidation by different mechanisms in red blood cells. In: *Lipid Peroxidation in Biological Systems* (Sevanian, A., ed.) pp.100-116, American Oil Chemists Society, Champaign, Illinois
10. Davies, K.J.A. (1988) Proteolytic systems as secondary antioxidant defenses. In: *Cellular Antioxidant Defense Mechanisms* (Chow, C.K., ed.) Vol. II, pp. 25-67, CRC Press, Boca Raton.
11. Davies, K.J.A., Zhang, Y., and Marcillat, O. (1988) Possible importance of proteolytic systems as secondary antioxidant defenses during ischemia-reperfusion injury. In: *The Role of Oxygen Radicals in Cardiovascular Diseases* (L'Abbate, A. and Ursini, F., eds.) pp. 169-185, Kluwer Academic Publishers, Dortrecht.
12. McKenna, S.M. and Davies, K.J.A. (1988) Bacterial killing by phagocytes: potential role(s) of hypochlorous acid and hydrogen peroxide in protein turnover, DNA synthesis, and RNA synthesis. In: *Oxygen Radicals in Biology and Medicine* (Simic, M.G and Taylor, K.A., eds.) pp.829-832, Plenum Press, New York.
13. Pacifici, R.E., Lin, S.W., and Davies, K.J.A. (1988) The measurement of protein degradation in response to oxidative stress. In: *Oxygen Radicals in Biology and Medicine* (Simic, M.G and Taylor, K.A., eds.) pp. 531-535, Plenum Press, New York.
14. Davies, K.J.A. (1988) A secondary antioxidant defense role for proteolytic systems. In: *Oxygen Radicals in Biology and Medicine* (Simic, M.G and Taylor, K.A., eds.) pp. 575-585, Plenum Press, New York.
15. Davies, K.J.A. (1989) Molecular mechanisms of oxidative damage & repair. In: *Molecular Mechanisms of Aging* (Ursini, F., ed.) pp. 80-88, The National Academy of Oil (Italy), Lucca.

16. Davies, K.J.A., Wiese, A.G., Sevanian, A., and Kim, E.H. (1990) Repair systems in oxidative stress. In: *Molecular Biology of Aging* (Finch, C.E. and Johnson, T.E., eds.) pp. 123-141, UCLA Symposia on Molecular and Cellular Biology, Alan R. Liss, New York.
17. Davies, K.J.A. (1990) Protein oxidation and proteolytic degradation: General aspects and relationship to cataract formation. In: *Antioxidants in Therapy and Preventive Medicine* (Emerit, E., Packer, L., and Auclair, C., eds.) pp. 503-511, Plenum Press, New York.
18. Ursini, F. and Davies, K.J.A. (1990) Physiological antioxidant defense & repair systems. In: *Protein Metabolism in Aging* (Segal, H.L., ed.) pp. 373-380, Wiley-Liss, New York
19. Ryter, S.W., Pacifici, R.E., and Davies, K.J.A. (1990) Constitutive and inducible repair systems in oxidative stress. In: *Biological Oxidation Systems, Vol. 2* (Reddy, C.C., Hamilton, G.A., and Madyastha, K.M., eds.) pp. 929-952, Academic Press, New York.
20. Davies, K.J.A. (1991) Oxidative damage & repair: introduction and overview. In: Oxidative Damage and Repair: Chemical, Biological, and Medical Aspects (Davies, K.J.A., ed.) pp. xvii-xxvii Pergamon, Oxford.
21. Giulivi, C. and Davies, K.J.A. (1991) An antioxidant role for hemoglobin. In: Oxidative Damage and Repair: Chemical, Biological, and Medical Aspects (Davies, K.J.A., ed.) pp. 87-92, Pergamon Press, Oxford.
22. Pacifici, R.E. and Davies, K.J.A. (1991) Selective proteolysis of oxidatively modified proteins by macroxyproteinase (MOP). In: Oxidative Damage and Repair: Chemical, Biological, and Medical Aspects (Davies, K.J.A., ed.) pp. 364-372, Pergamon Press, Oxford.
23. Davies, K.J.A., Wiese, A.G., Pacifici, R.E., and Davies, J.M.S. (1993) Regulation of gene expression in adaptation to oxidative stress. In: *Free Radicals: From Basic Science to Medicine* (Poli, G., Albano, E., and Dianzani, M.U., eds.) pp. 18-30, Birkhäuser Verlag, Basel .
24. Davies, K.J.A. (1994) Potential role of protein oxidation and proteasome in antigen processing. In: *Oxidative Stress, Cell Activation, and Viral Infection* (Pasquier, C. Olivier, R.Y., Auclair, C., and Packer, L., eds.) pp. 9-19, Birkhäuser Verlag, Basel/Switzerland.
25. Davies, K.J.A. and Lin, S.W. (1994) Bacterial gene expression during oxidative stress. In: *Free Radicals in the Environment, Medicine, and Toxicology* (Nohl, H., Esterbauer, H., and Rice-Evans, C., eds.) pp. 563-578, Richelieu Press, London.
26. Davies, K.J.A., Davies, J.M.S., Cadenas, E., Packer, L., Sevanian, A., Forman, H.J., Chan, T.M., Landolph, J.R. and Ursini, F. (1995) The Oxygen Paradox. In: *The Oxygen Paradox* (Davies, K.J.A. and Ursini, F., eds.) pp. 1-9, CLEUP University Press, Padova (Italy).
27. Crawford, D.R., Edbauer-Nechamen, C., Schools, G.P., Salmon, S.L., Davies, J.M.S., and Davies, K.J.A. (1995) Oxidant-modulated gene expression. In: *The Oxygen Paradox* (Davies, K.J.A. and Ursini, F. eds.) pp. 327-335, CLEUP University Press, Padova (Italy).
28. Davies, K.J.A. (1998) Repair systems and inducible defenses against oxidative stress. In: *Free Radicals, Oxidative Stress, and Antioxidants: Pathological and Physiological Significance* (Özben, T. *ed.*) Chapter 23, pp. 253-266, Plenum Press, New York.
29. Crawford, D.R., Suzuki, T., and Davies, K.J.A. (1999) Oxidant modulated gene expression. In: *Antioxidant and Redox Regulation of Genes* (Sen, C.K., Sies, H., and Baeuerle, P., eds.) Chapter 2, pp. 21-49, Academic Press, San Diego.
30. Crawford, D.R. and Davies, K.J.A. (1999) Regulation of Gene Expression During Oxidative Stress. In: *Free Radicals in Physiology & Medicine* (Sies, H., ed.) Chapter 2, pp. 21-35, Academic Press, New York.
31. Crawford, D.R., Suzuki, T., and Davies, K.J.A. (1999) Redox regulation of gene expression. In: *Antioxidant and Redox Regulation of Genes* (Sen, C.K., Sies, H., and Baeuerle, P., eds.) Academic Press, San Diego, Chapter 2, pp. 21-49.
32. Reinheckel, T., Grune, T., and Davies, K.J.A. (2000) Measurement of protein degradation in response to oxidative stress. In: *Stress Response: Methods and Protocols* (Keyse, S.M. Ed.) Chapter 5, pp. 49-60, Volume 99 of Methods in Molecular Biology, Humana Press, Totowa, NJ.
33. Grune, T. and Davies, K.J.A. (2001) Oxidative processes in aging. *Handbook of the Biology of Aging* (5^{th} edition). Chapter 2, pp. 25-58, Academic Press, San Diego.
34. Crawford, D.R., Suzuki, T., Sesay, J., and Davies, K.J.A., (2002) Analysis of gene expression following oxidative stress. In: Ultrastructural and Molecular Biology Protocols (D. Armstrong, ed.) Humana Press, Totawa, N.J. pp. 155-162.
35. Teoh, C.Y. and Davies, K.J.A. (2003) Oxidative Defense Mechanisms. In: Oxidative Stress and Aging: Advances in Basic Science, Diagnostics, and Intervention (Cutler, R.G. and Rodriguez, H., eds.) World Scientific, New York, Chapter 40, pp. 675-685.

36. Crawford, D.R. and Davies, K.J.A. (2003) *adapt* gene RNA transcripts as riboregulators. In: Non-coding RNA (J. Barcizewski, ed.) Landes Bioscience, Georgetown. Chapt. 12: pp. 221-230.
37. Shringarpure, R. and Davies, K.J.A. (2009) Free radicals and oxidative stress in Aging. In: Handbook of Theories of Aging (Bengston, L., Gans, D., Putney, N.M., and Silverstein, M., eds.) Springer, New York. Chapter 13, pp. 229-243.

E. Full-Length Books Published

1. Davies, K.J.A. ed. (1991) Oxidative Damage and Repair: Chemical, Biological, and Medical Aspects, 899 pages, Pergamon Press, Oxford.
2. Davies, K.J.A. and Ursini, F., eds. (1996) *The Oxygen Paradox*, 811 pages, CLEUP University Press, Padova (Italy) ISBN 88-7178-374-3.

F. Abstracts Published

1. Davies, K.J.A. (1981) Bioenergetic and physiological aspects of mitochondrial, muscle, and whole animal energy transduction. Ph.D. Thesis, University of California, Berkeley. Abstracts International, **42**, 233.
2. Davies, K.J.A., Packer, L., and Brooks, G.A. (1981) Mitochondrial biogenesis and exercise energetics. *Med. Sci. Sports* **13**, 118. (Abstract).
3. Davies, K.J.A., Packer, L., Donovan, C.M., Refino, C.J., Dallman, P.R., and Brooks, G.A. (1981) Effects of iron deficiency and blood transfusion on the bioenergetics of exercise. *The Physiologist* **24**, 34 (abstract #169).
4. Brooks, G.A., Davies, K.J.A., and Packer, L. (1981) Exercise bioenergetics following sprint training. *The Physiologist* **24**, 34 (abstract #168).
5. Davies, K.J.A. and Hochstein, P. (1982) Identification of ubisemiquinone as the endogenous EPR free-radical signal of intact tissues. *Fed. Proc.: Fed. Am. Soc. Exptl. Biol.* **41**, 1739 (abstract #8590).
6. Davies, K.J.A. and Goldberg, A.L. (1983) Free radical generating systems induce protein degradation and lipid peroxidation by distinct mechanisms in red blood cells. *Fed. Proc.: Am. Soc. Biol. Chem.* **42**, 1812 (abstract #321).
7. Davies, K.J.A. and Goldberg, A.L. (1984) Proteins damaged by hydroxyl radicals can be recognized and degraded by erythrocyte and reticulocyte proteolytic systems. *Fed. Proc.: Fed. Am. Soc. Exptl. Biol.* **43**, 606 (abstract #1877).
8. Davies, K.J.A. and Delsignore, M.E. (1984) Protein damage induced by oxygen radicals. *Fed. Proc.: Am. Soc. Biol. Chem.* **43**, 1858 (abstract #2579).
9. Lin, S.W. and Davies, K.J.A. (1985) General aspects of protein damage by oxygen radicals. *Fed. Proc.: Fed. Am. Soc. Exptl. Biol.* **44**, 1093 (abstract #3990).
10. Davies, K.J.A. (1985) Free radicals and protein degradation in human erythrocytes. *Fed. Proc.: Fed. Am. Soc. Exptl. Biol.* **44**, 1894 (abstract #8665).
11. Hochstein, P., Sevanian, A., and Davies, K.J.A. (1985) The stabilization of ascorbic acid by uric acid. *Pediatric Research* **19**, 758 (Abstract #87).
12. Zhang, Y., and Davies, K.J.A. (1986) Hydroxyl radicals modify amino acids and prevent *E. coli* growth. *Fed. Proc.: Am. Soc. Biol. Chem.* **45**, 1765. (abstract #1657)
13. Davies, K.J.A., and Lin, S.W. (1986) *E. coli* proteases selectively degrade oxidized proteins. *Fed. Proc.: Am. Soc. Biol. Chem.* **45**, 1597 (abstract #682)
14. McKenna, S.M. and Davies, K.J.A. (1986) Inhibition of protein synthesis may explain the bactericidal properties of hypochlorous acid produced by phagocytic cells. *Fed. Proc.: Am. Soc. Biol. Chem.* **45**, 1911 (abstract #2512)
15. Davies, K.J.A. (1986) The physiology of free radicals: a general overview. *Proc. Intl. Union Physiol. Sci.* **16**, 446 (abstract #S421.01)
16. McKenna, S.M., and Davies, K.J.A. (1986) Hypochlorous acid and hydrogen peroxide as bactericidal agents in neutrophils. *Clin. Res.* **34**, 525 (abstract #2).
17. Davies, K.J.A. (1986) Free radicals induce lipid peroxidation and protein degradation by independent mechanisms. *J. Amer. Oil Chem. Soc.* **63**, 418 (abstract #97A)

18. McKenna, S.M., and Davies, K.J.A. (1986) Hypochlorous acid, protein damage, and bacterial killing. *Pediatric Research* **20**, 297A (Abstract #839).
19. Davies, J.M.S., Horwitz, D.A., and Davies, K.J.A. (1987) Collagen fragmentation & degradation by hypochlorous acid, N-chloroamines, & collagenase. *Arthritis and Rheumatism (Supplement)* **30**, S24 (Abstract #7W).
20. McKenna, S.M. and Davies, K.J.A. (1987) Inhibition of DNA replication by HOCl may model the bactericidal activity of phagocytes. *Fed. Proc.: Fed. Am. Soc. Exptl. Biol.* **46**, 1040 (Abstract #4219).
21. Davies, J.M.S., Horwitz, D.A., and Davies, K.J.A. (1987) A possible model for collagen breakdown by hypochlorous acid in synovitis. *Arthritis and Rheumatism (Supplement)* **30**, S76 (Abstract #C17).
22. McKenna, S.M. and Davies, K.J.A. (1987) Inhibition of **E. coli** DNA synthesis by HOCl may model the bactericidal activity of phagocytes. *Pediatric Research* **21**, 330A (Abstract #938).
23. Davies, K.J.A. (1987) Protein oxidation, protein cross-linking, and proteolysis in the formation of lipofuscin. *Abstracts of "Lipofuscin-1987: State of the Art"* pp. 24-25.
24. McKenna, S.M. and Davies, K.J.A. (1987) Bacterial killing by phagocytes: Potential role(s) of hypochlorous acid and hydrogen peroxide in protein turnover, DNA synthesis, and RNA synthesis. *Abstracts of the Fourth International Congress on Oxygen Radicals,* pp. W 3-6.
25. Pacifici, R.E., Lin, S.W., and Davies, K.J.A. (1987) The measurement of protein degradation in response to oxidative stress. *Abstracts of the Fourth International Congress on Oxygen Radicals,* pp. Th 78-81.
26. Taylor, A., Blondin, B., Davies, K.J.A., and Murakami, K. (1987) Relationships between ascorbate levels, accumulation of damaged proteins, and proteolytic capabilities in the presence and absence of photooxidative stress to the guinea pig eye lens. *Abstracts of the Fourth International Congress on Oxygen Radicals,* pp.W20-22.
27. Davies, K.J.A. (1987) Intracellular proteolytic systems as secondary antioxidant defenses. *Abstracts of the Fourth International Congress on Oxygen Radicals,* pp. CA 25-26.
28. Zhang, Y., Marcillat, O., and Davies, K.J.A. (1988) Inhibition of mitochondrial electron transport by active oxygen species. *FASEB J.* **2**, A488 (Abstract #1119).
29. Marcillat, O., Zhang, Y., and Davies, K.J.A. (1988) Mitochondrial inactivation by doxorubicin: oxidative and non-oxidative mechanisms. *FASEB J.* **2**, A776 (Abstract #2786).
30. Lin, S.W., Marcillat, O., Zhang, Y., and Davies, K.J.A. (1988) A mitochondrial proteolytic activity which preferentially degrades oxidatively damaged proteins. *FASEB J.* **2**, A1007 (Abstract #4134).
31. Pacifici, R.E. and Davies, K.J.A. (1988) A 700-kDa red cell proteinase which selectively degrades oxidatively denatured hemoglobin. *FASEB J.* **2**, A1007 (Abstract #4135).
32. Salo, D.C., Lin, S.W., Pacifici, R.E., and Davies, K.J.A. (1988) Hydrogen peroxide modified superoxide dismutase is preferentially degraded by an ATP-independent proteolytic system from red cells. *FASEB J.* **2**, A1008 (Abstract #4136).
33. Davies, K.J.A., Lin, S.W., and Pacifici, R.E. (1988) Degradation of oxidatively denatured proteins by *E. coli* proteases. *FASEB J.* **2**, A1007 (Abstract #4133).
34. Davies, K.J.A. (1988) Primary and secondary antioxidant defenses. *Abstracts of the Fourth International Congress of Cell Biology*, 13.2.11.
35. Davies, K.J.A. (1989) Proteolysis and protein repair. Abstracts of the 5th International Conference on Superoxide and Superoxide Dismutase, 62.
36. Davies, K.J.A. (1989) Protein, lipid, and DNA repair following oxidative stress. *Abstracts of The International Congress on Biological Oxidation Systems*, p. 41.
37. Giulivi, C. and Davies, K.J.A. (1990) An antioxidant role of oxyhemoglobin under oxidative conditions. *FASEB J.* **4**, A2280 (Abstract #3391).
38. Pacifici, R.E.and Davies, K.J.A. Selective proteolysis of oxidatively modified proteins by macroxyproteinase (MOP) (1990) *Free Radical Biol. Med.* **9S**, 82 (Abstract #9.3).
39. Lin, S.W. and Davies, K.J.A. (1990) On the regulation of gene expression during *Escherichia coli* adaptation to hydrogen peroxide. *Free Radical Biol. Med.* **9S**, 7 (Abstract #1.26).
40. Giulivi, C. and Davies, K.J.A. (1990) An antioxidant role for hemoglobin. *Free Radical Biol. Med.* **9S**, 10 (Abstract #2.6)
41. Wiese, A.G., Pacifici, R.E., and Davies, K.J.A. (1990) Adaptive response to hydrogen peroxide in mammalian cells *Free Radical Biol. Med.* **9S**, 6 (Abstract #1.24).
42. Salo, D.C. and Davies, K.J.A. (1990) Induction of HSP70 and other heat shock or oxidative stress proteins during exercise. *Free Radical Biol. Med.* **9S**, 7 (Abstract #1.25).

43. Sevanian, A., Davies, K.J.A., and Hochstein, P. (1990) Serum urate as an antioxidant for ascorbic acid. Abstracts of the National Cancer Institute Symposium on Ascorbic Acid - Biologic functions and relation to cancer.
44. Davies, K.J.A. (1990) Protein degradation and repair. Abstracts of Free Radicals, Cell Growth and Repair Mechanisms (34th Harden Conference - the Biochemical Society) p. 36.
45. Davies, K.J.A. (1991) Defense and repair systems in oxidative stress. Abstracts of the 1991 Albany Conference: *Molecular and Cellular Responses to Oxygen* p.2.
46. Davies, K.J.A. (1991) Defense and repair systems in oxidative stress. Abstracts of Active Oxygen, Lipid Peroxides, and Antioxidants (5th International Congress on Oxygen Radicals) p. 29.
47. Davies, K.J.A. (1992) Regulation of gene expression in oxidative stress. Abstracts of Biological Oxidants and Antioxidants (1st. Joint Meeting of the Bay Area Oxygen Club and the USC Institute for Toxicology) p. 26.
48. Davies, J.M.S. and Davies, K.J.A. (1992) Collagen breakdown by hypochlorous acid and *N*-chloroamines: possible role in synovitis. *Free Radical Research Communications* **16** Supplement 1, Abstract #17.6
49. Davies, K.J.A. (1992) Regulation of gene expression in oxidative stress. *Free Radical Research Communications* **16** Supplement 1, Abstract #7.1
50. Davies, K.J.A. (1992) Protein Modification by Oxidants *Biochem. Soc. Trans.* 645th Meeting of The Biochemical Society p. 87.
51. Davies, K.J.A. (1993) Gene expression and DNA repair in oxidative stress. Abstracts of Critical Aspects of Free Radicals in Chemistry, Biochemistry, and Medicine. Page 15, Abstract # III-3.
52. Davies, K.J.A. (1993) Protein Oxidation and Proteolysis in Aging Abstracts of the Keystone Symposium: Molecular Biology of Aging, Page 84.
53. Davies, K.J.A. (1993) The Role of Protein Oxidation and Proteasome in Antigen Processing. Abstracts of Oxidative Stress, Cell Activation, and Viral Infection (SFRR, Europe) p. 4.
54. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. (1993) Adaptive response to oxidative stress in yeast. Abstracts of Pathophysiology of the Prooxidant/Antioxidant Balance: Molecular Basis of Medical Application (SFRR Europe). Abstract # 9.6.
55. Davies, K.J.A. (1993) The Regulation of Gene Expression as a Universal Mechanism of Adaptation to Oxidative Stress. Abstracts of Pathophysiology of the Prooxidant/Antioxidant Balance: Molecular Basis of Medical Application (SFRR Europe). Abstract # 2.2.
56. Crawford, D. R., Edbauer-Nechamen, C., Salmon, S.L., Schools, G.P., and Davies, K.J.A. (1993) Modulation of Gene Expression by Oxidant Stress. Abstracts of the 40th Harden Conference (The Biochemical Society) Regulation of Gene Expression by Oxidative Stress.
57. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. (1993) Adaptation of Yeast to Hydrogen Peroxide Stress. *Free Radical Biol. Med.* **15**, 504 (Abstract #5:11)
58. Crawford, D.R., Edbauer-Nechamen, C., Schools, G.P., Salmon, S.L., and Davies, K.J.A. (1993) Oxidant-modulated gene expression in hamster HA-1 cells. *Free Radical Biol. Med.* **15**, 503 (Abstract #5:5).
59. Davies, K.J.A. (1993) Regulation of Gene Expression During Exercise. Abstracts of the International Meeting on Free Radicals and Antioxidants in Exercise (SFRR Europe) Abstract #18.
60. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. (1993) Adaption to Oxidative Stress in Yeast. Abstracts of the VIth International Conference on Superoxide and Superoxide Dismutase. Page 124, Abstract #P1106-39.
61. Davies, K.J.A. (1993) Degradation of Oxidatively Modified Proteins by Proteasome. Abstracts of the VIth International Conference on Superoxide and Superoxide Dismutase. Page 47, Abstract #S04-05.
62. Davies, K.J.A. (1993) Regulation of Gene Expression During Oxidative Stress. International Journal of Toxicology, Occupational Environmental Health. Abstract # IP-01.
63. Davies, K.J.A. (1993) The regulation of Gene Expression During Oxidative Stress. Abstracts of the 4th International Symposium on Orthomolecular Medicine. Abstract # A.25.
64. Davies, K.J.A. (1994) Oxidative Stress and the Free Radical Theory of Aging Revisited. Abstracts of the First International Conference on Oxidative Stress and Aging. Page 16.
65. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. (1994) Molecular Basis of Adaptation to Oxidative Stress in Yeast. Abstracts of the First International Conference on Oxidative Stress and Aging. Page 45.
66. Davies, K.J.A. (1994) Recognition of Hydrophobic Patches in Oxidatively Modified Proteins by Proteasome. Abstracts of the 16th International Congress of Biochemistry & Molecular Biology, Vol. 1, pp. 123, Abstract # C-III-1.

67. Davies, K.J.A. (1994) Recognition of Hydrophobic Patches in Oxidatively Modified Proteins by Proteasome. Abstracts of the Meeting, Molecular Mechanisms of Enzyme Action, Page 4, Abstract # S2.
68. Davies, K.J.A., Crawford, D., Davies, J.M.S., Lowry, C. (1994) Regulation of Gene Expression During Cell Adaptation to Oxidative Stress. *Free Radical Biol. Med.* **2, No. 6**, Abstract # S1.
69. Grune, T., Reinheckel, T., and Davies, K.J.A. (1994) Proteasome Degrades Oxidized Proteins in Rat Liver Epithelial Cells. *Free Radical Biol. Med.* **2, No. 6**, Abstract # J2.
70. Reinheckel, T., Grune, T., Talbot, M.A., and Davies, K.J.A. (1994) Proteasome Degrades Oxidized Proteins in Human Hematopoietic Cells. *Free Radical Biol. Med.* **2, No. 6**, Abstract # J2.
71. Grune, T., Reinheckel, T., and Davies, K.J.A. (1994) Proteasome Degrades Oxidized Proteins in Rat Liver Epithelial Cells. Abstracts of the 10th International Conference on Intracellular Protein Catabolism (ICOP). Abstract # P59
72. Dichter, C.R., Baker, G.T., Hennekens, C.H., Davies, K.J.A., Ziegler, R.G., Blumberg, J.B., McDonald, R.B., Cristofalo, V.J., Warner, H.R., and Starke-Reed, P.E. (1994) *The Gerontologist* **34**, pp. 233-234 (Abstract # 207).
73. Davies, J.M.S. and Davies, K.J.A. (1994) Adaptation to Oxidative Stress in *S. Cerevisiae*. Abstracts of the 653 rd meeting of the Biochemical Society (Sussex University) Page 61, Abstract # 104.
74. Davies, K.J.A. (1995) Regulation of Gene Expression as a Universal Mechanism of Adaptation During Oxidative Stress. Abstracts of *Oxidants and Antioxidants in Biology*, Annual Meeting of the Oxygen Club of California, p 48.
75. Davies, K.J.A. (1995) Gene Expression During Adaptation to Oxidative Stress is a Coordinated, Pleiotropic Process. Abstracts of the *International Symposium on Natural Antioxidants: Molecular Mechanisms and Health Effects*, Beijing, China, p 180 .
76. Davies, K.J.A. (1995) Altered Gene Expression During Adaptation to Oxidative Stress is a Universal, Coordinated, Pleiotropic Process. Abstracts of the 1995 International Society for Free Radical Research Summer Meeting, Budapest, Hungary, Abstract #76.
77. Davies, J.M.S. and Davies, K.J.A. (1995) Adaptive Responses to Oxidative Stress in Yeast. Abstracts of the 1995 International Society for Free Radical Research Summer Meeting, Budapest, Hungary, Abstract #75
78. Davies, K.J.A. (1995) Gene Expression During Adaptation to Oxidative Stress is a Highly Coordinated and Pleiotropic Process. International Congress on Free Radicals in Health and Disease, Abstracts. Istanbul, Turkey.
79. Crawford, D.R., Schools, G.P., Wang, Y., Kochheiser, J., and Davies, K.J.A. (1995) Modulation of Mammalian Gene Expression by Oxidative Stress. Abstracts of the meeting, 'Antioxidant Nutrients in the Cellular Biology of Health and Disease' FASEB Summer Conference, Saxtons River, Vermont, p 7
80. Melendez, J.A. and Davies, K.J.A. (1995) Overexpression of Manganese Superoxide Dismutase (MnSOD) Reduces the Expression of the Endogenous MnSOD mRNA and Interleukin 1α mRNA in Response to Tumor Necrosis Factor. Abstracts of the meeting, 'Antioxidant Nutrients in the Cellular Biology of Health and Disease' FASEB Summer Conference, Saxtons River, Vermont, p 1.
81. Grune, T., Reinheckel, T., and Davies, K.J.A. (1995) Degradation of Oxidised Proteins in Mammalian Cells. Abstracts of "Oxygen '95," Pasadena, California, Abstract #1-83, p54.
82. Davies, K.J.A.Coordinate Regulation of Gene Expression in the Adaptive Response to Oxidative Stress (1995) IV World Congress of the International Society for Adaptive Medicine, Chandigarh, India.
83. Davies, K.J.A.Coordinate Regulation of Gene Expression in the Adaptive Response to Oxidative Stress (1995) Myocardial Preservation and Cellular Adaptation Symposium, Madras, India.
84. Melendez, J.A., Melathe, R.P., and Davies, K.J.A. (1995) Manganese Superoxide Dismutase (MnSOD) Overexpression Modulates the Basal and TNF-induced Interleukin-1α Levels. Abstracts of the 1996 Keystone Symposium, 'Oxidative Stress: From Molecules to Man,' Santa Fe, New Mexico, Abstract #211, p26.
85. Davies, K.J.A. (1996) Expression of Growth-Arrest Genes During Adaptation to Oxidative Stress. Abstracts of the 1996 Oxygen Club of California Meeting, Santa Barbara, California.
86. Davies, K.J.A. and Davies, J.M.S. (1996) Relationship of Oxidative Stress to Mitogenesis, Growth-Arrest, Apoptosis, and Necrosis. Abstracts of 'Oxidative Stress and Redox Regulation', Paris, France, p11.
87. Grune, T., Reinheckel, T., and Davies, K.J.A. (1996) Breakdown of Oxidized Proteins as Part of Secondary Antioxidant Defenses in Mammalian Cells. Abstracts of the International Conference on Molecular Mechanisms and Pathophysiological Conse-quences of Oxidative Damage in Membranes and Lipoproteins, Graz, Austria, p2.

88. Davies, K.J.A. (1997) Selective Degradation/Down Regulation of Mitochondrial rRNA,s, mRNA's and DNA During Apoptosis. Abstracts of the 1997 OCC Meeting, Santa Barbara, CA 2/26 - 3/1, 1997, pp. 64-65.
89. Davies, K.J.A. (1997) Selective Regulation of Gene Expression in Response to Oxidative Stress. Abstracts of the 1997 NATO/FEBS Meeting - Free Radicals, Oxidative Stress, and Antioxidants: Pathological & Physiological Significance, 5/24 - 6/4, 1997, Antalya, Turkey, pp. 21-22.
90. Davies, K.J.A. (1997) Selective Protein Oxidation & Proteolysis in Response to Oxidative Stress. Abstracts of the 1997 NATO/FEBS Meeting - Free Radicals, Oxidative Stress, and Antioxidants: Pathological & Physiological Significance, 5/24 - 6/4, 1997, Antalya, Turkey, pp. 17-20.
91. Davies, K.J.A. (1997) Selective Degradation of Mitochondrial rRNA and mRNA is an Early Event in Apoptosis. Abstracts of the 1997 SFRR Europe Meeting, Abano Terme, Italy, 6/26 - 6/28, 1997, p. 71.
92. Davies, K.J.A. (1997) Selective Redox Modulation of Cell Proliferation & Cell Death. Abstracts of 6th European ISSX Meeting, Gothenburg, Sweden 6/30 - 7/3, 1997. Published in *ISSX Proceedings* (ISSN 1061-3439) Vol. 11, p. 9.
93. Davies, K.J.A. (1997) Selective Oxidative Stress: The Paradox of Aerobic Life. Abstracts of the Unilever International Symposium on 'Antioxidants & Health', 12/17-12/19, 1997, Colworth House, Bedfordshire, UK, pp. 41-53
94. Davies, K.J.A. (1998) Degradation of Mitochondrial rRNA and mRNA Transcription, Translation, and Turnover During Oxidant Induced Apoptosis. Abstracts of the 1st Middle East Regional Meeting on Medical Sciences: 'The Role of Free Radicals in Health & Disease.' Jerusalem, Israel 3/22-3/26, 1998 and Amman, Jordan, 3/26-3/28, 1998, pp 23-24.
95. Davies, K.J.A. (1998) Antioxidant Defense & Repair Systems. Abstracts of the International Coenzyme Q10 Association - 3rd Annual Meeting, 5/21-5/24, Boston, Massachusetts, p. 12.
96. Davies, K.J.A. (1998) Aging: From Molecular Mechanisms to Therapeutic Interventions. Abstracts of the IX Biennial Meeting of the International Society for Free Radical Research, São Paulo, Brazil, 9/7-9/11, p. 15.
97. Davies, K.J.A. (1998) Mitochondrial RNA and DNA Degradation Signals Apoptosis in Oxidant Stress. Abstracts of the Conference on 'Oxidant & Antioxidant Signalling in Cellular Responses,' Iguazu, Argentina, 9/12-9/14, p. L17.
98. Shringarpure, R. and Davies, K.J.A. (1999) Alzheimer's Amyloid-β Peptide (Aβ) Inhibits the 20S Proteasome. Abstracts of the Oxygen Club of California 1999 World Congress, Santa Barbara, CA, USA, 3/3-3/6, p.222.
99. Sitte, N., von Zglinicki, T., Huber, M., Davies, K.J.A., and Grune, T. (1999) Lipofuscin Inhibits the Proteolytic Activity of the 20S Proteasome During the Aging of Fibroblasts. Abstracts of the Oxygen Club of California 1999 World Congress, Santa Barbara, CA, USA, 3/3-3/6, p. 225.
100. Demasi, M. and Davies, K.J.A. (1999) Accumulation, Aggregation, and Precipitation of Oxidatively Modified Proteins During Proteasome Inhibition. Abstracts of the Oxygen Club of California 1999 World Congress, Santa Barbara, CA, USA, 3/3-3/6, p. 125.
101. Ermak, G. and Davies, K.J.A. (1999) Expression of the *Adapt78* Gene in Neurons may be associated with Alzheimer's Disease. Abstracts of the Oxygen Club of California 1999 World Congress, Santa Barbara, CA, USA, 3/3-3/6, pp. 129-130.
102. Davies, K.J.A. (1999) Stress response and the free radical theory of aging. *Clinical Chemistry and Laboratory Medicine.* **37**(S2), 1.
103. Davies, K.J.A. (1999) The free radical theory of aging revisited: from molecular mechanisms to therapeutic interventions. *Gerontologie und Geriatrie* **32** (2) 6.
104. Davies, K.J.A. (1999) Oxidative stress, gene expression, and apoptosis in neurodegenerative diseases. Abstracts of SFRR Europe 1999. QP 46.
105. Reinheckel, T., Davies, K.J.A., and Grune, T. (1999) Proteasome regulation during oxidative stress. Abstracts of SFRR Europe 1999. QP 13.
106. Shringarpure, R., Grune, T., and Davies, K.J.A. (1999) Inhibition of the 20S proteasome by the amyloid-β peptide. Abstracts of SFRR Europe 1999. P 163.
107. Davies, K.J.A. (1999) Protein oxidation and proteolysis in response to oxidative stress. FEBS, 9-11.
108. Davies, K.J.A. (1999) The broad spectrum of responses to oxidants in proliferating cells: A new paradigm for oxidative stress. FEBS, 8-9.
109. Davies, K.J.A. (1999) Protein oxidation, protein degradation, and the free radical theory of aging. *The New Biology of Aging* 26.

110. Davies, K.J.A. (1999) The free radical theory of aging revisited. *IUBMB Molecular & Cellular Networks* S 11-4.
111. Davies, K.J.A. (1999) Degradation of oxidized proteins by the proteasome. Bio-Flavonoids & Polyphenols in Health & Disease. QP 40.
112. 113. Davies, K.J.A. (1999) Age-related changes in the degradation of oxidized proteins by proteasome. *Free Radic. Biol. Med.* **27**, (S1) P7-S5.
113. Melendez, J.A. Kim, K.-H., Rodriguez, A.M., and Davies, K.J.A. (1999) Nitric oxide enhances the MnSOD-dependent suppression of proliferation in fibrosarcoma cells. *Free Radic. Biol. Med.* **27**, (S1) 241-S81.
114. Melendez, J.A. Rodriguez, A.M., Carrico, P.M., Bennett, J.A. and Davies, K.J.A. (1999) Mitochondrial catalase potentiates the antitumor effects of manganese superoxide dismutase. *Free Radic. Biol. Med.* **27**, (S1) 450-S147.
115. Bota, D.A. and Davies, K.J.A. (2000) Mitochondrial proteolysis of oxidatively-denatured aconitase. Abstracts of the Oxygen Club of California 2000 World Congress, Santa Barbara, CA, USA, 3/1-3/4, pp. 124-125.
116. Ermak, G. and Davies, K.J.A. (2000) *Adapt78* overexpression protects PC 12 cells against oxidative damage. Abstracts of the Oxygen Club of California 2000 World Congress, Santa Barbara, CA, USA, 3/1-3/4, pp. 137-138.
117. Shringarpure, R., Grune, T., and Davies, K.J.A. (2000) Ubiquitin may be expendable during recognition and degradation of oxidized proteins by the proteasome. Abstracts of the Oxygen Club of California 2000 World Congress, Santa Barbara, CA, USA, 3/1-3/4, pp. 209-210.
118. Davies, K.J.A. (2000) Proteasome inhibition during aging. Abstracts of the 2000 SFRR Europe Meeting, Liverpool, England.
119. Davies, K.J.A. (2000) Oxidative stress, adaptive gene responses, and cell survival. Abstracts of the 4th UNESCO-MCBN/COSTAM Workshop: Micronutrients and Health, Molecular Biological Mechanisms, Langkawi, Malaysia.
120. 121 . Davies, K.J.A. (2000) The proteasome: A molecular machine for degrading oxidized proteins. Abstracts of the 10th Biennial Meeting of the International Society for Free Radical Research, Kyoto, Japan. Abstract EL2 pp. 2.
121. Davies, K.J.A. (2000) Proteasome inhibition and protein oxidation in aging. Abstracts of the Aging and Natural Antioxidants Meeting, Okinawa, Japan.
122. Ermak, G. and Davies, K.J.A. (2000) Adapt78 can protect cells against oxidative stress. Abstracts of the 7th Annual Meeting of The Oxygen Society, San Diego, CA. Abstract 150, pp. S55, *Free Radic. Biol. Med.* **29 (S1)**.
123. Bota, D. and Davies, K.J.A. (2000) The lon protease appears to be primarily responsible for degradation of oxidatively-denatured aconitase in mitochondria . Abstracts of the 7th Annual Meeting of The Oxygen Society, San Diego, CA. Abstract 242, pp. S80, *Free Radic. Biol. Med.* **29 (S1)**.
124. Shringarpure, R., Grune, T., and Davies, K.J.A. (2000) Ubiquitin may not be required for the degradation of oxidized proteins in vivo. Abstracts of the 7th Annual Meeting of The Oxygen Society, San Diego, CA. Abstract 264, pp. S86, *Free Radic. Biol. Med.* **29 (S1)**.
125. Davies, K.J.A. (2000) Apoptosis involves mitochondrial oxidative stress and the selective degradation of mitochondrial rRNA, mRNA, and mtDNA. Abstracts of the 7th Annual Meeting of The Oxygen Society, San Diego, CA. Abstract 308, pp. S99, *Free Radic. Biol. Med.* **29 (S1)**.
126. Davies, K.J.A. (2000) Gene expression and adaptation to oxidative stress. Abstracts of the Universidad International Menendez Pelayo Symposium, Antioxidantes y Salud: Bioquimica y Fisiopatologia del Estres Oxidativo, Valencia, Spain.
127. Davies, K.J.A. (2000) The proteasome in oxidative stress and aging. Abstracts of the II International Meeting on Oxidative Stress: Biochemistry and Pathophysiology (SFRR Europe) Valencia, Spain.
128. Davies, K.J.A. (2000) Down regulation and degradation of mitochondrial mRNA, rRNA, and DNA during oxidant-induced apoptosis. Abstracts of Free Radical Reactions in General Pathology (Festschrift for Mario Dianzani), Turin, Italy.
129. Ermak, G., Rozovsky, I.K., and Davies, K.J.A. (2000) Adapt78 can protect neuronal cells against oxidative stress. Abstracts of the Society for Neuroscience, Part 2, pp. 2135, Abstract # 801.5.
130. Davies, K.J.A. (2001) Proteolytic pathways and cellular protection during oxidative stress, aging and disease. Abstracts of the Oxygen Club of California 2001 Congress, pp. 34.
131. Bota, D.A. and Davies, K.J.A. (2001) Degradation of oxidatively-denatured aconitase by the *lon* protease in mitochondria. Abstracts of the Oxygen Club of California 2001 Congress, pp. 106.

132. Ermak, G., Morgan, T., and Davies, K.J.A. (2001) Overexpression of the calcineurin inhibitory gene DSCR1 (Adapt78) is associated with Alzheimer's disease. Abstracts of the Oxygen Club of California 2001 Congress, pp. 115.
133. Shringarpure, R., Grune, T., and Davies, K.J.A. (2001) Ubiquitin-independent degradation of oxidized proteins by proteasome Abstracts of the Oxygen Club of California 2001 Congress, pp. 165.
134. Davies, K.J.A. (2001) Antioxidant defenses - an overview. Abstracts of the Second International Conference on Oxidative Stress and Aging, pp. S23.
135. Davies, K.J.A. (2001) Degradation of oxidized proteins by the 20S proteasome (Plenary Lecture) Abstracts of the Fourth International Workshop on Proteasomes
136. Davies, K.J.A. (2001) The role of calcium in the induction of the *DSCR1 (Adapt78)* gene. Abstracts of the 2001 SFRR Europe Meeting, Abstract # OC 22.
137. Bota, D.A., Davies, K.J.A., (2001) The LON Protease Function in Degradation of Oxidatively-Denatured Aconitase in Mitochondria and Mitochondrial Biogenesis. NATO-UNESCO 2001 Advanced Free Radical Workshop, Antalya, Turkey, Abstract #56.
138. Davies, K.J.A. (2001) Molecular strategies for coping with oxidative stress. 'LIST 2001, AIST Kansai Meeting,' Abstract # HLS - 5.
139. Ermak, G., Morgan, T., and Davies, K.J.A. (2001) Chronic overexpression of the calcineurin inhibitory gene *DSCR1* is associated with Alzheimer's disease. 3rd Annual Meeting of the Society for Neuroscience, Abstract 92.5, VV-62.
140. Shringarpure, R.P. and Davies, K.J.A. (2001) Potential importance of oxidized proteins and proteasome in neurodegenerative diseases. 3rd Annual Meeting of the Society for Neuroscience, Abstract 861.2, WW-9.
141. Davies, K.J.A. (2001) Oxidative stress in exercise: 'The good, the bad, and the ugly' (Plenary speaker) Oxidants, Antioxidants, and Gene Regulation in Exercise, Rennes, France, Abstract pp. C2.
142. Bota, D.A. and Davies, K.J.A. (2002) The Lon protease preferentially degrades oxidized mitochondrial aconitase by an ATP-stimulated mechanism. Abstracts of the Oxygen Club of California 2002 Congress, pp. 108.
143. Bota, D.A. and Davies, K.J.A. (2002) Down regulation of the Lon protease causes impairment of mitochondrial morphology and function, and results in cell death. Abstracts of Oxygen Club of California 2002 Congress, pp. 109.
144. Bota, D.A. van Remmen, H., and Davies, K.J.A. (2002) Modulation of Lon protease activity and aconitase turnover with aging and oxidative stress. Abstracts of the Oxygen Club of California 2002 Congress, pp. 110.
145. Harris, C., Ermak, G., and Davies, K.J.A. (2002) Differential expression of *DSCR1 (Adapt78)* isoforms 1 and 4 in Alzheimer's disease. Abstracts of the Oxygen Club of California 2002 Congress, pp. 129.
146. Shringarpure, R., Grune, T., and Davies, K.J.A. (2002) Ubiquitin-independent degradation of oxidized proteins by the proteasome Abstracts of the Oxygen Club of California 2002 Congress, pp. 163.
147. Bota, D.A. and Davies, K.J.A. (2002) Modulation of Lon protease activity and aconitase turnover with aging and oxidative stress. Abstracts of the American Federation for Aging Research, 15th Annual Grantee Conference, New York Academy of Sciences, New York, NY, pp. 4.
148. Davies, K.J.A. (2002) Mitochondrial nucleases, calcium, and the lon protease in apoptosis. Abstracts of the International Symposium on Reactive Oxygen and Nitrogen Species: Diagnostic, Preventive, and Therapeutic Values, St. Petersburg, Russia. pp. 4.
149. Davies, K.J.A. (2002) . HNE, Protein aggregates, and proteasome. Abstracts of the First International Meeting on 4-Hydroxynonenal and Other Lipid Peroxidation Products, Salzburg, Austria, pp. 6..
150. Davies, K.J.A. (2002) Vital protective roles for the 20S proteasome and the mitochondrial Lon protease during oxidative stress, aging, and in stress-related diseases. Abstracts of the XIth Biennial General Meeting of the International Society for Free Radical Research, Paris, France. *Free Radic. Biol. Med.* **33 S1**, pp. S2.
151. Davies, K.J.A. (2002) Transient induction of the *DSCR1(Adapt78) gene provides oxidative stress resistance but chronic expression is linked with Alzheimer disease*. Abstracts of the XIth Biennial General Meeting of the International Society for Free Radical Research, Paris, France. *Free Radic. Biol. Med.* **33 S1**, pp. S59.
152. Teoh, C. and Davies, K.J.A. (2002) The broad spectrum of antioxidant defense and oxidant repair mechanisms. Abstracts of the EUROFEDA Meeting, Cambridge, UK, pp. 8-12.
153. Davies, K.J.A. (2003) Mitochondria, calcium, proteolysis, and apoptosis. Abstracts of the meeting "Oxidants and Antioxidants in Biology", Cadiz, Spain, pp. 28.
154. Davies, K.J.A. (2003) Calcium and oxidative stress: from cell signaling to cell death. Abstracts of the meeting 'Diet & Optimal Health' the 2nd Linus Pauling Institute Conference, Portland, OR.

155. Davies, K.J.A. (2003) Transient induction of the *DSCR1(Adapt78)* gene provides oxidative stress resistance but chronic expression is linked with Alzheimer disease. Abstracts of the meeting "Frontiers in Neurodegenerative Disorders and Aging: Fundamental Aspects, Clinical Perspectives and New Insights' A NATO/FEBS/IUBMB Advanced Workshop. Antalya, Turkey, pp 17.
156. Davies, K.J.A. (2003) Vital protective roles for the 20S Proteasome and the mitochondrial Lon Protease during oxidative stress, stress-related diseases, and aging. Abstracts of the meeting, "Frontiers in Neurodegenerative Disorders and Aging: Fundamental Aspects, Clinical Perspectives and New Insights' A NATO/FEBS/IUBMB Advanced Workshop. Antalya, Turkey, pp. 18.
157. Davies, K.J.A. (2003) Mitochondrial protein oxidation and proteolysis: the role of the Lon Protease. Abstracts of 'Mitochondria 2003' The joint annual meeting of the Mitochondrial Medicine Society, the Mitochondrial Research Society, and the United Mitochondrial Disease Foundation. San Diego, CA,pp. 31.
158. Davies, K.J.A.(2003) Adaptation to oxidative stress. Abstracts of the Annual Meeting of the European Society for Free Radical Research. Ioannina, Greece, *Free Radical Research* **37,** S1, pp. 12.
159. Ermak, G. and Davies, K.J.A. (invited talk) DSCR1(Adapt78) regulates tau phosphorylation. Abstracts of the XVth International Congress of Neuropathology, Torino, Italy, 09/14-09/18, 2003, Abstract #121, pp. S55.
160. Davies, K.J.A. (2003) Decline in proteasome and lon protease activity with age: Transcriptional dysregulation or inhibitor accumulation? *Biogerontology* **4,** abstract #40.
161. Teoh, C.and Davies, K.J.A. (2003) Protein oxidation may be a universal mechanism for MHC class I antigen presentation by the immunoproteasome. *Free Radic Biol. Med*. **35, S1**, S112 (Abstract #355).
162. Harris, C., Ermak, G., and Davies, K.J.A. (2003) Differential expression of *DSCR1 (Adapt78)* isoforms in Alzheimer's disease . *Free Radic Biol. Med*. **35, S1**, S66 (Abstract #193).Ngo, J.K., Bota, D.A., and Davies, K.J.A. (2004) The Role of the Lon Protease in Maintaining Mitochondrial Homeostasis. Abstracts of the Oxygen Club of California 2004 Congress, pp. 125.
164. Lin, S.W., Balasubramanian, P., and Davies, K.J.A. (2004) Proteolysis In Cells Deficient In The 26s Proteasome S4 (Atp-Ase) Subunit. Abstracts of the Oxygen Club of California 2004 Congress, pp. 116.
165. Ermak, G. and Davies, K.J.A. (2004) SOD1 Gene Expression Is Modulated by *DSCR1 (Adapt78).* Abstracts of the Oxygen Club of California 2004 Congress, Santa Barbara, California, 3/10 – 3/13, 2004, pp. 92.
166. Teoh, C. and Davies, K.J.A. (2004) Degradation of Oxidized Proteins by the Immunoproteasome. Abstracts of the Oxygen Club of California 20004 Congress, pp. 141.
167. Harris, C., Ermak, G., and DaviesK.J.A. (2004) Differential expression of *DSCR1 (Adapt78)* isoforms 1 and 4 in Alzheimer's disease. Abstracts of the Oxygen Club of California 2004 Congress, pp. 103Davies, K.J.A. (2004) The Lon Protease, Aging, And Degenerative Diseases. Abstracts of the Oxygen Club of California 2004 Congress, pp. 13.
169. Fratta, P., Engel, W.K., McFerrin, J., Davies, K.J.A., Lin, S.W., and Askanas, V. (2004) Proteasome Inhibition Induces Aggresome Formation in a Culture Model of Inclusion-Body Myositis (IBM). Abstracts of the 57th Annual Meeting of the American Academy of Neurology, Abstract # S24.005.
170. Davies, K.J.A. (2004) Regulation of Cell Growth, Survival, or Death by Oxidants. Abstracts of the 12th Biennial Meeting of the International Society for Free Radical Research, *Free Radic. Biol. Med.* **36**, S46, Abstract S20-104.
171. Davies, K.J.A. and Ermak, G. and (2004) Is *DSCR1(Adapt78)* A Janus Gene that Provides Stress Protection but Causes Alzheimer's Disease? Abstracts of the Meeting: Towards Gene-Phenotype Correlations in Down Syndrome: Expert Workshop on the Biology of Chromosome 21 Genes, page 9.
172. Ermak, G. and Davies, K.J.A. (2004) *DSCR1(Adapt78)* Structure, Expression, and Signal Transduction Pathways. Abstracts of the Meeting: Towards Gene-Phenotype Correlations in Down Syndrome: Expert Workshop on the Biology of Chromosome 21 Genes, page 10.
173. Davies, K.J.A. (2004) Vital Protective Roles of the Proteasome and the Mitochondrial Lon Protease During Oxidative Stress and Aging, and in Stress Related Diseases. Abstracts of Nobel Conference No. 46: Redox Signalling and Cellular Function, pp. 23.
174. Davies, K.J.A. (2004) Regulation of Gene Expression During Reversible Adaptation to Oxidative Stress. Abstracts of the 29th FEBS Congress, *EJB The FEBS Journal* **271,** S1, Abstract S1.1-08, pp. 4.
175. Davies, K.J.A. (2004) Protective Roles of the Mitochondrial Lon Protease During Oxidative Stress and Aging, and Disease. Abstracts of the Annual Meeting of the European Society for Free Radical Research, pp. 27.
176. Davies, K.J.A. (2004) Vital Protective Roles for the 20S Proteasome and the Mitochondrial Lon Protease During Stress and Aging. 2nd Meeting of the HNE Society: HNE and Lipid Peroxidation Products – From Basic Science to Medicine, Abstract #S2

177. Davies, K.J.A. (2005) Exercise and Free Radicals. Abstracts of the 2nd Workshop on Comparative Aspects of Oxidative Stress in Biological Systems, pp 3.
178. Lin, S. W, and Davies, K.J.A. (2005) New Insight into Proteasome Function from Cells Treated with ATPase Subunit S4 SiRNA. Abstracts of the 35th Annual Meeting of the American Society for Biochemistry and Molecular Biology, Abstract #234.18.
179. Ngo, J and Davies, K.J.A. (2005) The role of the human lon protease in maintaining mitochondrial homeostasis. Abstracts of the 35th Annual Meeting of the American Society for Biochemistry and Molecular Biology, Abstract #510.4.
180. Fratta, P., Engel, W.K., McFerrin, J., Davies, K.J.A., Lin, S.W., and Askanas, V. (2005) Proteasome inhibition induces aggresome formation in a culture model of inclusion-body myositis. Abstracts of the 57th Annual Meeting of the American Academy of Neurology, Abstract # S24.005.
181. Davies, K.J.A. (2005) Vital protective roles for the proteasome and the mitochondrial lon protease in oxidative stress, stress-related diseases, and aging. Abstracts of the 2005 Young Physiologists Symposium of the Physiological Society (UK), page 31.
182. Davies, K.J.A. (2005) Calcineurin regulatory gene (*DSCR1, ADAPT78, CALCIP1*, or *RCAN*) in oxidative stress, Down syndrome, and Alzheimer disease. Abstracts of the 2005 Annual Meeting of the European Society for Free Radical Research, *Free Radical Research* **39**: Supplement 1, Page S32, Abstract # PL40
183. Davies, K.J.A. (2006) Role of the stress-inducible gene *RCAN-1*in age-associated tauopathies. *Free Radical Research* **40:** S40.
184. Davies, K.J.A. (2006) Transient induction of the *RCAN1*gene provides oxidative stress resistance, but chronic expression is linked with Alzheimer disease and other 'tauopathies.' Abstracts of the 2006 Buck Institute for Age Research Conference, pp. 19.
185. Davies, K.J.A. (2006) Protein oxidation & proteolysis in Ageing. Abstracts of the 5th European Conference on Biogerontology, pp. 22.
186. Davies, K.J.A. (2006) Adaptive responses to acute, chronic, or repetitive oxidative stress in health, disease, and aging. *Free Radical Biology & Medicine*, **41, S1**, pp. xiv.
187. Powell, S., *Davies, K.J.A., and Divald, A. (2006)* Optimal determination of heart tissue 26s proteasome activity requires maximal stimulating concentrations of ATP. *Free Radical Biology & Medicine*, **41, S1**, S102 (Abstract #258).
188. Davies, K.J.A. (2007) Protein oxidation and proteolysis in ageing. Abstracts of the 2nd International Symposium on Nutrition, Oxygen Biology, and Medicine, Paris, France, pp. 34, (abstract #OP26).
189. Davies, K.J.A. (2007) Exercise, free radicals, and adaptation. Abstracts of the International Symposium on Exercise, Free Radicals, and Antioxidants, Valencia, Spain, pp.25.
190. Davies, K.J.A. (2007) The mitochondrial Lon protease and adaptive responses to oxidative stress in ageing. Abstracts of the 12th Congress of the International Association of Biomedical Gerontology (IABG), Spetses, Greece, pp. 2.
191. Davies, K.J.A. (2008) Protein oxidation, proteasome, and Lon protease as biomarkers for oxidative stress. Abstracts of the HSSRC/AIST-NIEHS/NIH Joint International Symposium: Biomarkers of Oxidative Stress in Health and Diseases ("BOSHD 2008") Page O-1-1 to O-1-2.
192. Davies, K.J.A. (2008) Inducibility of the Proteasome and of the lon protease in oxidative stress, disease, and ageing (Abstracts of the SFRR Europe Annual Meeting 2008). *Free Radical. Research.***42:** Supplement 1, Page S40, Abstract # S6-2.
193. Davies, K.J.A. (2008) Diminished adaptability and inducibility of the Proteasome and of the lon protease to oxidative stress during ageing. Abstracts of the British Society for Research on Ageing Annual Meeting 2008, Page 22.
194. Davies, K.J.A. (2008) The degradation of oxidized proteins protects against oxidative stress (Abstracts of the SFRBM Annual Meeting 2008). *Free Radic. Biol. Med.* **45:** Supplement 1, P 7.

G. Book Reviews

1. Davies, K.J.A. (1985) Review of "Oxygen Radicals in Biological Systems", Methods in Enzymology, Vol 105 (Packer, L., ed.) Academic Press, Orlando. In: *J. Free Radicals Biol. Med* **1**, 240.
2. Davies, K.J.A. (1985) Review of "Oxygen Radicals in Chemistry and Biology" (Bors, W., Saran, M., and Tait, D., eds.) Walter de Gruyter, Berlin/New York. In: *J. Free Radicals Biol. Med* **1**, 471.
3. Davies, K.J.A. (1986) Review of: "Singlet Oxygen", Vols. 1,2,3,and 4, (Frimer, A.A., ed.) CRC Press, Boca Raton. In: *J. Free Radicals Biol. Med* **2**, 149.
4. Davies, K.J.A. (1987) Review of: "Handbook of Methods for Oxygen Radical Research" (Greenwald, R.A., ed.) CRC Press, Boca Raton. In: *Free Radical Biol. Med.* **3**, 161.
5. Davies, K.J.A. (1987) Review of: "Superoxide and Superoxide Dismutase in Chemistry, Biology, and Medicine" (Rotilio, G., ed.) Elsevier Science, Amsterdam. In: *Free Radical Biol. Med.* **3**, 423.
6. Davies, K.J.A. (1987) Review of: "Oxygen Free Radicals in Shock" (Novelli, G.P. and Ursini, F., eds.) Karger, Basel/New York. In: *Free Radical Biol. Med.* **3**, 423.
7. Davies, K.J.A. (1987) Review of: "The Heart and Circulatory System: Scientific Foundations", Vols. 1 and 2 (Fozzard, H.A., Haber, E., Jennings, R.B., Katz, A.M., and Morgan, H.E., eds.) Raven Press, New York. In: *Free Radical Biol. Med.* **3**, 423.
8. Davies, K.J.A. (1987) Review of: "Articular Cartilage Biochemistry" (Kuettner, K.E., Schleyerbach, R., and Hascall, V.C., eds.) Raven Press, New York. In: *Free Radical Biol. Med.* **3**, 423.
9. Davies, K.J.A. (1987) Review of: "Free Radicals in Liver Injury" (Poli, G., Cheeseman, K.H., Dianzani, M.U., and Slater, T.F., eds.) IRL Press, Oxford/Washington. In: *Free Radical Biol. Med.* **3**, 423-424.

H. Editorials, Letters, *etc*

1. Davies, K.J.A. (1985) Editorial. *J. Free Radicals Biol. Med* **1**, 1-2.
2. Davies, K.J.A. (1986) High school scientists. *Science* **232**, 145.
3. Davies, K.J.A. (1986) Editorial. *J. Free Radicals Biol. Med* **2**, 1.
4. Davies, K.J.A. (1986) Free radical biology & medicine. *J. Free Radicals Biol. Med.* **2**, 343-344.
5. Davies, K.J.A. and Pryor, W.A. (1987) The Radical View. *Free Radical Biol. Med.* **3**, 1.
6. Pryor, W.A. and Davies, K.J.A. (1987) The Radical View. *Free Radical Biol. Med.* **3**, 83.
7. Davies, K.J.A. (1987) The Radical View: Young investigator award in free radical biology and medicine. *Free Radical Biol. Med.* **3**, 311-312.
8. Davies, K.J.A. and Pryor, W.A. (1988) The Radical View: The Oxygen Society. *Free Radical Biol. Med.* **3**, 369-370.
9. Davies, K.J.A. (1988) The Radical View: Common questions answered. *Free Radical Biol. Med.* **4**, 77-78.
10. Davies, K.J.A. and Pryor, W.A. (1988) The Radical View: Oxygen Society membership information. *Free Radical Biol. Med.* **4**, 203-204.
11. Davies, K.J.A. (1988) The Radical View: Of meetings, conferences, and books. *Free Radical Biol. Med.* **4**, 335.
12. Davies, K.J.A. (1988) The Radical View: Young investigator award 1988. *Free Radical Biol. Med.* **5**, 131-132.
13. Pryor, W.A. and Davies, K.J.A. (1988) Free radical journals. In: *40th Anniversary Festschrift for Pergamon Press,* Pergamon Press.
14. Davies, K.J.A., Lin, S.W., and Pacifici, R.E. (1988) The degradation of oxidatively denatured proteins: A housekeeping function of MOP. *International Committee on Proteolysis Newsletter,* August 1988, page 3.
15. Davies, K.J.A. Fridovich, I., Pryor, W.A., and Simic, M.G. (1989) The Radical View: The Oxygen Society and SFRR International. *Free Radical Biol. Med.* **6**, 1-2.
16. Davies, K.J.A. (1989) The Radical View: Hi Society. *Free Radical Biol. Med.* **6**, 121-122.
17. Davies, K.J.A. (1989) The Radical View: The 5th Biennial General Meeting of SFRR International "Oxidative Damage & Repair" Nov. 14-20, 1990 in Pasadena, California. *Free Radical Biol. Med.* **6**, 345-346.
18. Davies, K.J.A. (1989) The Radical View: It's getting better all the time. *Free Radical Biol. Med.* **7**, 115-116.
19. Davies, K.J.A. (1990) The Radical View: Organizer's welcome message. *Free Radical Biology & Medicine*. **9S**, i.
20. Pryor, W.A. and Davies, K.J.A. (1991) The Radical View: *Free Radical Biology & Medicine*. **11**, iii.
21. Fridovich, I., Packer, L., and Davies, K.J.A. (1991) The Radical View: A proposal to limit the proliferation of major meetings. *Free Radical Biology & Medicine*. **11**, v.
22. Davies, K.J.A. (1992) The Radical View: Of societies, meetings, and journals. *Free Radical Biology & Medicine*. **12**, iii.

23. Davies, K.J.A. (1990) The Radical View: Nomenclature. *Free Radical Biology & Medicine*. **13**, viii-ix.
24. Davies, K.J.A. (1993) Oxygen Society News: 1st Annual Oxygen Society Meeting. **14**, I-II
25. Pryor, W.A. and Davies, K.J.A. (1993) The Radical View: Are you getting dotty? or Do you know where your dots are? *Free Radical Biology & Medicine*. **14**, vii.
26. Davies, K.J.A. (1993) Oxygen Society News. *Free Radical Biology & Medicine*. **14**, xvii-xx.
27. Davies, K.J.A. (1993) The Radical View: President's Welcome Message. *Free Radical Biology & Medicine*. **15**, ii.
28. Pryor, W.A. and Davies, K.J.A. (1993) The Radical View. *Free Radical Biology & Medicine*. **15**, vii-viii
29. Davies, K.J.A. (1994) Oxygen Society News. *Free Radical Biology & Medicine*. **16**, I-III.
30 Davies, K.J.A. (1994) Oxygen Society News. South American Group Established. *Free Radical Biology & Medicine*. **17**, I.
31. Davies K..J.A. (1994) Foreword in the book *Oxygen Responses, Reactivities, and Measurements in Biosystems.* S.N. Mukhopadhyay and D.P. Das *eds.*, 212 pages, (ISBN No. 0-8493-4730-0) CRC Press, Boca Raton, Florida
32. Davies, K.J.A., Pryor, W.A., Bonanno, T., and Dunn, R. (1995) The Radical View, *Free Radical Biology & Medicine*. **18**, ix.
33. Davies, K.J.A. and Pryor, W.A. (1995) The Radical View. *Free Radical Biology & Medicine*. **18**, vii.
34. Davies, K.J.A. (1997) Hermann Esterbauer - In Memoriam. *Free Radical Biology & Medicine* **23**, 832
35. Davies, K.J.A. (1999) The birth of Life. *IUBMB Life* **48**, 1-1.
36. Pryor, W.A. and Davies, K.J.A. (1999) The radical view. *Free Radic. Biol. Med.* **26**, 784.
37. Pryor, W.A. and Davies, K.J.A. (1999) The radical view. *Free Radic. Biol. Med.* **26**, 1071.
38. Davies, K.J.A. and Cadenas, E. (2000) Tribute to Lars Ernster, Ph.D. *Free Radic. Biol. Med.* **29,** 201.
39. Davies K.J.A. (2003) Dr. Catherine Pasquier 1940-2002. Free Radic Biol Med. **34**, 1225-1229.
40. Davies K.J.A. and Newman A. (2003) The Radical View. *Free Radic Biol Med* 34, 505.
41. Davies, K.J.A. and Pryor, W.A. (2004) The Radical View: Bernard M. Babior Dies at 69 *Free Radic. Biol. Med.* 37, 1919–1920.
42. Davies, K.J.A. (2008) In Memoriam: Earl R. Stadtman (1919-2008). *Free Radic. Biol. Med.* **44**: 919-920.

MEETINGS & CONFERENCES ORGANIZED

1. "Intermediary Metabolism" (symposium chairperson) at the Federation of American Societies for Experimental Biology 66th Annual Meeting, New Orleans, Louisiana, 4/15-4/23, 1982.
2. "Protein Metabolism" (symposium organizer and chairperson) at the Federation of American Societies for Experimental Biology 69th Annual Meeting, Anaheim, California, 4/21-4/26, 1985.
3. "The Physiology of Free Radicals" (conference organizer and chairperson) at the 30th Congress of The International Union of Physiological Sciences, Vancouver, Canada, 7/13-7/18, 1986.
4. "Protein Oxidation & Protein Turnover" (symposium co-organizer and co-chairman) at the 4th International Congress on Oxygen Radicals, San Diego, CA, 6/27-7/3, 1987.
5. "Repair Mechanisms in Oxidative Stress" (symposium organizer and chairperson) at the Fifth International Conference on Superoxide and Superoxide Dismutase, Jerusalem, Israel, 9/17-9/22, 1989.
6. "Oxidative Damage & Repair": The 5th Biennial Meeting of the International Society for Free Radical Research (meeting organizer) Pasadena, California, 11/14-11/20, 1990. A total of 1,150 registrants attended the meeting.
7. "Oxygen '93": Annual Meeting of the Oxygen Society (meeting organizer) Charleston, South Carolina, 11/12-11/17, 1993. A total of 540 registrants attended the meeting.
8. "Oxidants & Antioxidants in Biology: New Developments in Research and Health Effects" (meeting co-organizer) Pasadena, California 2/4-2/5, 1994. A total of 200 registrants attended the meeting.
9. Gordon Conference: Oxygen Radicals in Biology (meeting vice-chairman) Ventura, California, 2/6-2/11, 1994.
10. "Molecular Mechanisms of Enzyme Action" (meeting co-chairman) Bangalore, India, 9/23-9/25, 1994 (a satellite meeting of the IUBMB Congress in New Delhi).
11. "Electron Transfer: From Energy Coupling to Aging" (meeting co-chairman) San Francisco, California, 3/21-3/22, 1995.
12. "Oxygen '95": Annual Meeting of the Oxygen Society (meeting co-organizer) Pasadena, California, 11/16-11/21, 1995.
13. Gordon Conference: Oxygen Radicals in Biology (meeting chairman) Ventura, California, 2/4-2/9, 1996.
14. International Workshop on Wine and Human Health (meeting co-organizer) Udine, Italy, 10/9-10/11, 1996
15. SFRR International VIII Biennial Meeting (Intl. organizing committee) Barcelona, Spain, 10/1-10/5, 1996.
16. Oxygen Club of California 1997 Annual Meeting (co-organizer) Santa Barbara, California, 2/26-3/1, 1997.
17. Oxygen Club of California 1998 Congress (meeting co-organizer) Santa Barbara, California, 2/5-2/8, 1998.
18. Oxygen Club of California 1999 Congress (meeting co-organizer) Santa Barbara, California, 3/3-3/6, 1999.
19. SFRR Europe 1999 Summer Meeting (co-organizer) Dresden, Germany, June 15-19, 1999.
20. Oxygen Club of California 2000 Congress (meeting co-organizer) Santa Barbara, California, 3/1-3/4, 2000.
21. Oxygen Club of California 2001 Congress (meeting co-organizer) Santa Barbara, California, 3/7-3/10, 2001.
22. Workshop on Physical Exercise, Antioxidants, Oxidative Stress, and Gene Regulation (workshop organizing committee) Rennes, France, 12/6-12/8, 2001.
23. Oxygen Club of California 2002 Congress (meeting co-organizer) Santa Barbara, California, 3/6-3/9, 2002.
24. XIth Biennial General Meeting of the International Society for Free Radical Research (meeting co-organizer), Paris, France, 7/16-7/20, 2002.
24. UNESCO/COSTAM/SFRR Workshop on Micronutrients and Health (meeting co-organizer) Kota Kinabalu, Sabah, Malaysia Borneo, 7/17-7/20, 2003.
25. Oxygen Club of California 2004 Congress (meeting organizer) Santa Barbara, California, 3/10-3/13, 2004
26. 12th Biennial General Meeting of the International Society for Free Radical Research (meeting co-organizer) Buenos Aires, Argentina, 05/19-05/23, 2004.
27. Gordon Conference: Oxidative Stress and Disease (meeting vice-chairman) Ventura, California, 3/11-3/16, 2007.
28. Gordon Conference: Oxidative Stress and Disease (Co-Chairman) Il Ciocco (Tuscany), Italy, March, 2009.

PRESENTATIONS AT MEETINGS

1. Davies, K.J.A. Free Radicals and Mitochondrial Bioenergetics (poster presentation) Gordon Conference: Oxygen Radicals in Biology and Medicine, Ventura, California, 1/12-1/16, 1980.
2. Davies, K.J.A. Mitochondrial Biogenesis and Exercise Energetics (oral presentation) American College of Sports Medicine, Miami, Florida, 5/27-5/29, 1981.
3. Davies, K.J.A. Iron Sulfur Proteins and Mitochondrial Bioenergetics (poster presentation) Fifth International Conference on Proteins of Iron Transport and Storage, La Jolla, California, 8/23-8/27, 1981.
4. Davies, K.J.A. Exercise Bioenergetics During Dietary Iron Deficiency and Depletion (poster presentation) Fifth International Conference on Proteins of Iron Transport and Storage, La Jolla, California, 8/23-8/27, 1981.
5. Davies, K.J.A. Effects of Iron Deficiency and Blood Transfusion on the Bioenergetics of Exercise (poster presentation) American Physiological Society 32nd Annual Meeting, Cincinnati, Ohio, 10/11-10/16, 1981.
6. Davies, K.J.A. Identification of Ubisemiquinone as the Endogenous EPR Free-Radical Signal of Intact Tissues (oral presentation, session chairperson) Federation of American Societies for Experimental Biology 66th Annual Meeting, New Orleans, Louisiana, 4/15-4/23, 1982.
7. Davies, K.J.A. Mitochondrial Lipid Peroxidation and Exercise (oral presentation, invited speaker) Gordon Conference: Food and Nutrition, New London, New Hampshire, 8/9-8/13, 1982.
8. Davies, K.J.A. Mitochondrial and Microsomal Reduction of Anthracyclines: Oxygen Radical Production at the Expense of ATP (poster presentation) Third International Conference on Superoxide and Superoxide Dismutase, Ellenville, New York, 10/3-10/8, 1982.
9. Davies, K.J.A. Oxy-Radical Production and Cardiotoxicity of Anthracyclines Catalyzed by Mitochondrial NADH Dehydrogenase (poster presentation) Gordon Conference: The Role of Oxygen Radicals in Biology and Medicine, Ventura, California, 2/7-2/11, 1983.
10. Davies, K.J.A. Free-Radical Generating Systems Induce Protein Degradation and Lipid Peroxidation by Distinct Mechanisms in Red Blood Cells (poster presentation) American Society of Biological Chemists 74th Annual Meeting, San Francisco, California, 6/5-6/9, 1983.
11. Davies, K.J.A. Proteins Damaged by Hydroxyl Radicals can be Recognized and Degraded by Erythrocyte and Reticulocyte Proteolytic Systems (poster presentation) Federation of American Societies for Experimental Biology 68th Annual Meeting, St. Louis Missouri, 4/1-4/6, 1984.
12. Davies, K.J.A. Protein Damage Induced by Oxygen Radicals (poster presentation) American Society of Biological Chemists 75th Annual Meeting, St. Louis, Missouri, 6/3-6/7, 1984.
13. Davies, K.J.A. Oxygen Radicals & Protein Turnover (oral presentation, invited speaker) Society for Free Radical Research 2nd. Annual Meeting (Free Radicals in Chemistry & Biology) University of York, England, 7/4-7/6, 1984.
14. Davies, K.J.A. Free Radicals, Protein Turnover, and Ageing (oral presentation, invited speaker) Cellular and Molecular Aspects of Ageing: The Red Cell as a Model, Minneapolis, Minnesota, 9/8-9/11, 1984.
15. Davies, K.J.A. Free-Radicals, Protein Modification, and Protein Turnover (oral presentation, invited speaker) Gordon Conference: Oxy- Radicals in Biology and Medicine, Santa Barbara, California, 2/10-2/15, 1985.
16. Davies, K.J.A. Free Radicals and Protein Degradation in Human Erythrocytes (oral presentation, symposium organizer and chairperson) Federation of American Societies for Experimental Biology 69th Annual Meeting: "Protein Metabolism", Anaheim, California, 4/21-4/26, 1985.
17. Davies, K.J.A. General Aspects of Protein Damage by Oxygen Radicals (poster presentation) Federation of American Societies for Experimental Biology 69th Annual Meeting, Anaheim, California, 4/21-4/26, 1985.
18. Davies, K.J.A. Free Radicals, Protein Damage, and Protein Degradation (oral presentation, invited speaker) 4th International Conference on Superoxide and Superoxide Dismutase, Rome, Italy, 9/1-9/6, 1985.
19. Davies, K.J.A. Oxygen Radicals and Protein Turnover (oral presentation, invited speaker) Council for Tobacco Research Conference on Oxygen Radicals, New York, New York, 9/30-10/1, 1985.
20. Davies, K.J.A. Mitochondrial Bioenergetics and Pathology (oral presentation, invited speaker) The "Upjohn Lecture", Huntington Memorial Hospital, Pasadena, California, 11/21, 1985.
21. Davies, K.J.A. Protein Oxidation and Protein Degradation (oral presentation, invited speaker) 1st Annual UCLA/USC Conference on Oxygen Radicals, LA, CA, 1/9, 1986.
22. McKenna, S.M. and Davies, K.J.A. HOCl Kills Bugs (oral presentation, invited speaker) The Phagocyte Workshop, Washington, D.C., 5/2, 1986.

23. Davies, K.J.A. Independence of Protein Degradation and Lipid Peroxidation During Oxidative Stress (oral presentation, invited speaker) Lipid Peroxidation Conference: 77th Annual Meeting of The American Oil Chemists Society, Honolulu, Hawaii, 5/14-5/18, 1986.
24. Zhang, Y. and Davies, K.J.A. Hydroxyl Radicals Modify Amino Acids and Prevent *E. coli* Growth (poster presentation) American Society of Biological Chemists 76th Annual Meeting, Washington, D.C., 6/8-6/12, 1986.
25. Davies, K.J.A. and Lin, S.W. *E. coli* Proteases Selectively Degrade Oxidized Proteins (poster presentation) American Society of Biological Chemists 76th Annual Meeting, Washington, D.C., 6/8-6/12, 1986.
26. McKenna, S.M. and Davies, K.J.A. Inhibition of Protein Synthesis May Explain the Bactericidal Properties of Hypochlorous Acid Produced by Phagocytic Cells (poster presentation) American Society of Biological Chemists 76th Annual Meeting, Washington, D.C., 6/8-6/12, 1986.
27. Davies, K.J.A. The Physiology of Free Radicals (oral presentation, invited speaker) Physiology of FreeRadicals Conference: International Union of Physiological Sciences (IUPS) Congress, Vancouver, Canada, 7/13- 7/18, 1986.
28. Davies, K.J.A. Physiology and Pathology of Free Radicals (oral presentation, invited speaker) The "Upjohn Lecture", Huntington Memorial Hospital, Pasadena, California, 8/21, 1986.
29. Davies, J.M.S., Horwitz, D.A., and Davies, K.J.A. Collagen Fragmentation & Degradation by Hypochlorous Acid, N-chloroamines, & Collagenase (oral presentation, invited speaker) Annual Meeting of The American Rheumatism Association, Vancouver, Canada, 11/13-11/15, 1986.
30. Davies, K.J.A. Possible Role of Oxidative Protein Turnover in Cardiovascular Diseases (oral presentation, invited speaker) The Role of Oxygen Radicals in Cardiovascular Diseases, Asolo, Italy, 12/2-12/5, 1986.
31. McKenna, S.M. and Davies, K.J.A. Bacterial Killing by Oxidative Products of Neutrophils (poster presentation) Gordon Conference on Oxy Radicals in Biology & Medicine, Santa Barbara, CA, 2/8-2/13, 1987.
32. McKenna, S.M. and Davies, K.J.A. Inhibition of DNA Replication by HOCl may Model the Bactericidal Activity of Phagocytes (poster presentation) Federation of American Societies for Experimental Biology 71st Annual Meeting, Washington, D.C., 3/29-4/4, 1987.
33. McKenna, S.M. and Davies, K.J.A. Inhibition of *E. coli* DNA Synthesis by HOCl may Model the Bactericidal Activity of Phagocytes (poster presentation) The Society for *Pediatric Research* Annual Meeting, Anaheim, CA, 4/27-4/30, 1987.
34. Davies, J.M.S., Horwitz, D.A., and Davies, K.J.A. A Possible Model for Collagen Breakdown by Hypochlorous Acid in Synovitis (oral presentation, invited speaker) Annual Meeting of The American Rheumatism Association, Washington, D.C., 6/13-6/15, 1987.
35. Davies, K.J.A. Intracellular Proteolytic Systems as Secondary Antioxidant Defenses (oral presentation, invited speaker) 4th International Conference on Oxygen Radicals, San Diego, CA, 6/27-7/3, 1987.
36. Davies, J.M.S., Horwitz, D.A., and Davies, K.J.A. Collagen Fragmentation & Degradation by Hypochlorous Acid, N-chloroamines, & Collagenase (poster presentation) UCLA/USC Colloquium on Oxygen, UCLA, CA, 7/8, 1987.
37. McKenna, S.M. and Davies, K.J.A. Inhibition of DNA Replication by HOCl may Model the Bactericidal Activity of Phagocytes (poster presentation) UCLA/USC Colloquium on Oxygen, UCLA, CA, 7/8, 1987.
38. Davies, K.J.A. Protein Oxidation and Protease Activity As Modulators of Protein Cross-Linking (oral presentation, invited speaker) International Symposium on Lipofuscin, Debrecen, Hungary, 8/26-8/30, 1987.
39. Zhang, Y., Marcillat, O., and Davies, K.J.A. Inhibition of mitochondrial electron transport by active oxygen species (poster presentation) Federation of American Societies for Experimental Biology 72nd Annual Meeting, Las Vegas, Nevada, 5/1-5/5, 1988.
40. Marcillat, O., Zhang, Y., and Davies, K.J.A. Mitochondrial inactivation by doxorubicin: oxidative and non-oxidative mechanisms. (poster presentation) Federation of American Societies for Experimental Biology 72nd Annual Meeting, Las Vegas, Nevada, 5/1-5/5, 1988.
41. Lin, S.W., Marcillat, O., Zhang, Y., and Davies, K.J.A. A mitochondrial proteolytic activity that preferentially degrades oxidatively damaged proteins. (poster presentation) Federation of American Societies for Experimental Biology 72nd Annual Meeting, Las Vegas, Nevada, 5/1-5/5, 1988.
42. Pacifici, R.E. and Davies, K.J.A. A 700-kDa red cell proteinase which selectively degrades oxidatively denatured hemoglobin (poster presentation) Federation of American Societies for Experimental Biology 72nd Annual Meeting, Las Vegas, Nevada, 5/1-5/5, 1988.

43. Salo, D.C., Lin, S.W., Pacifici, R.E., and Davies, K.J.A. H_2O_2 modified superoxide dismutase is preferentially degraded by an ATP-independent proteolytic system from red cells. (poster presentation) Federation of American Societies for Experimental Biology 72nd Annual Meeting, Las Vegas, Nevada, 5/1-5/5, 1988.
44. Davies, K.J.A., Lin, S.W., and Pacifici, R.E. Degradation of oxidatively denatured proteins by *E. coli* proteases. (poster presentation) Federation of American Societies for Experimental Biology 72nd Annual Meeting, Las Vegas, Nevada, 5/1-5/5, 1988.
45. Davies, K.J.A. Molecular mechanisms of oxidative damage and repair (oral presentation, invited speaker) Mechanismi Moleculari dell'Invecchiamento: Ruolo dei Lipidi Alimentari, Lucca, Italy, 5/27-5/28, 1988.
46. Davies, K.J.A. Primary and secondary antioxidant defenses (oral presentation, invited speaker) Fourth International Congress of Cell Biology, Montreal, Canada, 8/14-8/19, 1988.
47. Davies, K.J.A. Protein oxidation and diminished proteolytic activity in cataract formation (invited speaker) Free Radicals in Medicine: Current Status of Antioxidant Therapy, Paris, France, 12/9-12/13, 1988.
48. Pacifici, R.E. and Davies, K.J.A. Macroxyproteinase (M.O.P.): A 670-kDa proteinase that selectively degrades oxidatively denatured proteins (poster presentation) Gordon Conference on Oxy Radicals in Biology & Medicine, Ventura, California, 2/5-2/10, 1989.
49. Davies, K.J.A. Aging and the Repair of Oxidative Damage (oral presentation, invited speaker) Molecular Biology of Aging: UCLA Symposia on Molecular and Cellular Biology, Santa Fe, New Mexico, ¾-3/10, 1989.
50. Davies, K.J.A. Redox Cycling of Quinones: Mechanisms, Damage, and Repair (oral presentation, invited speaker) Bio-reductive Activation of Quinoid Compounds: Chemical, Biochemical, and Toxicological Aspects (organized by the Nobel Institute for Chemistry of the Royal Swedish Academy of Sciences, the Nobel Assembly of the Karolinska Institute, and the European Society for Free Radical Research) Stockholm, Sweden, 6/18-6/21, 1989.
51. Davies, K.J.A. Molecular Mechanisms of Repair (oral presentation, invited speaker) Regulation of Free Radical Reactions (Biomedical Aspects): Bulgarian Academy of Sciences/European Society for Free Radical Research, Varna, Bulgaria, 9/13-9/17, 1989.
52. Davies, K.J.A. An Overview of Repair Systems (oral presentation, session chairman) Fifth International Conference on Superoxide and Superoxide Dismutase, Jerusalem, Israel, 9/17-9/22, 1989.
53. Davies, K.J.A. The Repair of Oxidative Damage (oral presentation, invited speaker) Free Radicals and Cancer, Oxford University, Oxford, England, 9/23-9/25, 1989.
54. Davies, K.J.A. Protein, Lipid, and DNA Repair Following Oxidative Stress (oral presentation, invited speaker) International Symposium on Biological Oxidation Systems, Bangalore, India, 10/23-10/26, 1989.
55. Davies, K.J.A. Repair Sytems in Oxidative Stress (oral presentation, invited speaker) 6th Congress of the Pan American Academy of Biochemical Societies, Sao Paolo, Brazil, 2/18-2/22, 1990.
56. Davies, K.J.A. Repair Systems in Oxidative Stress (oral presentation, invited speaker) Oxygen Toxicity: Biochemistry, Physiology, and Pathology (an ICRO-UNESCO Training Course) Buenos Aires, Argentina, 2/26-3/8, 1990.
57. Davies, K.J.A. Protein, Lipid, and DNA Repair in Oxidative Stress (oral presentation, invited speaker) International Symposium on Oxygen Toxicity (organized by the International Union of Biochemistry, 3rd World Academy of Science, Argentine Society for Biochemical Research, Argentine Society of Biophysics, Argentine National Research Council, Latin American Academy of Science) Buenos Aires, Argentina, 3/8-3/10, 1990.
58. Davies, K.J.A. Protein Degradation and Repair (oral presentation, invited speaker) 34th Harden Conference: Free Radicals, Cell Growth, Disease, and Repair Mechanisms, Wye College, Ashford (Kent), England, 9/2-9/7, 1990.
59. Giulivi, C. and Davies, K.J.A. An Antioxidant Role for Hemoglobin. (oral presentation, invited speaker) Oxidative Damage and Repair: 5th Biennial Meeting of the International Society for Free Radical Research, Pasadena, California, 11/14-11/20, 1990
60. Pacifici, R.E. and Davies. Selective Proteolysis of Oxidatively Modified Proteins by Macroxyproteinase (MOP). (oral presentation, invited speaker) Oxidative Damage and Repair: 5th Biennial Meeting of the International Society for Free Radical Research, Pasadena, California, 11/14-11/20, 1990
61. Lin, S.W. and Davies, K.J.A. On the Regulation of Gene Expression During *Escherichia coli* Adaptation to Hydrogen Peroxide (posterl presentation) Oxidative Damage and Repair: 5th Biennial Meeting of the International Society for Free Radical Research, Pasadena, California, 11/14-11/20, 1990

62. Salo, D.C., Donovan, C.M., and Davies, K.J.A. Induction of HSP70 and other Heat Shock or Oxidative Stress Proteins During Exercise (poster presentation) Oxidative Damage and Repair: 5th Biennial Meeting of the International Society for Free Radical Research, Pasadena, California, 11/14-11/20, 1990
63. Wiese, A.G., Pacifici, R.E. and Davies, K.J.A. Adaptive Responses to Hydrogen Peroxide in Mammalian Cells (poster presentation) Oxidative Damage and Repair: 5th Biennial Meeting of the International Society for Free Radical Research, Pasadena, California, 11/14-11/20, 1990
64. Davies, K.J.A. Repair Strategies and Induction of Repair Systems in Oxidative Stress (oral presentation, invited speaker) Oxidative Damage to DNA and DNA Repair Enzymes, Institut Gustave Roussy, Villejuif (Paris), France, 12/13-12/14, 1990.
65. Davies, K.J.A. Repair Systems for Oxidative Damage (oral presentation, plenary speaker and session chair) International Society for Pathophysiology, Moscow, Russia, U.S.S.R., 5/28-6/1, 1991.
66. Davies, K.J.A. Protein Modification and Protein Degradation During Oxidative Stress (oral presentation, invited speaker) Stability of Proteins (Table Ronde No. 69 of the Institut Scientifique Roussel), Palais de Congrès-Versailles, France, 6/13-6/14, 1991.
67. Davies, K.J.A. Repair Mechanisms and the Aging Process (oral presentation, invited speaker) Free Radicals and Aging (SFRR Europe meeting) University of Paris, Paris, France, 6/26-6/28, 1991.
68. Davies, K.J.A. Repair Systems and Oxidative Stress (oral presentation, invited speaker) the 4th Chemical Congress of North America, and 202nd National Meeting of the American Chemical Society, New York, N.Y., 7/25-7/30, 1991.
69. Davies, K.J.A. Free Radical Cross-Linking of Proteins and the Role of Proteolytic Enzymes (oral presentation, invited speaker) 2nd International Congress on Amino Acids and Analogues, Vienna, Austria, 8/5-8/9, 1991.
70. Davies, K.J.A. Repair Mechanisms in Oxidative Stress: The Free Radical Theory of Aging Revisited (oral presentation, keynote speaker) 2nd Rooibos International Symposium on Nutrition and Human Health, Tokyo, Japan, 8/29-9/02, 1991.
71. Davies, K.J.A. Defense and Repair Systems in Oxidative Stress (oral presentation, keynote speaker) Molecular and Cellular Responses to Oxygen (the 1991 Albany Conference) Albany, New York, 9/12-9/15, 1991.
72. Davies, K.J.A. Repair Systems in Oxidative Stress (oral presentation, invited speaker) 3rd International Symposium on Orthomolecular Medicine, São Paulo, Brazil, 9/20-9/21, 1991.
73. Davies, K.J.A. Defense and Repair Systems in Oxidative Stress (oral presentation, invited speaker) Active Oxygen, Lipid Peroxides, and Antioxidants (5th International Congress on Oxygen Radicals) Kyoto, Japan, 11/17-11/21, 1991.
74. Davies, K.J.A. Free Radical Biology (oral presentation, invited speaker) Annual Chairman's Meeting: American Medical and Graduate Departments of Biochemistry, St. Thomas, Virgin Islands, 1/15-1/18, 1992.
75. Davies, K.J.A. Oxidant Regulation of Gene Expression (oral presentation, invited speaker) Gordon Conference on Oxygen Radicals in Biology, Ventura, California, 2/3-2/7, 1992.
76. Davies, K.J.A. Regulation of Gene Expression in Oxidative Stress (oral presentation, invited speaker) Biological Oxidants and Antioxidants (1st joint meeting of the Bay Area Oxygen Club and the USC Institute for Toxicology) University of California, Berkeley, California, 4/3-4/4, 1992.
77. Davies, J.M.S., Horwitz, D.A., and Davies, K.J.A. Collagen Breakdown by Hypochlorous Acid and *N*-Chloroamines: Possible Role in Synovitis (oral presentation, invited speaker) Free Radicals: From Basic Science to Medicine (6th Biennial Meeting, International Society for Free Radical Research) Torino, Italy, 6/16-6/20, 1992
78. Davies, K.J.A. Regulation of Gene Expression in Oxidative Stress (oral presentation, invited speaker, session chairman) Free Radicals: From Basic Science to Medicine (6th Biennial Meeting of the International Society for Free Radical Research) Torino, Italy, 6/16-6/20, 1992
79. Davies, K.J.A. Foods and Oxidation (oral presentation, session chairman) Free Radicals in Nutrition, Cagliari, Italy, 6/22-6/25, 1992.
80. Davies, K.J.A. Protein Modification by Oxidants (oral presentation, invited speaker) 645th Meeting of The Biochemical Society, Royal Free Hospital School of Medicine, London, England, 12/15-12/18, 1992
81. Davies, K.J.A. Gene Expression and DNA Repair in Oxidative Stress (oral presentation, invited speaker) Critical Aspects of Free Radicals in Chemistry, Biochemistry, and Medicine, 2/14-2/17, 1993.
82. Davies, K.J.A. Molecular Biology of Oxidants and Antioxidants (oral presentation, session chair) Biological Oxidants and Antioxidants: New Developments in Research, and Health Effects (2nd Joint Meeting of the USC Institute for Toxicology and the Bay Area Oxygen Club), Pasadena, California, 3/12-3/13, 1993.

83. Davies, K.J.A. Protein Oxidation and Proteolysis in Aging (oral presentation, invited speaker, session chairman) Keystone Symposium: Molecular Biology of Aging, Lake Tahoe, California, 3/19-3/25, 1993.
84. Davies, K.J.A. The Role of Protein Oxidation and Proteasome in Antigen Processing (oral presentation, invited speaker) Oxidative Stress, Cell Activation & Viral Infection (SFRR, Europe), University of Paris, Paris, France, 3/25-3/26, 1993.
85. Davies, K.J.A. Regulation of Gene Expression During Exercise (oral presentation, invited speaker) International Meeting on Free Radicals and Antioxidants in Exercise (SFRR Europe) University of Valencia, Valencia, Spain, 5/19-5/20, 1993.
86. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. (1993) Adaptive response to oxidative stress in yeast. (oral presentation, invited speaker) Pathophysiology of the Prooxidant/Antioxidant Balance: Molecular Basis of Medical Application (SFRR Europe), Siena, Italy, 6/24-6/26, 1993.
87. Davies, K.J.A. The Regulation of Gene Expression as a Universal Mechanism of Adaptation to Oxidative Stress (oral presentation, invited speaker) Pathophysiology of the Prooxidant/Antioxidant Balance: Molecular Basis of Medical Application (SFRR Europe), Siena, Italy, 6/24-6/26, 1993.
88. Davies, K.J.A. Invited Discussant at the FALS-SOD Workshop of the ALS Association, 6/30-7/1, 1993, Cambridge, Massachusetts.
89. Davies, K.J.A. Adaptation to Oxidative Stress (oral presentation, invited speaker) Oxygen Radicals & Lung Injury Conference, Morgantown, West Virginia, 8/30-9/2, 1993.
90. Davies, K.J.A. Regulation of Gene Expression During Oxidative Stress (oral presentation, invited keynote speaker) The 4th International Symposium on Orthomolecular Medicine, São Paulo, Brazil, 9/16-9/17, 1993
91. Davies, K.J.A. Free Radical Pathways, Antioxidant Protection, and Repair (oral presentation, invited keynote speaker) International Symposium on Free Radicals in Diagnostic Medicine, Buffalo, New York, 10/7-10/9, 1993.
92. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. (poster presentation) Adaption to Oxidative Stress in Yeast. VIth International Conference on Superoxide and Superoxide Dismutase, Kyoto, Japan, 10/11-10/15, 1993.
93. Davies, K.J.A. Degradation of Oxidatively Modified Proteins by Proteasome (oral presentation, invited speaker, session chair) VIth International Conference on Superoxide and Superoxide Dismutase, Kyoto, Japan, 10/11-10/15, 1993.
94. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. (poster presentation) Adaptation of Yeast to Hydrogen Peroxide Stress. Oxygen '93: 1993 Annual Meeting of the Oxygen Society, Charleston, South Carolina, 11/12-11/17, 1993.
95. Crawford, D.R., Edbauer-Nechamen, C., Schools, G.P., Salmon, S.L., and Davies, K.J.A. (oral presentation, invited speaker) Oxidant-modulated gene expression in hamster HA-1 cells. Oxygen '93: 1993 Annual Meeting of the Oxygen Society, Charleston, South Carolina, 11/12-11/17, 1993.
96. Davies, K.J.A. Regulation of Gene Expression During Oxidative Stress (invited plenary lecturer and session chair) Oxygen Radicals and Antioxidants in Biotechnology and Medicine, Calcutta, India, 12/5-12/8, 1993.
97. Davies, K.J.A. Oxidative Stress (oral presentation, invited speaker) Annual Chairs meeting of the Association of Medical and Graduate Departments of Biochemistry, San Jose, Costa Rica, 1/12-1/15, 1994.
98. Davies, K.J.A. Regulation of Gene Expression by Oxygen and Reactive Oxygen Species (oral presentation, invited speaker and session chair) Oxidants & Antioxidants in Biology: New Developments in Research and Health Effects, Pasadena, California, 2/4-2/5, 1994.
99. Davies, K.J.A. Oxidative Stress and the Free Radical Theory of Aging Revisited (oral presentation, invited speaker and session chair) First International Conference on Oxidative Stress and Aging, Kona, Hawaii, 3/22-3/26, 1994.
100. Davies, J.M.S., Yelich, L.L., Lowry, C.V., and Davies, K.J.A. Molecular Basis of Adaptation to Oxidative Stress in Yeast. (poster presentation) First International Conference on Oxidative Stress and Aging, Kona, Hawaii, 3/22-3/26, 1994.
101. Davies, K.J.A. The Regulation of Gene Expression as a Universal Mechanism of Adaptation to Oxidative Stress (oral presentation, invited speaker) Molecular and Cellular Mechanisms of Toxicity: 13th Penn State Summer Symposium in Molecular Biology, Penn State University, University Park, PA, 8/3-8/5, 1994.
102. Davies, K.J.A. Regulation of Gene Expression in Oxidative Stress (oral presentation, invited speaker) UNESCO/COTSAM/SFRR Asia Workshop on Nutrition, Lipida, Health and Disease, Penang, Malaysia, 9/1-9/3, 1994.

103. Davies, K.J.A. Recognition of Hydrophobic Patches in Oxidatively Modified Proteins by Proteasome (oral presentation, invited speaker) 16th International Congress of Biochemistry & Molecular Biology (IUBMB), New Delhi, India, 9/19-9/22, 1994.
104. Davies, K.J.A. Recognition of Hydrophobic Patches in Oxidatively Modified Proteins by Proteasome (oral presentation, invited plenary speaker) Molecular Mechanisms of Enzyme Action, Department of Biochemistry, Indian Institute of Science, Bangalore, India, 9/23-9/25, 1994.
105. Grune, T., Reinheckel, T., and Davies, K.J.A. Proteasome Degrades Oxidized Proteins in Rat Liver Epithelial Cells (poster presentation) the 10th International Conference on Intracellular Protein Catabolism (ICOP), Tokyo, Japan, 10/30-11/4, 1994.
106. Davies, K.J.A., Crawford, D., Davies, J.M.S., Lowry, C. Regulation of Gene Expression During Cell Adaptation to Oxidative Stress (oral presentation, invited speaker and session chair) 7th Biennial Meeting of the International Society for Free Radical Research, Sydney, Australia, 11/6-11/10, 1994
107. Grune, T., Reinheckel, T., and Davies, K.J.A. Proteasome Degrades Oxidized Proteins in Rat Liver Epithelial Cells (oral presentation, selected speaker) 7th Biennial Meeting of the International Society for Free Radical Research, Sydney, Australia, 11/6-11/10, 1994
108. Reinheckel, T., Grune, T., Talbot, M.A., and Davies, K.J.A. Proteasome Degrades Oxidized Proteins in Human Hematopoietic Cells (poster presentation) 7th Biennial Meeting of the International Society for Free Radical Research, Sydney, Australia, 11/6-11/10, 1994
109. Davies, K.J.A. Biology of Oxidative Stress: Antioxidant Defense and Repair Systems (oral presentation, invited plenary speaker) 47th Annual Scientific Meeting of the Gerontological Society of America, Atlanta, Georgia, 11/18-11/22, 1994.
110. Davies, J.M.S. and Davies, K.J.A. Adaptation to Oxidative Stress in *S. Cerevisiae*. (poster presentation) 653rd Meeting of the Biochemical Society, Sussex University, Brighton, England, 12/13-12/16, 1994.
111. Davies, K.J.A. Oxidative Stress and the Oxygen Paradox (oral presentation, invited plenary speaker) 653rd Meeting of the Biochemical Society, Sussex University, Brighton, England, 12/13-12/16, 1994.
112. Davies, K.J.A. Proteins, Oxidation, and Proteolysis (oral presentation, invited plenary speaker) Electron Transfer: from Energy Coupling to Aging, a symposium in honor of Lester Packer, San Francisco, California, 3/21-3/22, 1995
113. Davies, K.J.A. The Regulation of Gene Expression as a Universal Mechanism of Adaptation During Oxidative Stress (oral presentation, invited speaker) Oxidants and Antioxidants in Biology, 1995 Annual Meeting of the Oxygen Club of California, San Francisco, California, 3/22-3/24, 1995
114. Davies, K.J.A. Gene Expression During Adaptation to Oxidative Stress is a Coordinated, Pleiotropic Process. (oral presentation, invited speaker) International Symposium on Natural Antioxidants: Molecular Mechanisms and Health Effects, Beijing, China, 6/20-6/24, 1995
115. Davies, K.J.A. Altered Gene Expression During Adaptation to Oxidative Stress is a Universal, Coordinated, Pleiotropic Process (oral presentation, invited plenary speaker and session chair) International Society for Free Radical Research 1995 Summer Meeting, Budapest, Hungary, 7/27-7/29, 1995
116. Davies, J.M.S. and Davies, K.J.A. Adaptive Responses to Oxidative Stress in Yeast (oral presentation, invited speaker) International Society for Free Radical Research 1995 Summer Meeting, Budapest, Hungary, 7/27-7/29, 1995
117. Davies, K.J.A. Gene Expression During Adaptation to Oxidative Stress is a Highly Coordinated and Pleiotropic Process (oral presentation, plenary speaker) International Congress on Free Radicals in Health and Disease. Istanbul, Turkey, 9/6-9/10, 1995
118. Crawford, D.R., Schools, G.P., Wang, Y., Kochheiser, J., and Davies, K.J.A. Modulation of Mammalian Gene Expression by Oxidative Stress (poster presentation) Antioxidant Nutrients in the Cellular Biology of Health and Disease, FASEB Summer Conference, Saxtons River, Vermont, 9/12-9/17, 1995
119. Melendez, J.A. and Davies, K.J.A. Overexpression of Manganese Superoxide Dismutase (MnSOD) Reduces the Expression of the Endogenous MnSOD mRNA and Interleukin 1α mRNA in Response to Tumor Necrosis Factor (oral presentation, selected speaker) Antioxidant Nutrients in the Cellular Biology of Health and Disease, FASEB Summer Conference, Saxtons River, Vermont, 9/12-9/17, 1995
120. Grune, T., Reinheckel, T., and Davies, K.J.A. Degradation of Oxidized Proteins in Mammalian Cells (poster presentation, plenary session chair) "Oxygen '95," Annual Meeting of the Oxygen Society, Pasadena, California, 11/16-11/20, 1995

121. Davies, K.J.A.Coordinate Regulation of Gene Expression in the Adaptive Response to Oxidative Stress (plenary speaker, session chair) IV World Congress of the International Society for Adaptive Medicine, Chandigarh, India, 12/9-12/12, 1995
122. Davies, K.J.A.Coordinate Regulation of Gene Expression in the Adaptive Response to Oxidative Stress (plenary speaker, session chair) Myocardial Preservation and Cellular Adaptation Symposium, Madras, India, 12/14-12/16, 1995
123. Melendez, J.A., Melathe, R.P., and Davies, K.J.A. Manganese Superoxide Dismutase (MnSOD) Overexpression Modulates the Basal and TNF-induced Interleukin-1α Levels (poster presentation) 1996 Keystone Symposium, 'Oxidative Stress: From Molecules to Man,' Santa Fe, New Mexico, 1/8-1/14, 1996
124. Davies, K.J.A. Expression of Growth-Arrest Genes During Adaptation to Oxidative Stress (invited speaker, session chair) 1996 Oxygen Club of California Meeting, Santa Barbara, California, 2/8-2/10, 1996
125. Davies, K.J.A. Relationship of Oxidative Stress to Mitogenesis, Growth-Arrest, Apoptosis, and Necrosis. (Oral presentation, invited plenary speaker) 'Oxidative Stress and Redox Regulation,' Paris, France, 5/21-5/14, 1996.
126. Davies, K.J.A. Mitogenesis, growth-arrest, apoptosis, & necrosis in oxidative stress (Oral presentation, plenary speaker) '8th Biennial Meeting of the International Society for Free Radical Research,' Barcelona, Spain, 10/1-10/5, 1996.
127. Davies, K.J.A. Selective degradation/down regulation of mitochondrial rRNA's, mRNA's, and DNA during apoptosis. (Oral presentation, invited plenary speaker) 'Oxygen Club of California 1997 Annual Meeting', Santa Barbara, California, 2/26-3/1, 1997.
128. Davies, K.J.A. Adaptive Responses to Oxidative Stress: Gene Regulation (Oral presentation, invited speaker) 45th Annual Meeting of the Radiation Research Society, Providence, Rhode Island, 5/3-5/7, 1997.
129. Davies, K.J.A. Regulation of Gene Expression in Response to Oxidative Stress (Oral presentation, Invited speaker and Session chair) NATO/FEBS Meeting - Free Radicals, Oxidative Stress, and Antioxidants: Pathological & Physiological Significance, Antalya, Turkey, 5/24 - 6/4, 1997.
130. Davies, K.J.A. Free Radicals, Oxidative Stress and Aging (Oral presentation, invited speaker) Buck Center Summer Institute Training Course in the Biology of Aging, Novato, CA, 6/8-6/12, 1997.
131. Davies, K.J.A. Protein Oxidation & Proteolysis in Response to Oxidative Stress (Oral presentation, Invited speaker) NATO/FEBS Meeting - Free Radicals, Oxidative Stress, and Antioxidants: Pathological & Physiological Significance,, Antalya, Turkey, 5/24 - 6/4, 1997.
132. Davies, K.J.A. The Oxygen Paradox: Molecular Repair Mechanisms During Oxidative Stress (Oral presentation, Invited speaker/Awardee) Torino Academy of Medicine, Torino, Italy, 6/25, 1997.
133. Davies, K.J.A.(Oral presentation, Invited speaker) Degradation of Mitochondrial rRNA and mRNA is an Early Event in Apoptosis. 1997 SFRR Europe Summer Meeting, Abano Terme, Italy, 6/26 - 6/28, 1997.
134. Davies, K.J.A. Redox Modulation of Cell Proliferation & Cell Death (Oral presentation, Invited speaker). 6th European ISSX Meeting, Gothenburg, Sweden 6/30 - 7/3, 1997.
135. Davies, K.J.A. Degradation of Oxidatively Modified Proteins by the Proteasome. (Oral presentation, Keynote Speaker) 5th International Congress on Amino Acids, Chalkidiki, Greece, 9/25-9/29, 1997.
136. Davies, K.J.A. Oxidative Stress: The Paradox of Aerobic Life. Kelvin J. A. Davies (Oral presentation, Invited speaker) Unilever International Symposium on 'Antioxidants & Health,' Colworth House, Bedfordshire, UK, 12/17-12/19, 1997.
137. Davies, K.J.A. Redox Modulation of Cell Proliferation & Cell Death (Oral presentation, invited speaker, session chair for 'Redox Regulation of Cell Signaling,' Oxygen Club of California 1998 Annual Meeting', Santa Barbara, California, 2/5-2/8, 1998.
138. Davies, K.J.A. Adaptive Responses to Oxidative Stress: Gene Regulation (Oral presentation, invited speaker) Gordon Conference on Oxygen Radicals in Biology, Ventura, California, 2/9-2/13, 1998.
139. Davies, K.J.A. Protein Degradation and Recycling in Neurodegenerative Diseases (Oral presentation, invited speaker) . ALS Society Conference on 'Superoxide Dismutase and Motor Neuron Disease,' Banbury Center, Cold Spring Harbor, New York, 2/22-2/25, 1998.
140. Davies, K.J.A. Degradation of Mitochondrial rRNA and mRNA Transcription, Translation, and Turnover During Oxidant Induced Apoptosis (Oral presentation, Invited speaker, Session Chair for 'Molecular Mechanisms II.' 1st Middle East Regional Meeting on Medical Sciences: 'The Role of Free Radicals in Health & Disease.' Jerusalem, Israel 3/22-3/26, 1998 and Amman, Jordan, 3/26-3/28, 1998.

141. Davies, K.J.A. Adaptive Responses to Oxidative Stress: Gene Regulation (Oral presentation, invited speaker) SFRR Europe Conference on 'Regulation of Biological Processes by Free Radicals: Role of Antioxidants, Free Radical Scavengers, and Chelators.' 5/10-5/13, 1998, Moscow-Yaroslav, Russia.
142. Davies, K.J.A. Antioxidant Defense & Repair Systems (Oral presentation, invited speaker) International Coenzyme Q10 Association - 3rd Annual Meeting, 5/21-5/24, 1998, Boston, Massachusetts.
143. Davies, K.J.A. Molecular & Cellular Criteria for Rates of Cellular Aging (Oral presentation, invited speaker) 2nd Workshop on Organisms with Negligible Senescence, Univ. of Southern California, Los Angeles, 6/1-6/2, 1998.
144. Davies, K.J.A. Aging, from Molecular Mechanisms to Clinical Therapeutics (Oral presentation, invited plenary speaker) IX Biennial Meeting of the International Society for Free Radical Research, São Paulo, Brazil, 9/7-9/11, 1998.
145. Davies, K.J.A. Degradation of Mitochondrial rRNA and mRNA Transcription, Translation, and Turnover During Oxidant Induced Apoptosis (Oral presentation, Invited speaker), Conference on 'Oxidant & Antioxidant Signaling in Cellular Responses,' Iguazu, Argentina, 9/12-9/14, 1998.
146. Davies, K.J.A. Antioxidant Defense & Repair Systems (Oral presentation, invited speaker) 5th International Union of Biochemistry & Molecular Biology Conference, Jerusalem, Israel, 10/18-10/22, 1998.
147. Davies, K.J.A. Oxidant Induced Apoptosis (Oral presentation, invited speaker, session chair for 'Redox Regulation of Signal Transduction & Gene Expression') 5th Annual Oxygen Society Meeting, Washington, D.C., 11/17-11/23, 1998.
148. Shringarpure, R. and Davies, K.J.A. Alzheimer's amyloid-β (Aβ) peptide inhibits the 20S proteasome (poster presentation). Oxygen Club of California 1999 World Congress, Santa Barbara, CA., March 3-6, 1999.
149. Sitte, N., von Zglinicki, T., Huber, M., Davies, K.J.A., and Grune, T. Lipofuscin inhibits the proteolytic activity of the 20S proteasome during the aging of fibroblasts. (poster presentation). Oxygen Club of California 1999 World Congress, Santa Barbara, CA., March 3-6, 1999.
150. Demasi, M. and Davies, K.J.A. Accumulation, aggregation, and precipitation of oxidatively modified proteins during proteasome inhibition. (poster presentation). Oxygen Club of California 1999 World Congress, Santa Barbara, CA., March 3-6, 1999.
151. Ermak, G. and Davies, K.J.A. Expression of the *Adapt78* gene in neurons may be associated with Alzheimer's disease. (poster) Oxygen Club of California 1999 World Congress, Santa Barbara, CA., March 3-6, 1999.
152. Davies, K.J.A. Stress response and the free radical theory of aging (Oral presentation, invited speaker and session chair). Aging and the Clinical Chemistry Laboratory, Alghero (Sardinia) Italy, June 11-13, 1999.
153. Davies, K.J.A. Oxidative stress, gene expression, and apoptosis in neurodegenerative diseases (Oral presentation, invited speaker and session chair). SFRR Europe 1999 Meeting, Dresden, Germany, July 1-5, 1999.
154. Reinheckel, T., Davies, K.J.A., and Grune, T. Proteasome regulation during oxidative stress. (Oral presentation, invited speaker) SFRR Europe 1999 Meeting, Dresden, Germany, July 1-5, 1999.
155. Shringarpure, R., Grune, T., and Davies, K.J.A. Inhibition of the 20S proteasome by the amyloid-β peptide. (Poster presentation) SFRR Europe 1999 Meeting, Dresden, Germany, July 1-5, 1999.
156. Davies, K.J.A. The free radical theory of aging revisited: from molecular mechanisms to therapeutic interventions (Oral presentation, invited speaker and session chair). IV European Congress of Gerontology - Aging in Europe (Oral presentation, invited speaker and session chair). Berlin, Germany, July 7-11, 1999.
157. Davies, K.J.A. Protein oxidation and proteolysis in response to oxidative stress (Oral presentation, invited speaker). FEBS-NATO Conference on AFree Radicals, Nitric Oxide, and Antioxidants in Health and Disease. Antalya, Turkey, September 18-24, 1999.
158. Davies, K.J.A. The broad spectrum of responses to oxidants in proliferating cells: A new paradigm for oxidative stress (Oral presentation, invited speaker and session chair). FEBS-NATO Conference on Free Radicals, Nitric Oxide, and Antioxidants in Health and Disease. Antalya, Turkey, September 18-24, 1999.
159. Davies, K.J.A. Protein oxidation, protein degradation, and the free radical theory of aging (Oral presentation, invited speaker). The New Biology of Aging Conference, Kansas City, Missouri, September 26-29, 1999.
160. Davies, K.J.A. The free radical theory of aging revisited (Oral presentation, invited speaker). 6th IUBMB Conference - Molecular & Cellular Networks, Seoul, Korea, October 10-13, 1999.
161. Davies, K.J.A. Age-related changes in the degradation of oxidized proteins by proteasome. (Invited Plenary Lecture) 6th Annual Meeting of The Oxygen Society, New Orleans, Louisiana, November 18-22, 1999.

162. Melendez, J.A. Kim, K.-H., Rodriguez, A.M., and Davies, K.J.A. Nitric oxide enhances the MnSOD-dependent suppression of proliferation in fibrosarcoma cells (poster presentation). 6th Annual Meeting of The Oxygen Society, New Orleans, Louisiana, November 18-22, 1999.
163. Melendez, J.A. Rodriguez, A.M., Carrico, P.M., Bennett, J.A. and Davies, K.J.A. Mitochondrial catalase potentiates the antitumor effects of manganese superoxide dismutase (poster presentation). 6th Annual Meeting of The Oxygen Society, New Orleans, Louisiana, November 18-22, 1999..
164. Davies, K.J.A. Protein oxidation, protein degradation, and the free radical theory of aging (Oral presentation, invited speaker). 1999 Annual Meeting of the Gerontological Society of America, San Francisco, California, November 19-23, 1999.
165. Davies, K.J.A. Degradation of oxidized proteins by the proteasome (Oral presentation, invited speaker and session chair). SFRR Europe Meeting on 'Bio-Flavonoids & Polyphenols in Health & Disease,' December 2-5, 1999.
166. Bota, D.A. and Davies, K.J.A. Mitochondrial proteolysis of oxidatively-denatured aconitase (poster presentation) Oxygen Club of California 2000 World Congress, Santa Barbara, CA, USA, 3/1-3/4, 2000.
167. Ermak, G. and Davies, K.J.A. *Adapt78* overexpression protects PC 12 cells against oxidative damage (poster presentation) Oxygen Club of California 2000 World Congress, Santa Barbara, CA, USA, 3/1-3/4, 2000.
168. Shringarpure, R., Grune, T., and Davies, K.J.A. Ubiquitin may be expendable during recognition and degradation of oxidized proteins by the proteasome (poster presentation) Oxygen Club of California 2000 World Congress, Santa Barbara, CA, USA, 3/1-3/4, 2000.
169. Davies, K.J.A. Proteasome inhibition during aging. (Invited Plenary Lecture) SFRR Europe Meeting, Liverpool, England, July 20-22, 2000.
170. Davies, K.J.A. Oxidative stress, adaptive gene responses, and cell survival (Invited Plenary Lecture). 4th UNESCO-MCBN/COSTAM Workshop: Micronutrients and Health, Molecular Biological Mechanisms, Langkawi, Malaysia, July 27-30, 2000.
171. Davies, K.J.A. The proteasome: A molecular machine for degrading oxidized proteins (Invited Plenary Lecture). 10th Biennial Meeting of the International Society for Free Radical Research, Kyoto, Japan, October 16-20, 2000,
172. Davies, K.J.A. Proteasome inhibition and protein oxidation in aging (Invited Plenary Lecture). Aging and Natural Antioxidants Meeting, Okinawa, Japan, October 21-23, 2000.
173. Ermak, G., Rozovsky, I.K., and Davies, K.J.A. Adapt78 can protect neuronal cells against oxidative stress. (poster presentation) 30th Annual Meeting of the Society for Neuroscience, New Orleans, Louisiana, November 4-9, 2000.
174. Ermak, G. and Davies, K.J.A. Adapt78 can protect cells against stress damage (poster presentation). 7th Annual Meeting of The Oxygen Society, San Diego, CA, November 16-20, 2000.
175. Bota, D. and Davies, K.J.A. The lon protease appears to be primarily responsible for degradation of oxidatively-denatured aconitase in mitochondria (poster presentation). 7th Annual Meeting of The Oxygen Society, San Diego, CA November 16-20, 2000.
176. Shringarpure, R., Grune, T., and Davies, K.J.A. Ubiquitin may not be required for the degradation of oxidized proteins in vivo (Oral presentation, selected speaker). 7th Annual Meeting of The Oxygen Society, San Diego, CA November 16-20, 2000.
177. Davies, K.J.A. Apoptosis involves mitochondrial oxidative stress and the selective degradation of mitochondrial rRNA, mRNA, and mtDNA (poster presentation). 7th Annual Meeting of The Oxygen Society, San Diego, CA November 16-20, 2000.
178. Davies, K.J.A. Gene expression and adaptation to oxidative stress (Plenary lecture). Universidad International Menendez Pelayo Symposium, Antioxidantes y Salud: Bioquimica y Fisiopatologia del Estres Oxidativo, Valencia, Spain, November 27 - 30, 2000.
179. Davies, K.J.A. The proteasome in oxidative stress and aging (Oral presentation, invited speaker, session chair). II International Meeting on Oxidative Stress: Biochemistry and Pathophysiology (SFRR Europe) Valencia, Spain, November 30 - December 2, 2000.
180. Davies, K.J.A. Down regulation and degradation of mitochondrial mRNA, rRNA, and DNA during oxidant-induced apoptosis (Plenary Lecture, session chair). Free Radical Reactions in General Pathology (Festschrift for Mario Dianzani), Turin, Italy, December 4-5, 2000.
181. Davies, K.J.A. Proteolytic pathways and cellular protection during oxidative stress, aging and disease (Plenary Lecture) Oxygen Club of California 2001 Congress, Santa Barbara, CA, USA, 3/7-3/10, 2001.

182. Bota, D.A. and Davies, K.J.A. Degradation of oxidatively-denatured aconitase by the *lon* protease in mitochondria (poster presentation) Oxygen Club of California 2001 Congress, Santa Barbara, CA, USA, 3/7-3/10, 2001.
183. Ermak, G., Morgan, T., and Davies, K.J.A. Overexpression of the calcineurin inhibitory gene DSCR1 (Adapt78) is associated with Alzheimer's disease (poster presentation) Oxygen Club of California 2001 Congress, Santa Barbara, CA, USA, 3/7-3/10, 2001.
184. Shringarpure, R., Grune, T., and Davies, K.J.A. Ubiquitin-independent degradation of oxidized proteins by proteasome (poster presentation) Oxygen Club of California 2001 Congress, Santa Barbara, CA, USA, 3/7-3/10, 2001.
185. Davies, K.J.A. Antioxidant defenses - an overview (Plenary Lecture) Second International Conference on Oxidative Stress and Aging, Maui, Hawaii, April 2-5, 2001.
186. Davies, K.J.A. Degradation of oxidized proteins by the 20S proteasome (Plenary Lecture) the Fourth International Workshop on Proteasomes, Clermont Ferrand, France, April 4-7, 2001.
187. Davies, K.J.A. The role of calcium in the induction of the *DSCR1 (Adapt78)* gene (Plenary Lecture) The 2001 SFRR Europe Meeting, Rome, Italy, June 22-24, 2001.
188. Bota, D.A., Davies, K.J.A., The LON Protease Function in Degradation of Oxidatively-Denatured Aconitase in Mitochondria and Mitochondrial Biogenesis. NATO-UNESCO 2001 Advanced Free Radical Workshop, Antalya, Turkey, September 23- October 3, 2001.
189. Davies, K.J.A. Antioxidant defense and repair systems (invited speaker, session chair) PAX Meeting, Boston, Mass., September 29-October 2, 2001.
190. Davies, K.J.A. Molecular strategies for coping with oxidative stress (Plenary Speaker) 'LIST 2001, AIST Kansai Meeting,' Ikeda, Osaka, Japan, November 1-2, 2001.
191. Davies, K.J.A. Acute expression of the of the *DSCR1 (Adapt78*) gene protects against oxidative stress whereas chronic expression is associated with Alzheimer disease (invited speaker) Kyoto Redox Meeting, Kyoto, Japan, November 3-4, 2001.
192. Davies, K.J.A. The proteasome: A molecular machine for degrading oxidized proteins (Invited speaker) International Conference on Antioxidants and Redox Bioregulation, Keio University School of Medicine, Tokyo, Japan, November 5-6, 2001.
193. Ermak, G., Morgan, T., and Davies, K.J.A. Chronic overexpression of the calcineurin inhibitory gene *DSCR1* is associated with Alzheimer's disease (poster presentation) 3rd Annual Meeting of the Society for Neuroscience, San Diego, CA, November 10-15, 2001.
194. Ermak, G., Morgan, T., and Davies, K.J.A. Chronic overexpression of the calcineurin inhibitory gene *DSCR1* is associated with Alzheimer's disease (poster presentation) 3rd Annual Meeting of the Society for Neuroscience, San Diego, CA, November 10-15, 2001.
195. Davies, K.J.A. The broad spectrum of responses to oxidants in proliferating cells: A new paradigm for oxidative stress (Invited speaker) The 8th Annual Meeting of the Oxygen Society, Research Triangle Park, NC, November 15-19, 2001.
196. Davies, K.J.A. Oxidative stress in exercise: 'The good, the bad, and the ugly' (Plenary speaker) Oxidants, Antioxidants, and Gene Regulation in Exercise, Rennes, France, December 6-8, 2001.
197. Bota, D.A. and Davies, K.J.A. The Lon protease preferentially degrades oxidized mitochondrial aconitase by an ATP-stimulated mechanism (poster presentation) Oxygen Club of California 2002 Congress, Santa Barbara, California, March 6-9, 2002.
198. Bota, D.A. and Davies, K.J.A. Down regulation of the Lon protease causes impairment of mitochondrial morphology and function, and results in cell death (poster presentation) Oxygen Club of California 2002 Congress, Santa Barbara, California, March 6-9, 2002.
199. Bota, D.A. van Remmen, H., and Davies, K.J.A. Modulation of Lon protease activity and aconitase turnover with aging and oxidative stress (poster presentation) Oxygen Club of California 2002 Congress, Santa Barbara, California, March 6-9, 2002.
200. Harris, C., Ermak, G., and Davies, K.J.A. Differential expression of *DSCR1 (Adapt78)* isoforms 1 and 4 in Alzheimer's disease (poster presentation) Oxygen Club of California 2002 Congress, Santa Barbara, California, March 6-9, 2002.
201. Shringarpure,R., Grune,T., and Davies, K.J.A. Ubiquitin-independent degradation of oxidized proteins by proteasome (poster presentation) Oxygen Club of California 2002 Congress, Santa Barbara, California, March 6-9, 2002.

202. Bota, D.A. and Davies, K.J.A. Modulation of Lon protease activity and aconitase turnover with aging and oxidative stress (poster presentation) American Federation for Aging Research, 15th Annual Grantee Conference, New York Academy of Sciences, New York, NY, April 11-12, 2002.
203. Davies, K.J.A. The Mitochondrial Lon protease recognizes and selectively degrades oxidized mitochondrial proteins (Oral presentation, invited speaker) 33rd Annual Meeting of the American Society for Neuroscience, colloquium on Mitochondria: Beyond Bioenergetics, Palm Beach, Florida, June 22-26, 2002.
204. Davies, K.J.A. Mitochondrial nucleases, calcium, and the Lon protease in apoptosis (Plenary speaker) International Symposium on Reactive Oxygen and Nitrogen Species: Diagnostic, Preventive, and Therapeutic Values, St. Petersburg, Russia, July 9-13, 2002.
205. Davies, K.J.A. HNE, Protein aggregates, and proteasome (Plenary speaker) First International Meeting on 4-Hydroxynonenal and Other Lipid Peroxidation Products, Salzburg, Austria, July 13-15, 2002.
206. Davies, K.J.A. Vital protective roles for the 20S proteasome and the mitochondrial Lon protease during oxidative stress, aging, and in stress-related diseases (Plenary speaker). XIth Biennial General Meeting of the International Society for Free Radical Research, Paris, France, July 16-20, 2002.
207. Davies, K.J.A. Transient induction of the *DSCR1(Adapt78) gene provides oxidative stress resistance but chronic expression is linked with Alzheimer disease*. (Oral presentation, invited speaker) XIth Biennial General Meeting of the International Society for Free Radical Research, Paris, France, July 16-20, 2002.
208. Davies, K.J.A. The broad spectrum of antioxidant defense and oxidant repair mechanisms (Plenary speaker). EUROFEDA Meeting, Cambridge, UK, September 25-28, 2002.
209. Davies, K.J.A. (plenary talk) Mitochondria, calcium, proteolysis, and apoptosis. "Oxidants and Antioxidants in Biology", Cadiz, Spain, 02/06-02/09, 2003.
210. Davies, K.J.A. (keynote address) The life and times of a free radical biochemist. "Oxidants and Antioxidants in Biology", Cadiz, Spain, 02/06-02/09, 2003.
211. Davies, K.J.A. (invited talk, session chair) Nrf2 and Oxidative Stress Signaling. Gordon Conference on Oxidative Stress and Disease, Ventura, CA, 03/16-03/21, 2003.
212. Davies, K.J.A. (invited talk) The future of free radical biology & medicine. National Institute of Environmental Health Sciences Annual Leadership Retreat, Greensboro, North Carolina, 05/19-05/21, 2003.
213. Davies, K.J.A. (invited talk) Calcium and oxidative stress: from cell signaling to cell death. 'Diet & Optimal Health' the 2nd Linus Pauling Institute Conference, Portland, OR, 05/21-05/24, 2003.
214. Davies, K.J.A. (plenary talk) Transient induction of the *DSCR1(Adapt78)* gene provides oxidative stress resistance but chronic expression is linked with Alzheimer disease. "Frontiers in Neurodegenerative Disorders and Aging: Fundamental Aspects, Clinical Perspectives and New Insights' A NATO/FEBS/IUBMB Advanced Workshop. Antalya, Turkey, 05/26-06/01, 2003.
215. Davies, K.J.A. (plenary talk) Vital protective roles for the 20S Proteasome and the mitochondrial Lon Protease during oxidative stress, stress-related diseases, and aging. "Frontiers in Neurodegenerative Disorders and Aging: Fundamental Aspects, Clinical Perspectives and New Insights' A NATO/FEBS/IUBMB Advanced Workshop. Antalya, Turkey, 05/26-06/01, 2003.
216. Davies, K.J.A. (invited talk) Mitochondrial protein oxidation and proteolysis: the role of the Lon Protease. 'Mitochondria 2003' The joint annual meeting of the Mitochondrial Medicine Society, the Mitochondrial Research Society, and the United Mitochondrial Disease Foundation. San Diego, CA, 06/11-06/14, 2003.
217. Davies, K.J.A. (plenary talk) Adaptation to oxidative stress. Annual Meeting of the European Society for Free Radical Research. Ioannina, Greece, 06/26-06/29, 2003.
218. Davies, K.J.A. (invited lecture) Degradation of Oxidized Proteins by the Proteasome and the Lon Protease. Symposium on Oxidative Protein Damage and Disease. University of Nebraska, Lincoln, Nebraska. 09/12-09/13, 2003.
219. Ermak, G. and Davies, K.J.A. (invited talk) DSCR1(Adapt78) regulates tau phosphorylation. Abstracts of the XVth International Congress of Neuropathology, Torino, Italy, 09/14-09/18, 2003, Abstract #121, pp. S55.
220. Davies, K.J.A. (plenary talk) International Association of Biomedical Gerontology Meeting, Queens College, Cambridge, UK, 09/19-09/23, 2003.
221. Davies, K.J.A. (keynote lecture) The 20S Proteasome: A molecular machine for degrading oxidized proteins. Society of Toxicology Meeting, Boston, MA, 11/13-11-14, 2003.
222. Teoh, C.and Davies, K.J.A. (poster presentation) Protein oxidation may be a universal mechanism for MHC class I antigen presentation by the immunoproteasome. Society for Free Radical Biology & Medicine 2003 Annual Meeting, Seattle, Washington, 11/21-11/25, 2003.

223. Harris, C., Ermak, G., and Davies, K.J.A. (poster presentation) Differential expression of *DSCR1 (Adapt78)* isoforms in Alzheimer's disease. Society for Free Radical Biology & Medicine 2003 Annual Meeting, Seattle, Washington, 11/21-11/25, 2003.Ngo, J.K., Bota, D.A., and Davies, K.J.A. (poster presentation) The Role of the Lon Protease in Maintaining Mitochondrial Homeostasis. Oxygen Club of California 2004 Congress, Santa Barbara, California, 3/10 – 3/13, 2004.Lin, S.W., Balasubramanian, P., and Davies, K.J.A. (poster presentation) Proteolysis In Cells Deficient In The 26s Proteasome S4 (Atp-Ase) Subunit. Oxygen Club of California 2004 Congress, Santa Barbara, California, 3/10 –3/13, 2004.

226. Ermak, G. and Davies, K.J.A. (poster presentation) SOD1 Gene Expression Is Modulated By *DSCR1(Adapt78).* Oxygen Club of California 2004 Congress, Santa Barbara, California, 3/10 – 3/13, 2004.

227. Teoh, C. and Davies, K.J.A. (2004) Degradation of Oxidized Proteins by the Immunoproteasome. Abstracts of the Oxygen Club of California 20004 World Congress, Santa Barbara, CA, USA, 3/10 –3/13, 2004.

228. Harris, C., Ermak, G., and Davies, K.J.A. (poster presentation) Differential expression of *DSCR1 (Adapt78)* isoforms 1 and 4 in Alzheimer's disease. Oxygen Club of California 2004 Congress, Santa Barbara, California, March 10-13, 2004, pp. 103.Davies, K.J.A. (invited speaker) The Lon Protease, Aging, And Degenerative Diseases. Oxygen Club of California 2004 Congress, Santa Barbara, California, 3/10 –3/13, 2004.

230. Fratta, P., Engel, W.K., McFerrin, J., Davies, K.J.A., Lin, S.W., and Askanas, V. (poster presentation) Proteasome Inhibition Induces Aggresome Formation in a Culture Model of Inclusion-Body Myositis (IBM). 57th Annual Meeting of the American Academy of Neurology, 4/9 – 4/16, 2004, Miami Beach, Florida.

231. Davies, K.J.A. (Plenary Talk) Regulation of Cell Growth, Survival, or Death by Oxidants. 12th Biennial Meeting of the International Society for Free Radical Research, Buenos Aires, Argentina, May 5-9, 2004.

232. Davies, K.J.A. and Ermak, G. and (invited talk) Is *DSCR1(Adapt78)* A Janus Gene that Provides Stress Protection but Causes Alzheimer's Disease? Abstracts of the Meeting: Towards Gene-Phenotype Correlations in Down Syndrome: Expert Workshop on the Biology of Chromosome 21 Genes, June 11-14, Washington, D.C.Ermak, G. and Davies, K.J.A. (invited talk) *DSCR1(Adapt78)* Structure, Expression, and Signal Transduction Pathways. Abstracts of the Meeting: Towards Gene-Phenotype Correlations in Down Syndrome: Expert Workshop on the Biology of Chromosome 21 Genes, June 11-14, Washington, D.C.

234. Davies, K.J.A. (invited talk) Vital Protective Roles of the Proteasome and the Mitochondrial Lon Protease During Oxidative Stress and Aging, and in Stress Related Diseases. Nobel Conference No. 46: Redox Signalling and Cellular Function, 6/6 – 6/9, 2004, Karolionska Institute, Stockholm, Sweden.Davies, K.J.A. (invited talk) Regulation of Gene Expression During Reversible Adaptation to Oxidative Stress. 29th FEBS Congress, 6/26 – 7/1, 2004, Warsaw, Poland.

236. Davies, K.J.A. (invited talk) Protein Turnover and Degradation. 6th 'Euromit Congress'– European-based International Conference on Mitochondrial Pathology, 6/30 – 7/4, 2004, Nijmegen, The Netherlands

237. Davies, K.J.A. (keynote speaker-plenary lecture) Protective Roles of the Mitochondrial Lon Protease During Oxidative Stress and Aging, and Disease. Annual Meeting of the European Society for Free Radical Research, 7/2 – 7/5, 2004, Łodz ,Poland.

238. Davies, K.J.A. (keynote speaker-plenary lecture) Vital Protective Roles for the 20S Proteasome and the Mitochondrial Lon Protease During Stress and Aging. 2nd Meeting of the HNE Society: HNE and Lipid Peroxidation Products – From Basic Science to Medicine., 7/6-7/9, 2004, Berlin, Germany.

239. Davies, K.J.A. (platform talk) Key Roles of the Mitochondrial Lon Protease in Oxidative Stress. Mitochondrial Medicine 2004 – "Streams of Energy (Joint meeting of 8/4 – 8/7, 2004, Pittsburgh, Pennsylvania,

240. Davies, K.J.A. (invited talk) Protective Roles of the Mitochondrial Lon Protease During Oxidative Stress, Aging, and Disease Biology of Aging Gordon Conference, 9/12-17, Aussois, France.Ermak, G. and Davies, K.J.A. (invited talk) Calcipressin1 – Calcineurin – GSK-3 Equilibrium. XXIXth European Symposium on Hormones and Cell Regulation Functional Genomics of Signal Transduction. September 17-20, 2004, Mont Sainte-Odile, Alsace, France.

242. Davies, K.J.A. (keynote speaker) The Broad Spectrum of Responses to Oxidative Stress: From Antioxidants to Adaptation. Free Radicals and Diseases: Gene Expression, Cellular Metabolism, and Pathophysiology: SFRR Free Radical School, Spetses, Greece, 9/21 - 10/1, 2004.

243. Davies, K.J.A. (invited speaker) Turnover of Mitochondrial Proteins by the Lon Protease. Free Radicals and Diseases: Gene Expression, Cellular Metabolism, and Pathophysiology: SFRR Free Radical School, Spetses, Greece, 9/21 - 10/1, 2004

244. Lin, S. W, and Davies, K.J.A. (poster presentation) New Insight into Proteasome Function from Cells Treated with ATPase Subunit S4 SiRNA. USC Annual Deparmental Retreat Meeting for Division of Molecular & Coputational Biology at Aliso Creek, California, 11/13 –11/14, 2004.
245. Ermak, G. and Davies, K.J.A. (invited talk) Is *DSCR1(Adapt78)* A Janus Gene that Provides Stress Protection but Causes Alzheimer's Disease? USC Annual Deparmental Retreat Meeting for Division of Molecular & Coputational Biology at Aliso Creek, California, 11/13 – 11/14, 2004.
246. Davies, K.J.A. (invited talk) Degradation of xidized Proteins. International onference on Inclusion-Body-Myositis: Frontiers of Research Potentially Relevant to Treatment. 1/26 – 1/28, 2005, Santa Monica (Los Angeles), California.
247. Davies, K.J.A. (invited talk) Role of the Proteasome in Oxidative Stress. Gordon Conference on Radiation Oncology. 1/30 – 2/4, 2005, Ventura, California.
248. Davies, K.J.A. (invited talk) Exercise and Free Radicals. 2nd Workshop on Comparative Aspects of Oxidative Stress in Biological Systems. 2/15 – 2/18, 2005, La Paz, Baja California, Mexico.
249. Lin, S. W, and Davies, K.J.A. (poster presentation) New Insights into Proteasome Function from Cells Treated with ATPase Subunit S4 SiRNA. 35th Annual Meeting of the American Society for Biochemistry and Molecular Biology, San Diego, CA, 4/2-4/6, 2005.
250. Ngo, J and Davies, K.J.A. (poster presentation) Annual Meeting of the American Society for Biochemistry and Molecular Biology, San Diego, CA, 4/2-4/6, 2005.
251. Fratta, P., Engel, W.K., McFerrin, J., Davies, K.J.A., Lin, S.W., and Askanas, V. (oral presentation) Proteasome inhibition induces aggresome formation in a culture model of inclusion-body myositis. 57th Annual Meeting of the American Academy of Neurology, Miami Beach, Florida, 4/9 – 4/16, 2005.
252. Ermak, G. and Davies, K.J.A. (invited talk) DSCR1(Adapt78) and calcipressin1 inhibit calcineurin and induce GSK-3: possible role in brain functions. 7th Annual Meeting of the International Behavioural and Neuronal Genetics Society (IBANGS), Sitges, Spain, 6/9 – 6/12, 2005.
253. Davies, K.J.A. (Keynote award lecture) Vital protective roles for the proteasome and the mitochondrial lon protease in oxidative stress, stress-related diseases, and aging. Young Physiologists Symposium of the Physiological Society (UK), Birmingham, England, 7/8, 2005.
254. Davies, K.J.A. (invited plenary lecture) Calcineurin regulatory gene (*DSCR1, ADAPT78, CALCIP1*, or *RCAN*) in oxidative stress, Down syndrome, and Alzheimer disease. Annual Meeting of the European Society for Free Radical Research, West Midlands, United Kingdom, 7/8 – 7/11, 2005.
255. Davies, K.J.A. (invited talk) Regulation of calcineurin in oxidative stress. 5th International Conference on Cell Signaling, Luxembourg, Luxembourg, 1/25 – 1/28, 2006.
256. Davies, K.J.A. (invited talk, session chair) Sources of reactive oxygen species. Gordon Research Conference on Oxygen Radicals in Biology, Ventura, CA, 2/5 – 2/10, 2006.
257. Davies, K.J.A. (invited talk, session chair) Mitochondrial function in aging and degenerative diseases, Oxygen Club of California 2006 Annual Meeting, Santa Barbara, CA, 3/15 – 3/18, 2006.
258. Davies, K.J.A. (invited talk) Proteolysis in oxidative stress and ageing. Proteomage Summer School, Spetses, Greece, 5/16 – 5/20, 2006.
259. Davies, K.J.A. (invited talk, plenary speaker) Role of stress-inducible RCAN1 in age-associated tauopathies. International Society fo Free Radical Research Congress, Davos, Switzerland, 8/14 – 8/20, 2006.
260. Davies, K.J.A. (invited talk, plenary speaker) Protein oxidation & proteolysis in Ageing. 5th European Conference on Biogerontology, Istanbul, Turkey, 9/16 – 9/20, 2006.
261. Davies, K.J.A. (invited talk, plenary speaker) Transient induction of the *RCAN1*gene provides oxidative stress resistance, but chronic expression is linked with Alzheimer disease and other 'tauopathies.' Buck Institute for Age Research Conference, Novato, CA, 10/26 – 10/28, 2006.
262. Davies, K.J.A. (keynote speaker, Lifetime Scientific Achievement Award Lecture) Adaptive responses to acute, chronic, or repetitive oxidative stress in health, disease, and aging. Society for Free Radical Biology & Medicine Annual Meeting, Denver, CO, 11/19 – 11/19, 2006.
263. Davies, K.J.A. (invited talk) The *RCAN1* gene in health and disease: too much of a good thing can be bad for you. Gordon Research Conference on Oxidative Stress & Disease, Ventura, CA, 3/11 – 3/16, 2007.
264. Davies, K.J.A. (invited talk, plenary speaker) Protein oxidation and proteolysis in ageing. 2nd International Symposium on Nutrition, Oxygen Biology, and Medicine, Paris, France, 4/11 – 4/13, 2007.
265. Davies, K.J.A. (invited talk, keynote speaker) Exercise, free radicals, and adaptation. International Symposium on Exercise, Free Radicals, and Antioxidants, Valencia, Spain, 5/2 5/4, 2007.

266. Davies, K.J.A. (invited talk) The Lon protease in oxidative stress and aging. Diet & Optimal Health – Linus Pauling Institute Biennial Meeting, Portland, OR, 5/16 – 5/20, 2007.
267. Davies, K.J.A. (invited talk, plenary speaker) The mitochondrial Lon protease and adaptive responses to oxidative stress in ageing. 12th Congress of the International Association of Biomedical Gerontology (IABG), Spetses, Greece, 5/20 – 5/25, 2007.
268. Davies, K.J.A. (invited talk, plenary speaker) Proteolysis and oxidative-stress protection. Free Radicals in Montevideo Conference, Montevideo, Uruguay, 9/2 – 9/6, 2007.
269. Davies, K.J.A. Protein oxidation and proteolysis in health & disease (Oral presentation, Keynote speaker). Gene-Environment Interactions: Oxidative Injury as a Central Mechanism of Disease Meeting, Organized by DHHS/NIH/NIEHS as part of the US-Japan Cooperative Medical Sciences Program (Genes, Environment, and Disease Panel), San Francisco, CA, March 28-29, 2008.
270. Davies, K.J.A. Protein oxidation, proteasome, and Lon protease as biomarkers for oxidative stress (Oral Presentation, Plenary Speaker). HSSRC/AIST-NIEHS/NIH Joint International Symposium: Biomarkers of Oxidative Stress in Health and Diseases ("BOSHD 2008") Osaka, Japan, January 16-19, 2008.
271. Davies, K.J.A. Inducibility of the proteasome and of the lon protease in oxidative stress, disease, and ageing (Oral presentation, Plenary speaker) SFRR Europe Annual Meeting, Berlin, Germany, July 5-9, 2008.
272. Davies, K.J.A. Oxidative damage and the proteasome (Oral presentation, Invited speaker). Interdisciplinary Translational Research into Frailty Meeting, Liverpool, United Kingdom, July 15-16, 2008.
273. Davies, K.J.A. Diminished adaptability and inducibility of the Proteasome and the lon protease to oxidative stress in ageing (Oral presentation, Plenary speaker) British Society for Research on Ageing Annual Meeting, Brighton, United Kingdom, July 17-18, 2008.
274. Davies, K.J.A. (2008) The degradation of oxidized proteins protects against oxidative stress (Plenary speaker & Session chair) SFRBM Annual Meeting, Indianapolis, Indiana, November 17-21, 2008.

In addition, I have presented invited research seminars at many institutions, including:

Amgen Inc.
Berlin University, Germany
Brunell University, England
Buck Center, CA
Calcutta University, India
California State University
Cambridge University, England
Case Western Reserve University
Cleveland Clinic
Columbia University
Cornell University
Dartmouth College
University Medical School of Debrecen, Hungary
Delhi University, India
Emory University, Atlanta
Fred Hutchinson Cancer Center, Univ. of Washington
Harvard Medical School
Harvard University
Hebrew University, Israel
Humboldt University, Berlin, Germany
Hungarian Academy of Sciences
Indian Academy of Sciences
Indian Institute of Science
Institute Gustave Roussy, Paris
Italian National Institute of Nutrition, Rome
Johns Hopkins University
Karolinska Institute, Sweden
London University (Kings College)
Louisiana State University
Medical College of Wisconsin
MRC/Welcome Trust, Cambridge, UK
Mount Sinai School of Medicine
National Institute on Aging, USA
National Institutes of Health, USA
Oxford University, England
Pennsylvania State University
Rome University, Italy
Pasteur Institute, Paris
Russian State Medical University
Rutgers University
Royal Free Hospital School of Medicine, England
Scripps Clinic & Research Institute
Turin Academy of Medicine, Italy
Turin Biotechnology Foundation, Italy
Tufts University
Unilever Inc.
University of Atlanta
University of Barcelona, Spain
University of Bari, Italy
University of Buenos Aires, Argentina
University of California, Berkeley
University of California, Irvine
UCLA
University of California, San Diego
University of California, San Francisco
University of Chieti, Italy
Uiversity of East Carolina
University of Gdánsk, Poland
University of Hawaii
University of Ioannina, Greece
University of Kansas, Lawrence
University of Kentucky
University of Kuala Lumpur, Malaysia
University of Liverpool, England
University of Lyon, France
University of Modena, Italy
University of Moscow, Russia
University of Michigan
University of Nebraska
University of Padova, Italy
University of Pisa, Italy
University of Paris, France
University of Pennsylvania
Université Pierre et Marie Curie, Paris
University of Rennes, France
University of Saint Petersburg, Russia
University of Sardinia, Italy
University of Siena, Italy
University of South Alabama
University of Southern California
University of Stockholm, Sweden
University of Sussex, England
University of Texas, San Antonio
University of Turin
University of Valencia, Spain
University of Vermont
University of Washington
University of Wisconsin
University of York, England
Vanderbilt University
Washington University,
Wayne State University
Wesleyan University
Wye College, England
Yale University

SUMMARY OF GRADUATE STUDENT & POST-DOCTORAL TRAINING

Graduate Students Currently Working in my Laboratory

1. Jenny K. Ngo - 4th year Ph.D. student in Molecular Biology
2. Andrew Pickering - 2nd year Ph.D. student in Molecular Biology
3. Tara Mastro – 1st year Ph.D. student in Molecular Biology

Undergraduate Students Currently Working in my Laboratory

1. Kevin Chang - Senior in Molecular Biology & Gerontology
2. Michael Cheah – Junior in Molecular Biology

Previous Graduate Students Trained

1. Ahmed Attalah, Ph.D. awarded 1987, University of Southern California
2. Mike Pagliosotti, (co-supervisor) Ph.D. awarded 1988, University of Southern California
3. Terry Catlin, M.S. awarded 1987, University of Southern California
4. Anne Brown, Ph.D. awarded 1990, University of Southern California
5. Jerome Zhang (co-supervisor), Ph.D. awarded 1991, University of Southern California
6. Amal Shafik Balbaa (co-supervisor) Ph.D. awarded 1992, Microbiology Section, Cairo University, Egypt
7. Robert E. Pacifici, Ph.D. awarded 1991, University of Southern California
8. David C. Salo, Ph.D. awarded 1992, University of Southern California
9. Anne C. Wiese, Ph.D. awarded 1992, University of Southern California
10. Sharon W. Lin, Ph.D. awarded 1993, University of Southern California
11. Diane E. Marotta, M.S. awarded 1993, Albany Medical College
12. Chinmay K. Mukhopadhuay (co-supervisor) Ph.D. awarded 1994, Department of Biochemistry, University of Calcutta, India
13. Odeniel Sertil, M.S. awarded 1996, Albany Medical College
14. Thomas Reinheckel (co-supervisor) M.D./Ph.D. awarded 1995, Medical Academy of Magdeburg, Germany
15. Devika Singh, M.S. awarded 1996, MD awarded 1999, Albany Medical College
16. Rachail Melathe, M.S. awarded 1996, Albany Medical College
17. Yanhong Wang, M.S. awarded 1995, Ph.D. awarded 1996, Albany Medical College
18. Kevin Leahy, M.S. awarded 1996, Ph.D. awarded 1997, MD awarded 2000, Albany Medical College
19. Paola Fabrizio, Ph.D. awarded 1998, University of Florence (Italy)
20. Rui Li, M.S. awarded 1997, University of Southern California
21. Reshma Shringapure, Ph.D. awarded 2002, University of Southern California
22. Daniella Bota, Ph.D. awarded 2002, University of Southern California
23. Cheryl Teoh, Ph.D. awarded 2007, University of Southern California
24. Jenny Ngo, Ph.D. awarded 2008, University of Southern California

Postdoctoral Fellows and Senior Researchers Currently Working in my Laboratory

1. Gennady Ermak, Ph.D. (Belarussian State University, Minsk, 1991) 1996-
2 Sharon W. Lin, Ph.D. (University of Southern California, 1993) 2002-

Postdoctoral Fellows Previously Trained in my Laboratory

1. Dulcineia Saes Parra Abdalla, Ph.D. (Universidade de São Paulo, Brazil) 1989. Dr Abdalla is currently an Associate Professor of Biochemistry at the Universidade de São Paulo in Brazil.
2. Marta E. Delsignore, Ph.D. (Rutgers University) 1983-1985. Dr. Delsignore is currently the head of a biochemistry research section at The Colgate-Palmolive Research Center in Nutley, New Jersey.
3. Susan M. McKenna, M.D. (University of Indiana, School of Medicine)1985-1988. Dr. McKenna is currently Professor of Pediatrics in the Department of Medicine at The University of Southern California, Los Angeles, California.
4. Yin Zhang, Ph.D. (Chinese Academy of Sciences, Beijing, China) 1985-1988. Dr. Zhang is currently an Associate Professor of Biochemistry in The Chinese Academy of Sciences in Beijing, China.

Postdoctoral Fellows Previously Trained in my Laboratory Continued

5. Maw-Song Wang, Ph.D. (University of Kansas) 1985. Dr. Wang is an Associate Professor of Biology at The California State University at Long Beach, California.
6. Suman Thacker, M.D. (university of Southern California) 1984. Dr. Thacker is currently a private practitioner of Internal Medicine and Rheumatology in Scottsdale, Arizona.
7. Joanna M. S. Davies M.D., (University of Southern California) 1985. Dr. Davies is currently Adjunct Associate Professor in the School of Gerontology at the University of Southern California, and is Director of the Osteoporosis Center of Los Angeles.
8. Olivier Marcillat, Ph.D. (Université Claude Bernard, Lyon, France) 1986-1988. Dr. Marcillat is currently Professor of Biochemistry at the University of Marsailles, France.
9. Yasuhisa Kono, Ph.D. (Kyoto University, Japan) 1988-1990. Dr. Kono is currently Professor of Microbiology at Tottori University in Yonago City, Japan.
10. Cecilia Giulivi, Ph.D. (University of Buenos Aires, Argentina) 1988-1990. Dr. Giulivi is currently a Professor of Biochemistry at the University of California, Davis.
11. Dilip Vakharia, Ph.D. (London University, England) 1991-1993 Dr Vakharia is currently a Senior Research Scientist at the Wadsworth Center for Laboratories and research of the New York State Department of Health in Albany, New York.
12. Minakshi Joshi, Ph.D. (London University, England) 1990-1994 Dr Joshi is currently an Associate Professor of Biochemistry at the Bowman Gray School of Medicine of Wake Forest University, in Winston-Salem, North Carolina.
13. Tilman Grune, Ph.D. (Humboldt University of Berlin, Germany) 1992-1994 Dr. Grune is currently a Professor of Biochemistry at Stuttgart University, Germany.
14. Thomas Reinheckel MD/Ph.D. (Medical Academy of Magdeburg, Germany) 1994-1995 Dr. Reinheckel is currently an Associate Professor of Biochemistry and of Medicine at Magdeburg University, Magdeburg, Germany.
15. Cheryl A. Edbauer Nechamen, Ph.D. (University of Texas, Houston) 1991-1994 Dr. Nechaman is currently President of 'The Book Affair,' in Albany, New York, and a Senior Research Scientist at the Wadsworth Center for Laboratories and research of the New York State Department of Health in Albany, New York..
16. Yong Kyu Kim, Ph.D. (Toyama University, Japan) 1991-1993 Dr. Kim is currently Professor of Microbiology at the National Institute of Safety Research, Seoul, Korea.
17. John William Haycock, Ph.D. (University of Newcastle Upon Tyne, England) 1993-1994 Dr. Haycock is now a lawyer in London, England, specializing in legal aspects of biotechnology and medicine
18. Catherine Partridge, Ph.D. (University of Texas, Medical Branch, Galveston) 1991-1995 Dr. Partridge is currently Associate Professor of Biochemistry & Molecular Biology at the Albany Medical College in Albany, New York.
19. Charles V. Lowry, Ph.D., deceased (University of Wisconsin, Madison) 1991-1996 Dr Lowry was Associate Professor of Biochemistry & Molecular Biology at the Albany Medical College in Albany, New York.
20. Dana Crawford, Ph.D. (Dartmouth College, Hanover, New Hampshire) 1992-1996 Dr. Crawford is currently Associate Professor of Biochemistry & Molecular Biology at the Albany Medical College in Albany, New York.
21. Juan Andre Melendez, Ph.D. (State University of New York at Albany) 1994-1996 Dr. Melendez is currently an Associate Professor of Biochemistry & Molecular Biology at the Albany Medical College in Albany, New York.
22. James A. North, Ph.D. (University of Iowa, 1993) 1996-1998 Dr. North is currently a Professor at Cal. State Hayward.
23. Paloma Bermejo Bescos Ph.D. (University of Madrid, Spain, 1996) 1996-1998 Dr. Bescos is currently an Assistant Professor at the University of Madrid, Spain.
24. Mei Ling Chang, Ph.D. (University of Southern California, 1995) 1996-1998 Dr. Chang is currently a Researcher at Amgen Corp., Thousand Oaks, CA.
25. Marilene Demasi, Ph.D. (University of São Paulo, Brazil, 1995) 1997-2000 Dr. Demasi is currently an Associate Professor at the University of Sao Paolo, Brazil.