

CURRICULUM VITAE
DR. DEAN P. JONES

Dean P. Jones, Ph.D.
Professor
Department of Biochemistry
Emory University School of Medicine
Atlanta, GA 30322
(404) 727-5970 or -5962
FAX (404) 727-2738
Email: dpjones@emory.edu

Personal Background

Date of Birth: September 13, 1949
Place of Birth: Hazard, Kentucky, USA
Citizenship: USA

Educational Background

Ph.D., University of Oregon Health Sciences Center, Portland, Oregon Major: Biochemistry Minor: Basic Medical Sciences	1971-1976
B.S. with Honors, University of Illinois, Urbana, IL Major: Chemistry and Biochemistry Minor: Physical Science	1967-1971

Awards and Honors

Chair, NIH Alcohol and Toxicology 1 Study Section	1999-2001
Visiting Professor, Univ. of Coimbra, Portugal	1999
Nobel Committee Senior Fellowship	1997-1998
Glaxo Visiting Professor, Washington University	1988-1989
Medical Research Council of Canada Visiting Professor, University of Toronto	1989
Distinguished Visiting Scientist, U. So. Alabama	1987
Albert E. Levy Faculty Research Award	1985
American Society of Biological Chemists Travel Award	1985
National Science Foundation Postdoctoral Fellowship	1976-1977

NIH Predoctoral Fellowship	1971-1976
Illinois State Scholarship	1967-1971
James Scholar	1967-1971
Illinois State Scholar	1967-1971
Association of the U.S. Army Scholarship	1967-1968
International Elks Club Scholarship	1967-1968

Research Experience and Positions Held:

Director, Nutrition and Health Sciences Emory University Atlanta, GA 30322	1998-Present
Professor of Biochemistry Emory University School of Medicine Atlanta, GA 30322	1991-Present
Professor of Ophthalmology (Adjunct) Emory University School of Medicine Atlanta, GA. 30322	1990-Present
Mini-Sabbatical, Center for Toxicology Department of Biochemistry and Biophysics Oregon State University Corvallis, OR	Summer, 1990
Professor of Pediatrics (Adjunct) Emory University School of Medicine Atlanta, GA. 30322	1989-present
Mini-Sabbatical Department of Toxicology Karolinska Institute Stockholm, Sweden	Summer, 1988
Professor Winship Cancer Center Emory University School of Medicine Atlanta, GA 30322	1987-present
Associate Professor of Biochemistry Department of Biochemistry Emory University School of Medicine Atlanta, GA 30322	9/85-9/91
Assistant Professor of Biochemistry Department of Biochemistry	9/79-8/85

Emory University School of Medicine
Atlanta, GA 30322

Postdoctoral Research Associate
Department of Biochemistry, School of Medicine
University of Oregon Health Sciences Center
Portland, OR 97201

11/78-8/79

Guest Scientist
Department of Forensic Medicine
Karolinska Institute
Stockholm, Sweden

4/77-10/78

National Science Foundation
Postdoctoral Fellow
Department of Biochemistry, Molecular
and Cell Biology
Cornell University
Ithaca, NY 14850

3/76-4/77

Graduate Student
Department of Biochemistry
School of Medicine
University of Oregon Health Sciences Center
Portland, OR 97201

6/71-3/76

Original Research Publications

1. Jones, D.P., and H.S. Mason (1978). Gradients of O₂ Concentration in Hepatocytes. *J. Biol. Chem.* 253, 4874-4880.
2. Jones, D.P., and H.S. Mason (1978). Apparatus for Automatically Maintaining Cell Suspensions at Low, Constant Oxygen Concentrations. *The Oxystat. Anal. Biochem.* 90, 155-166.
3. Jones, D.P., and H.S. Mason (1978). Metabolic Hypoxia: Accumulation of Tyrosine Metabolites in Hepatocytes and Low pO₂. *Biochem. Biophys. Res. Commun.* 80, 477-483.
4. Jones, D.P., H. Thor, B. Andersson, and S. Orrenius (1978). Detoxification Reactions in Isolated Hepatocytes. Role of Glutathione Peroxidase, Catalase and Formaldehyde Dehydrogenase in Reactions Relating to N-Demethylation by the Cytochrome P-450 System. *J. Biol. Chem.* 253, 6031-6037.

5. Moldeus, P., D.P. Jones, K. Ormstad, and S. Orrenius (1978). Formation and Metabolism of a Glutathione-S-Conjugate in Isolated Rat Liver and Kidney Cells. *Biochem. Biophys. Res. Commun.* 83, 195-200.
6. Rajs, J., D.P. Jones, and S.W. Jakobsson (1978). Comparison of Anoxic Changes in Isolated Rat Cardiac Myocytes in Suspension and in Histological Sections. *Acta Path. Microbiol. Scand. Sect. A.* 86, 325-332.
7. Jones, D.P., S. Orrenius, and H.S. Mason (1979). Hemoprotein Quantitation in Isolated Hepatocytes. *Biochim. Biophys. Acta*, 576, 17-29.
8. Jones, D.P., G.-B. Sundby, K. Ormstad, and S.Orrenius (1979). Use of Isolated Kidney Cells for Study of Drug Metabolism. *Biochem. Pharmacol.* 28, 929-935.
9. Jones, D.P., P. Moldeus, A.H. Stead, K. Ormstad, H. Jornvall, and S. Orrenius (1979). Metabolism of Glutathione and a Glutathione Conjugate by Isolated Kidney Cells. *J. Biol. Chem.* 254, 2787-2792.
10. Jones, D.P., and J.L. Gaylor (1979). Regulation of Microsomal Stearyl-Coenzyme A Desaturase. Purification of a Non-Substrate-Binding Protein that Stimulates Activity. *Biochem. J.* 183, 405-415.
11. Andersson, B., D.P. Jones, and S.Orrenius (1979). Effect of Calcium Ions on Ethanol Oxidation and Drug Glucuronidation in Isolated Hepatocytes. *Biochem. J.* 184, 709-711.
12. Ormstad, K., D.P. Jones, and S. Orrenius (1980). Characteristics of Glutathione Biosynthesis by Freshly Isolated Rat Kidney Cells. *J. Biol. Chem.* 255, 175-181.
13. Jones, D.P., R.C. Grafstrom, and S. Orrenius (1980). Quantitation of Hemoproteins in Rat Small Intestinal Mucosa with Identification of Mitochondrial Cytochrome P-450. *J. Biol. Chem.* 255, 2383-2390.
14. Ashkar, S., F. Binkley, and D.P. Jones (1981). Resolution of a renal sulfhydryl (Glutathione) Oxidase from -glutamyl-transferase. *FEBS Lett.* 124, 166-168.
15. Jones, D.P., D.B. Meyer, B. Andersson, and S. Orrenius (1981). Conversion of Catalase to the Secondary Catalase-Peroxide Complex (Compound II) by -Methyldopa. *Mol. Pharmacol.* 20, 159-164.
16. Jones, D.P., L. Eklow, H. Thor, and S. Orrenius (1981). Metabolism of Hydrogen Peroxide in Isolated Hepatocytes. Relative Contributions of Catalase and Glutathione Peroxidase in Decomposition of Endogenously Generated H₂O₂. *Arch. Biochem. Biophys.* 210, 505-516.
17. Jones, D.P. (1981). Determination of Pyridine Dinucleotides in Cell Extracts by High-Performance Liquid Chromatography. *J. Chromatogr.* 225, 446-449.

18. Jones, D.P. (1981). Intracellular Inhibition of Catalase by α -Methyldopa. *Res Commun. Chem. Pathol. Pharmacol.* 33, 215-223.
19. Wilson, M.E., D.P. Jones, P. Munkenbeck, and D.C. Morrison (1982). Serum-dependent and -independent effects of bacteria lipopolysaccharides on human neutrophil oxidative capacity *in vitro*. *J. Reticuloendothelial Soc.* 31, 43-57.
20. Lash, L.H., and D.P. Jones (1982). Localization of the membrane-associated thiol oxidase of rat kidney to the basal lateral plasma membrane. *Biochem. J.* 203, 371-376.
21. Jones, D.P. (1982). Intracellular catalase function. Analysis of the catalatic activity by product formation in isolated liver cells. *Arch. Biochem. Biophys.* 214, 806-814.
22. Jones, D.P., and Kennedy, F.G. (1982). Intracellular O₂ gradients in cardiac myocytes. Lack of a role for myoglobin in facilitation of intra-cellular O₂ diffusion. *Biochem. Biophys. Res. Commun.* 105, 419-424.
23. Aw, T.Y., and D.P. Jones (1982). Secondary bioenergetic hypoxia. Inhibition of sulfation and glucuronidation reactions in isolated hepatocytes at low O₂ concentration. *J. Biol. Chem.* 257, 8997-9004.
24. Jones, D.P., and F.G. Kennedy (1982). Intracellular O₂ supply during hypoxia. *Am J. Physiol.* 243, C247-C253.
25. Aw, T.Y., and D.P. Jones (1982). Direct determination of UDP glucuronic acid in cell extracts by high-performance liquid chromatography. *Anal. Biochem.* 127, 32-36.
26. Aw, T.Y., and D.P. Jones (1983). Intracellular inhibition of UDP-glucose dehydrogenase during ethanol oxidation. *Chem. Biol. Interactions*, 43, 283-288.
27. Jones, D.P., H. Thor, M.T. Smith, S.A. Jewell, and S. Orrenius (1983). Inhibition of ATP-dependent microsomal Ca²⁺ sequestration during oxidative stress and its prevention by glutathione. *J. Biol. Chem.* 258, 6390-6393.
28. Lash, L.H., and D.P. Jones (1983). Transport of glutathione by renal basal-lateral membrane vesicles. *Biochem. Biophys. Research Commun.* 112, 55-60.
29. Aw, T.Y., D.P. Jones, and D.B. McCormick (1983). Uptake of riboflavin by isolated rat liver cells. *J. Nutr.* 113, 1249-1254.
30. Lash, L.H., and D.P. Jones (1983). Characterization of the membrane-associated thiol oxidase activity of rat small-intestinal epithelium. *Arch. Biochem. Biophys.* 225, 344-352.

31. Walters, F.P., F.G. Kennedy, and D.P. Jones (1983). Oxidation of myoglobin in isolated adult rat cardiac myocytes by 15-hydroperoxy-5, 8, 11, 13-eicosatetraenoic acid. *FEBS Lett.* 163, 292-296.
32. Jones, D.P. (1984). Benzylamine metabolism at low O₂ concentrations. Relative sensitivities of monoamine oxidase, aldehyde dehydrogenase and hippurate synthesis to hypoxia. *Biochem. Pharmacol.* 33, 413-417.
33. Jones, D.P. (1984). A simple high-performance liquid chromatography assay for benzylamine oxidation products in cell suspensions. *J. Chromatogr.* 305, 256-260.
34. Stevens, V.L., T.Y. Aw, D.P. Jones, and J.D. Lambeth (1984). Oxygen dependence of adrenal cortex cholesterol side chain cleavage: Implications in the rate-limiting step(s) in steroidogenesis. *J. Biol. Chem.* 259, 1174-1179.
35. Lee, S.-S., J. Ye, D.P. Jones, and D.B. McCormick (1983). Correlation of H₂O₂ production and liver catalase during riboflavin deficiency and repletion in mammals. *Biochem. Biophys. Res. Commun.* 117, 788-793.
36. Aw, T.Y., and D.P. Jones (1984). Control of glucuronidation during hypoxia. Limitation by UDP-glucose pyrophosphorylase. *Biochem. J.* 219, 707-712.
37. Jones, D.P. (1984). Effect of mitochondrial clustering on O₂ supply in hepatocytes. *Am. J. Physiol.* 247, C83-C89.
38. Lash, L.H., and D.P. Jones (1984). Characteristics of cysteine uptake in intestinal basal-lateral membrane vesicles. *Am. J. Physiol.* 247, G394-G401.
39. Lash, L.H., and D.P. Jones (1984). Renal glutathione transport: Characteristics of the sodium-dependent system in the basal-lateral membrane. *J. Biol. Chem.* 259, 14508-14514.
40. Aw, T.Y., D.P. Jones, D.J. O'Shannessy, J.H. Priest, and R.E. Priest (1985). Oxygen dependence of estrogen production by human placental microsomes and cultured choriocarcinoma cells. *J. Steroid Biochem.* 22, 753-758.
41. Andersson, B.S., and D.P. Jones (1985). Use of digitonin fractionation to determine mitochondrial transmembrane ion distribution during anoxia. *Anal. Biochem.* 146, 164-172.
42. Aw, T.Y., and D.P. Jones (1985). ATP concentration gradients in the cytosol of liver cells during hypoxia. *Am. J. Physiol.* 249, C385-C392.
43. Lash, L.H., and D.P. Jones (1985). Distribution of oxidized and reduced forms of glutathione and cysteine in rat plasma. *Arch. Biochem. Biophys.* 240, 585-592.

44. Lash, L.H., and D.P. Jones (1985). Uptake of the glutathione conjugate S-(1,2-dichlorovinyl)glutathione by renal basal-lateral membrane vesicles and isolated kidney cells. *Mol. Pharmacol.* 28, 278-282.
45. Kennedy, F.G., and D.P. Jones (1986). Oxygen dependence of mitochondrial function in isolated rat cardiac myocytes. *Am. J. Physiol.* 250, C374-C383.
46. Jones, D.P., and F.G. Kennedy (1986). Analysis of intracellular oxygenation of isolated adult cardiac myocytes. *Am. J. Physiol.* 250, C384-C390.
47. Lash, L.H., T.M. Hagen, and D.P. Jones (1986). Exogenous glutathione protects intestinal epithelial cells from oxidative injury. *Proc. Natl. Acad. Sci. (USA)*, 83, 4641-4645.
48. Lash, L.H., and D.P. Jones (1986). Purification and properties of the membranal thiol oxidase from porcine kidney. *Arch. Biochem. Biophys.* 247, 120-130.
49. Mackin, R.B., D.P. Jones, and B.D. Noe (1986). Islet secretory granules contain a cytochrome b₅₆₁. *Diabetes*, 35, 881-885.
50. Hagen, T.M., L.A. Brown, and D.P. Jones (1986). Protection against paraquat-induced injury by exogenous GSH in pulmonary alveolar type II cells. *Biochem. Pharmacol.* 35, 4537-4542.
51. Hagen, T.M., and D.P. Jones (1987). Transepithelial transport of glutathione in vascularly perfused small intestine of rat. *Am. J. Physiol.* 252, G607-G613.
52. Andersson, B.S., T.Y. Aw, and D.P. Jones (1987). Mitochondrial transmembrane potential and pH gradient during anoxia. *Am. J. Physiol.* 252, C349-C355.
53. Aw, T.Y., B.S. Andersson, and D.P. Jones (1987). Mitochondrial transmembrane ion distribution during anoxia. *Am. J. Physiol.* 252, C356-C361.
54. Aw, T.Y., B.S. Andersson, and D.P. Jones (1987). Suppression of mitochondrial respiratory function following short-term anoxia. *Am. J. Physiol.* 252, C362-C368.
55. Merrill, A.H., E. Wang, D.P. Jones, and J.L. Hargrove (1987). Hepatic function in rats after space flight: Effects on lipids, glycogen and enzymes. *Am. J. Physiol.* 252, R222-R226.
56. Aw, T.Y., and D.P. Jones (1987). Respiratory characteristics of neonatal rat hepatocytes. *Pediatr. Res.* 21, 492-496.
57. Aw, T.Y., E. Wilson, T.M. Hagen, and D.P. Jones (1987). Determinants of mitochondrial O₂ dependence in kidney. *Am. J. Physiol.* 253, F440-F447.

58. Hagen, T.M., T.Y. Aw, and D.P. Jones (1988). Glutathione uptake and protection against oxidative injury in isolated kidney cells. *Kidney International* 34, 74-81.
59. Tribble, D.L., D.P. Jones, and D.E. Edmondson (1988). Effect of hypoxia on *tert*-butylhydroperoxide-induced oxidative injury in isolated hepatocytes. *Mol. Pharmacol.* 34, 413-420.
60. Aw, T.Y., and D.P. Jones (1989) Heterogeneity of pH in the aqueous cytoplasm of renal proximal tubule cells. *FASEB J.* 3, 52-58.
61. Tribble, D.L., D.P. Jones, A. Ardehali, R.M. Feeley, and D. Rudman (1989) Hypercysteinemia and delayed sulfur excretion in cirrhotics following oral cysteine loads. *Am. J. Clin. Nutr.* 50, 1401-1406.
62. Nicotera, P., D.J. McConkey, D.P. Jones, and S. Orrenius (1989). ATP stimulates Ca^{2+} uptake and increases the free Ca^{2+} concentration in isolated rat liver nuclei. *Proc. Natl. Acad. Sci. (USA)*, 86, 453-457.
63. Bai, C., C.S. Slife, T.Y. Aw, and D.P. Jones (1989). Fractionation and analysis of mitochondria by membrane filtration. *Anal. Biochem.* 179, 114-119.
64. Jones, D.P., D.J. McConkey, P. Nicotera, and S. Orrenius (1989). Calcium-activated DNA fragmentation in rat liver nuclei. *J. Biol. Chem.* 264, 6398-6403.
65. Aw, T.Y., and D.P. Jones (1989). Cyanide toxicity in hepatocytes under aerobic and anaerobic conditions. *Am. J. Physiol.* 257, C435-C441.
66. Shan, X., T.Y. Aw, R. Shapira, and D.P. Jones (1989). O_2 dependence of glutathione synthesis in isolated hepatocytes. *Toxicol. Appl. Pharmacol.* 101, 261-270.
67. Hotchkiss, R.S., R.C. Long, J.R. Hall, G.T. Shires, R.G. Brouillard, W.J. Millikan, and D.P. Jones (1989). An in vivo examination of rat brain during sepsis with ^{31}P NMR spectroscopy. *Am. J. Physiol.* 257, C1055-C1061.
68. Tribble, D.L., and D.P. Jones (1990). Oxygen dependence of oxidative stress. Rate of NADPH supply for maintaining the GSH pool during hypoxia, *Biochem. Pharmacol.* 39, 729-737.
69. Merrill, A.H., M. Hoel, E. Wang, R.E. Mullins, J.L. Hargrove, D.P. Jones, and I.A. Popova (1990). Differences in carbohydrate, amino acid, lipid, and xenobiotic metabolism in liver and serum samples from rats flown on Cosmos 1987. *FASEB J.* 4, 95-100.
70. Wierzbicka, G.T., T.M. Hagen and D.P. Jones (1990). Glutathione in food. *J. Food Comp. Anal.* 2, 327-337.

71. Kowalski, D.P., R.M. Feeley and D.P. Jones (1990). Use of exogenous glutathione for metabolism of peroxidized methyl linoleate in the small intestine. *J. Nutr.* 120, 1115-1121.
72. Hagen, T.M., G.T. Wierzbicka, A.H. Sillau, B.B. Bowman, and D.P. Jones (1990). Bioavailability of dietary glutathione. Effect on plasma concentration, *Am. J. Physiol.* 259, G524-G529.
73. Hagen, T.M., G.T. Wierzbicka, B.B. Bowman, T.Y. Aw, and D.P. Jones (1990). Fate of dietary glutathione. Disposition in the gastrointestinal tract. *Am. J. Physiol.* 259, G530-G535.
74. Hagen, T.M., C. Bai, and D.P. Jones (1991). Hormonal regulation of glutathione absorption. Stimulation by α -adrenergic agonists in small intestine. *FASEB J.* 5, 2721-2727.
75. Aw, T.Y., X. Shan, A.H. Sillau, and D.P. Jones (1991). Effect of chronic hypoxia on in vivo drug metabolism in rat. *Biochem. Pharmacol.* 42, 1029-1038.
76. Savage, M.K., D.P. Jones, and D.J. Reed (1991). Calcium- and phosphate-dependent loading of glutathione by liver mitochondria. *Arch. Biochem. Biophys.* 290, 51-56.
77. Aw, T.Y., G. Wierzbicka, and D.P. Jones (1991). Oral glutathione increases tissue glutathione in vivo. *Chem. Biol. Interact.* 80, 89-97.
78. Jones, D.P., R.J. Coates, E.W. Flagg, J.W. Eley, G. Block, R.S. Greenberg, E.W. Gunter, and B. Jackson (1992). Glutathione in foods listed in the National Cancer Institute's Health Habits and History Food Frequency Questionnaire. *Nutr. Cancer*, 17, 57-75.
79. Brown, L.A.S., C. Bai, and D.P. Jones (1992). Glutathione protection in alveolar type II cells from fetal and neonatal rabbits. *Am. J. Physiol.* 262, L305-L312.
80. Kowalski, D.P., T.Y. Aw, Y. Park, and D.P. Jones (1992). Effect of lactate on post-anoxic oxidative stress. *Free Radical Biol. Med.* 12, 205-212.
81. Shan, X., T.Y. Aw, E.R. Smith, M. Ingleman-Sundberg, B. Mannervik, T. Iyanagi, and D.P. Jones (1992). Effect of chronic hypoxia on detoxication enzymes in rat liver. *Biochem. Pharmacol.* 43, 2421-2426.
82. Park, Y., T.M. Devlin, and D.P. Jones (1992). Protective effect of the dimer of 16,16-dimethyl-15-dehydroprostaglandin B₁ against KCN-induced mitochondrial failure in hepatocytes. *Am. J. Physiol.* 263, C405-C411.
83. Shan, X., D.P. Jones, M. Hashmi, and M.W. Anders (1993). Selective depletion of mitochondrial glutathione concentrations by (R,S)-3-hydroxy-4-pentenoate potentiates oxidative cell death. *Chem. Res. Toxicol.* 6, 75-81.

84. Flagg, E.W., R.J. Coates, D.P. Jones, W. Eley, E.W. Gunter, B. Jackson, and R.S. Greenberg (1993). Plasma total glutathione in humans and its association with demographic and health-related factors. *Br. J. Nutr.* 70 797-808.
85. Sternberg, P., P. C. Davidson, D.P. Jones, T.M. Hagen, R.L. Reed, and C. Drews-Botsch (1993). Protection of retinal pigment epithelium from oxidative injury by glutathione and precursors. *Invest. Ophthalm. Vis Sci.* 34, 3661-3668
86. Horsley, W.S., J.D. Whitlark, J.D. Hall, J.P. Gott, C. Pan, A. H. Huang, Y. Park, D.P. Jones, R.A. Guyton (1993). Revascularization for acute regional infarct: superior protection with warm cardioplegia. *Ann. Thorac. Surg.* 56, 1228-1237.
87. Chawla, R.K., and D.P. Jones (1994). Abnormal metabolism of S-adenosyl-L-methionine in hypoxic rat liver. Similarities to its abnormal metabolism in alcoholic cirrhosis. *Biochim. Biophys. Acta* 1199, 45-51.
88. Bonkovsky, H.L., R.E. Kane, D.P. Jones, R.E. Galinsky, and B. Banner (1994). Acute hepatic and renal toxicity from low doses of acetaminophen in absence of alcohol abuse or malnutrition. *Hepatology* 19, 1141-1148.
89. Flagg, E.W., R.J. Coates, J. W. Eley, D.P. Jones, E.W. Gunter, T.E. Byers, G.S. Block, and R.S. Greenberg (1994). Dietary glutathione intake in humans and the relationship between intake and plasma total glutathione level. *Nutr. Cancer* 21, 33-46.
90. Flagg, E.W., R.J. Coates, D.P. Jones, T.E. Byers, R.S. Greenberg, G. Gridley, J.K. McLaughlin, W.J. Blot, M. Haber, S. Preston-Martin, J.B. Schoenberg, D.F. Austin, and J.F. Fraumeni, Jr. (1994). Dietary glutathione intake and the risk of oral and pharyngeal cancer. *Am. J. Epidemiol.*, 139, 453-465.
91. Davidson, P.C., P. Sternberg, Jr., D.P. Jones, and R.L. Reed (1994). Synthesis and transport of glutathione by cultured human retinal pigment epithelial cells. *Invest. Ophthalmol.* 35, 2843-2849.
92. Dahm, L.J., and D.P. Jones (1994). Secretion of cysteine and glutathione from mucosa to lumen in rat small intestine. *Am. J. Physiol.* 267, G292-G300..
93. Park, Y., T.M. Devlin, and D.P. Jones (1994). Protection against cell death due to mitochondrial failure. Effect of di-calciphor on antimycin A-induced toxicity. *Toxicol. Appl. Pharmacol.* 126, 33-38.
94. Bai, C., L.A.S. Brown, and D.P. Jones (1994). Glutathione transport by type II cells in perfused rat lung. *Am J. Physiol.* 267, L447-L455.
95. Dahm, L.J., and D.P. Jones (1994). Clearance of glutathione disulfide from rat mesenteric vasculature. *Toxicol. Appl. Pharmacol.* 129, 272-282.

96. Jones, D.P., E. Maellaro, S. Jiang, A.F.G. Slater and S. Orrenius (1995). Effects of N-Acetyl-L-cysteine on T-cell apoptosis are not mediated by increased cellular glutathione. *Immunol. Lett.* 45, 205-209.
97. Chawla, R.K., W.H. Watson and D.P. Jones. (1996) Effect of hypoxia on hepatic DNA methylation and tRNA methyltransferase in rat: similarities to effects of methyl-deficient diets. *J Cell Biochem.* 61(1):72-80.
98. Bai, C., and D.P. Jones (1996). GSH transport and GSH-dependent detoxication in small intestine of rats exposed in vivo to hypoxia. *Am. J. Physiol.* 271, G701-G706.
99. Olsen, T.W., Sternberg, P., Reed, R.L., and D.P. Jones (1997). A model for light toxicity of cultured human retinal pigment epithelium. *Graefe's Arch. Clin. Exp. Ophthalmol.* Vol 235:111-117.
100. Yang, J., X. Liu, K. Bhalla, C.N. Kim, A.M. Ibrado, J. Cai, T-I.Peng, D.P. Jones and X. Wang (1997). Prevention of apoptosis by Bcl-2: release of cytochrome c from mitochondria blocked. *Science.* 275:1129-1132.
101. Zulke, K.A., D.P. Jones, and S.D. Perreault (1997). Glutathione oxidation is associated with altered microtubule function and disrupted fertilization in mature hamster oocytes. *Biology of Reproduction. Biol. Reprod.* 57, 1413-1419.
102. Brown, L.A., F.L. Harris, and D.P. Jones. (1997). Ascorbate deficiency and oxidative stress in the alveolar type II cell. *Am J Physiol.* 273:L782-L788.
103. Samiec, P.S., C. Drews-Botsch, E.W. Flagg, J.C. Kurtz, P. Sternberg, R.L. Reed and D.P. Jones. (1998) Glutathione in human plasma. Decline in association with aging, age-related macular degeneration and diabetes, *Free Radical Biol Med.* 24:699-704.
104. Cai, J., and D.P. Jones. (1998). Superoxide in apoptosis. Mitochondrial generation triggered by cytochrome c loss. *J. Biol. Chem.* 273:11401-11404.
105. Stridh, H., M. Kimland, D.P. Jones, S. Orrenius and M.B. Hampton. (1998) Cytochrome c release and caspase activation in hydrogen peroxide and tributyltin induced apoptosis. *FEBS Lett.* 429:351-355.
106. Jones, D.P., J.C. Kurtz, P.S. Samiec, P. Sternberg, R.L. Reed and L.A.S. Brown (1998). GSH measurement in human plasma. Evaluation of sample collection, storage and derivatization conditions for analysis of dansyl derivatives by HPLC. *Clin. Chem. Acta*, 275:175-184
107. Samali, A., B. Zhivotovsky, D.P. Jones and S. Orrenius (1998). Distribution of pro-caspase 3 in the cytosol and mitochondria of tissues. *FEBS Lett.* 431:167-169.
108. Samali A., J. Cai, B. Zhivotovsky, D.P. Jones, S., Orrenius, S. (1999). Presence of a pre-apoptotic complex of pro-caspase-3, Hsp60 and Hsp10 in the mitochondrial fraction of Jurkat cells. *EMBO J.* 18:2040-2048.

109. Jiang, S., J. Cai, D. C. Wallace, D.P. Jones (1999). Cytochrome *c*-mediated apoptosis in cells lacking mitochondrial DNA. *J. Biol. Chem.* 274:29905-29911.
110. Ziegler, T.,R., C.F. Estívariz, C.R. Jones, L.H. Gu, D.P. Jones, L.M. Leader (1999). Interactions between nutrients and peptide growth factors in intestinal growth, repair, and function. *Jrnl. of Parenteral and Enteral Nutrition.* *J. Parenteral and Enteral Nut.* 23:174-183.
111. Cai J, M. Wu., K.C. Nelson, P. Sternberg, D. P. Jones (1999). Oxidant induced apoptosis in cultured human retinal pigment epithelial cells. *Invest Ophthalmol Vis Sci.* 40:959-966.
112. Jonas, C. R., C. F. Estivariz, D. P. Jones, L. H. Gu, T. M. Wallace, E. E. Diaz, R. R. Pascal, G. A. Cotsonis and T. R. Ziegler (1999). Keratinocyte growth factor enhances glutathione redox state in rat intestinal mucosa during protein-energy malnutrition. *J. Nutr.* 127:1278-1284.
113. Kirilin, W. G., J. Cai, S. A. Thompson, D. Diaz, T. J. Kavanagh, D. P. Jones (1999). Glutathione redox potential during differentiation and enzyme inducers. *Free Rad. Biol. & Med.* 27:1208-1218.
114. Kirilin, W. G., J. Cai, M. J. DeLong, E. J. Patten, D. P. Jones (1999). Dietary compounds that induce cancer preventive phase 2 enzymes activate apoptosis at comparable doses in HT29 colon carcinoma cells. *J. Nutr.* 129: 1827-1835.
115. Jiang, S., J. Cai, D.C. Wallace, D.P. Jones (1999). Cytochrome *c*-mediated apoptosis in cells lacking mitochondrial DNA. *J. Biol Chem.* 274: 29905-29911.
116. Nelson, K. C., J. L. Carlson, M. L. Newman, P. Sternberg, D. P. Jones, T. J. Kavanagh, D. Diaz, J. Cai, M. Wu (1999). Effect of Dietary Inducer dimethylfumarate on glutathione in cultured human retinal pigment epithelial cells. *Invest Ophthalmol Vis Sci.* 40:1927-1935.
117. Kadiiska, M. B., B. C. Gladen, D. D. Baird, A. E. Dikalova, R. S. Sohal, G.E. Hatch, D.P. Jones, R.P. Mason and J.C. Barrett (2000). Biomarkers of oxidative stress study: Are Plasma antioxidants markers of CCl₄ poisoning? *Free Rad. Biol. Med.* 28:838-845.
118. Samiec, P. S., L. J. Dahm and D. P. Jones. (2000) Glutathione S-transferase in mucus of rat small intestine. *Toxicol. Sci.* 54(1): 52-59.
119. Jonas, C. R., C. L. Farrell, S. Scully, A. Eli, C. F. Estivariz, H. G. Li, D. P. Jones, T. R. Ziegler. (2000). Enteral Nutrition and Keratinocyte Growth Factor Regulate Expression of Glutathione-Related Enzyme Messenger RNAs in Rat Intestine. *J. of Parenteral and Enteral Nut.* 24:67-75.
120. Jones, D.P., J.L. Carlson, V.C. Mody, Jr., J. Cai, M.J. Lynn, P. Sternberg, Jr. (2000). Redox state of glutathione in human plasma. *Free Rad. Biol. Med.* 28:625-635.
121. Jiang S., M-W.H. Wu, P. Sternberg, D.P. Jones (2000). Fas ligand/Fas mediates apoptosis and oxidant-induced cell death in cultured human retinal pigment epithelial cells. *Invest. Ophthalmol. Vis. Sci.* 51:645-655.

122. Jonas, C.R., A.B. Puckett, D.P. Jones, D.P. Griffith, E.E. Szeszycki, G.F. Bergman, C.E. Furr, C. Tyre, J.L. Carlson, J.R. Galloway, J.B. Blumberg and T.R. Ziegler (2000). Plasma antioxidant status after high-dose chemotherapy: A randomized trial of parenteral nutrition in bone marrow transplantation patients. *Amer. J. of Clinical Nutr.* 72:181-189.
123. Dahm, L.J., D.P. Jones (2000). Rat jejunum controls luminal thiol-disulfide redox (2000). *J. Nutr.* 130:2739-2745.
124. Cai, J., D.C. Wallace, B. Zhivotovsky, and D.P. Jones (2000). Separation of cytochrome *c*-dependent caspase activation from thiol-disulfide redox change in cells lacking mitochondrial DNA. *Free Rad. Biol. Med.* 29:334-342.
125. Rzucidlo, S.J., D.I. Bounous, D.P. Jones, and B.G. Brackett (2000). Acute acetaminophen toxicity in transgenic mice with elevated hepatic glutathione. *Veterinary and Human Toxicology*, in press.
126. Chen, Y., J. Cai, M.W. Anders, J.L. Stevens, and D.P. Jones (2000). Role of mitochondrial dysfunction in *S*-(1,2-Dichlorovinyl)-L-cysteine (DCVC)-induced apoptosis. *Tox. Appl. Pharmacol.*, in press.

Books:

1. Jones, D.P., ed. (1988) Microcompartmentation, CRC Press, Boca Raton, Fl.
2. Lash, L.H., and D.P. Jones, eds., (1993) Mitochondrial Dysfunction, Meth. Toxicol. Vol. 2; Academic Press, San Diego, CA.

Invited Reviews and Book Chapters:

1. Jones, D.P., A.H. Stead, P. Moldeus, and S. Orrenius (1978). Glutathione and Glutathione Conjugate Metabolism in Isolated Liver and Kidney Cells. In: Functions of Glutathione in Liver and Kidney (H. Sies and A. Wendel, eds.), Springer-Verlag, Berlin, pp 194-200.
2. Orrenius, S., and D.P. Jones (1978). Functions of Glutathione in Drug Metabolism. In: Functions of Glutathione in Liver and Kidney (H. Sies and A. Wendel, eds.), Springer-Verlag, Berlin, pp 164-175.
3. Jones, D.P., S. Orrenius, and S.W. Jakobson (1980). Cytochrome P-450- linked mono-oxygenase systems in the kidney. In: Extrahepatic Metabolism of Drugs and Other Foreign Compounds (T.E. Gram, ed.), Spectrum Publications, Jamaica, NY, pp 123-158.

4. Orrenius, S., H. Thor, L. Eklow, P. Moldeus, and D.P. Jones (1980). Drug-stimulated H_2O_2 Formation in Hepatocytes. Possible Toxicological Implications. In: Proceedings of the Second International Symposium of Biological Reactive Intermediates (R. Snyder, D.W. Parks, J. Kocsis and D.J. Jollow, eds.), Plenum Press, London, pp 395-405.
5. Jones, D.P. (1981). Hypoxia and Drug Metabolism. *Biochem. Pharmacol.*, 30, 1019-1023.
6. Ormstad, K., S. Orrenius, and D.P. Jones (1981). Preparation and Characteristics of Isolated Kidney Cells. *Meth. Enzymol.*, 77, 137-146.
7. Jones, D.P., and J. L. Gaylor (1981). Purification of a Non-Substrate-Binding Protein that Stimulates Activity of Microsomal Stearyl-Coenzyme A Desaturase. *Meth. Enzymol.*, 71C, 258-263.
8. Jones, D.P., and S. Orrenius (1981). Reactions Related to Mono-oxygenase Functions in Isolated Mammalian Cells. In: Mitochondria and Microsomes. In honor of Professor Lars Ernster (C.P. Lee, G. Schatz, and G. Dallner, eds.), Addison-Wesley Publishing Company, Reading, pp 749-772.
9. Jones, D.P., and F.G. Kennedy (1983). Function of glutathione peroxidase in decomposition of H_2O_2 in isolated liver and heart cells. In: Functions of Glutathione--Biochemical, Physiological, and Toxicological Aspects. (A. Larsson, S. Orrenius, A. Holmgren, and S. Orrenius, eds.), Raven Press, New York, 109-116.
10. Orrenius, S., S.A. Jewell, G. Bellomo, H. Thor, D.P. Jones, and M.T. Smith (1983). The regulation of calcium compartmentation in the hepatocyte. A critical role of glutathione. In: Functions of Glutathione--Biochemical, Physiological, and Toxicological Aspects. (A. Larsson, S. Orrenius, A. Holmgren and S. Orrenius, eds.), Raven Press, New York, 261-271.
11. Jones, D.P., T.Y. Aw, and F.G. Kennedy (1983). Isolated hepatocytes as a model for the study of cellular hypoxia. In: Isolation, Characterization, and Use of Hepatocytes (R.A. Harris and N.W. Cornell, eds.). Elsevier Publishing Co., New York, NY, pp 323-332.
12. Lash, L.H., D.P. Jones, and S. Orrenius (1984). The renal thiol (glutathione) oxidase--subcellular localization and properties. *Biochim. Biophys. Acta*, 779, 191-200.
13. Jones, D.P. (1985). The role of oxygen concentration in oxidative stress: hypoxic and hyperoxic models. In: Oxidative Stress (H. Sies, ed.) Academic Press, New York, 151-195.
14. Jones, D.P. (1986). Renal metabolism during normoxia, hypoxia and ischemic injury. *Annu. Rev. Physiol.*, 48, 33-50.

15. Jones, D.P., F.G. Kennedy, B.S. Andersson, T.Y. Aw, and E. Wilson (1985). When is a mammalian cell hypoxic? Insights from studies of cells vs. mitochondria. *Mol. Physiol.*, 8, 473-482.
16. Aw, T.Y., B.S. Andersson, F.G. Kennedy, and D.P. Jones (1986). Intracellular O₂ supply to support mitochondrial function. In: Biochemical Aspects of Physical Exercise. (G. Benzi, L. Packer and N. Siliprandi, eds.) Elsevier, Amsterdam, 101-112.
17. Jones, D.P. (1986). Intracellular diffusion gradients of O₂ and ATP. *Am. J. Physiol.*, 250, C663-C675.
18. Tribble, D.L., T.Y. Aw, and D.P. Jones (1987). The pathophysiological significance of lipid peroxidation in oxidative cell injury. *Hepatology* 7, 377-387.
19. Lash, L.H., D.P. Jones, and M.W. Anders (1988). Glutathione homeostasis and glutathione S-conjugate toxicity in the kidney. *Rev. Biochem. Toxicol.* 9, 29-67.
20. Hagen, T.M., and D.P. Jones (1987). Transport of glutathione in intestine, kidney and lung. *Adv. Biosci.* 65, 107-114.
21. Jones, D.P., F.G. Kennedy, and T.Y. Aw (1988). Intracellular O₂ gradients and the distribution of mitochondria. In Hypoxia: The Tolerable Limits (J.R. Sutton, C.S. Houston and G. Coates, eds.), Benchmark Press, Indianapolis, 59-69.
22. Tribble, D.L., F.G. Kennedy, and D.P. Jones (1988). Contrasting features of peroxide metabolism in heart and liver. In: Free Radicals in Pathophysiology of Heart Disease (P.K. Singal, ed.), Martinus Nijhoff Publishing Co., Boston, pp 25-40.
23. Jones, D.P., and T.Y. Aw (1988). Mitochondrial distribution and O₂ gradients in mammalian cells. In: Microcompartmentation (D.P. Jones, ed.) CRC Press, Boca Raton, Florida, pp 37-53.
24. Aw, T.Y., and D.P. Jones (1988). Microzonation of ATP and pH in the aqueous cytoplasm of mammalian cells. In: Microcompartmentation (D.P. Jones, ed.) CRC Press, Boca Raton, Florida, pp 191-207.
25. Jones, D.P. (1988). New concepts of the molecular pathogenesis arising from hypoxia. In: Oxidases and Related Redox Systems (T.E. King, H.S. Mason and M. Morrison, eds.) New York pp 127-144.
26. Stevens, J.L., and D.P. Jones (1989). Mercapturate biosynthesis. In: Coenzymes and Cofactors (D. Dolphin, R. Poulson, O. Avramovic, eds.), John Wiley and Sons, New York pp 45-84.
27. Aw, T.Y., X. Shan, B.S. Andersson, and D.P. Jones (1988). Mitochondrial membrane potential and pH gradient in hypoxic hepatocytes: Characteristics of the neahypoxic state.

- In: Integration of Mitochondrial Function (J.J. Lemasters, C.R. Hackenbrock, R.G. Thurman and H.V. Westerhoff, eds.) Plenum Press, New York, 367-377.
28. Jones, D.P., and T.Y. Aw (1988). Microzonation of metabolism associated with mitochondrial distribution in cells. In: Integration of Mitochondrial Function (J.J. Lemasters, C.R. Hackenbrock, R.G. Thurman and H.V. Westerhoff, eds.) Plenum Press, New York, 637-642.
 29. Aw, T.Y., and D.P. Jones (1988). Succinate and oxygen dependence of mitochondrial functions in neonatal hepatocytes. In: Integration of Mitochondrial Function (J.J. Lemasters, C.R. Hackenbrock, R.G. Thurman, and H.V. Westerhoff, eds.) Plenum Press, New York, 445-450.
 30. Orrenius, S., D.J. McConkey, D.P. Jones, and P. Nicotera (1988). Ca^{2+} -Activated mechanisms in toxicity and programmed cell death, *ISI Atlas of Science: Pharmacology*, 319-324.
 31. Jones, D.P., T.Y. Aw, D.L. Tribble, and X. Shan (1989) t-Butylhydroperoxide (t-BuOOH) toxicity in hepatocytes during hypoxia and anoxia. *Adv. Biosci.*, 76, 13-19.
 32. Aw, T.Y., and D.P. Jones (1989). Nutrient supply and mitochondrial function. *Annu. Rev. Nutr.*, 9, 229-251.
 33. Nicotera, P., D.J. McConkey, J.M. Dypbukt, D.P. Jones, and S. Orrenius (1989). Ca^{2+} -Activated mechanisms in cell killing, *Drug Metabol. Rev.*, 20, 193-201.
 34. Nicotera, P., D.J. McConkey, J.M. Dypbukt, D.P. Jones, and S. Orrenius (1989). Role of Ca^{2+} -activated catabolic processes in cell killing, *Adv. Biosci.*, 76, 37-43.
 35. Jones, D.P., T.Y. Aw, and X. Shan (1989). Drug metabolism and toxicity during hypoxia, *Drug Metabol. Rev.*, 20, 247-260.
 36. Hagen, T.M., and D.P. Jones (1989). Role of glutathione in extrahepatic detoxication. In: Glutathione Centennial: Molecular and Clinical Implications (Y. Sakamoto, T. Higashi, N. Taniguchi and A. Meister, eds.) Academic Press, San Diego, pp 423-433.
 37. Jones, D.P., and T.Y. Aw (1990). Use of enzymes and transport systems as in situ probes of metabolite and ion gradients. In: Structural and Organizational Aspects of Metabolic Regulation (P. Srere, M.E. Jones, and C. Mathews, eds.) UCLA Symposia on Molecular and Cellular Biology, New Series, Vol. 134, Alan R. Liss, New York, pp 345-361.
 38. Jones, D.P., T.Y. Aw, X. Shan, and D.L. Tribble (1990). Characteristics of hypoxic cells that enhance their susceptibility to chemical injury. In: Selective Activation of Drugs by Redox Processes (G.E. Adams, Ed.). Plenum Press, New York, pp 1-9.

39. Shan, X., T.Y. Aw, and D.P. Jones (1990). Glutathione-dependent protection against oxidative injury. *Pharmacol. Ther.*, 47, 61-71.
40. Jones, D.P., T.Y. Aw, and A.H. Sillau (1990). Defining the resistance to oxygen transfer in tissue hypoxia, *Experientia* 46, 1180-1185.
41. Kehrer, J.P., D.P. Jones, J.J. Lemasters, J.L. Farber, and H. Jaeschke (1990). Mechanisms of hypoxic cell injury. *Toxicol. Appl. Pharmacol.* 106, 165-178.
42. Jones, D.P., T.Y. Aw, C. Bai, and A.H. Sillau (1991). Regulation of mitochondrial distribution: an adaptive response to changes in oxygen supply. In: Response and Adaptation to Hypoxia: Organ to Organelle (S. Lahiri, N.S. Cherniack, and R.S. Fitzgerald, eds.) Oxford University Press, New York pp. 25-35.
43. Aw, T.Y., and D.P. Jones (1991). Intracellular respiration. In: The Lung. Scientific Foundations, Vol. 2 (R.G. Crystal, J.B. West, P.J. Barnes, N.S. Cherniack and E.R. Weibel, eds.). Raven Press, New York, 1445-1453.
44. Park, Y., T.M. Devlin, J.A. Majde, and D.P. Jones (1991). Protective effect of tricalciphor during mitochondrial failure. *Renal Failure*, 14, 303-306.
45. Jones, D.P., X. Shan, and Y. Park (1992). Coordinated multisite regulation of cellular energy metabolism. *Annu. Rev. Nutr.*, 12, 327-343.
46. Jones, D.P. (1992) Bioavailability of Dietary Glutathione. In: Biological Free Radical Oxidations and Antioxidants, (F. Ursini and E. Cadenas, eds.), Cleup, University Publisher, Udine, Italy, 95-98.
47. Dahm, L.J., P.S. Samiec, J.W. Eley, E.W. Flagg, R.J. Coates, and D.P. Jones (1993). Utilization of oral glutathione. In: Free Radicals: From Basic Science to Medicine (G. Poli, E. Albano and M.U. Dianzani, eds.), Birkäuser Verlag, p. 506-523.
48. Aw, T.Y., C. Bai, and D.P. Jones (1993). Small intestinal enterocytes. *Meth. Toxicol.*, 1, 193-201.
49. Samiec, P S., L.J. Dahm, E.W. Flagg, R.J. Coates, J.W. Eley, and D.P. Jones (1993). Bioavailability of dietary glutathione, In: Free Radicals and Antioxidants in Nutrition, (F. Corongiu and C. Rice-Evans, eds.), Richelieu Press, 7, 269-285.
50. Jones, D.P. and L.H. Lash (1993). Introduction: Criteria for assessing normal and abnormal mitochondrial function. *Meth. Toxicol.* 2, 1-7.
51. Shan, X., M. Finkelstein, D.P. Jones, and M.W. Anders (1993). Experimental manipulation of mitochondrial glutathione concentrations. *Meth. Toxicol.*, 2, 227-234.
52. Park, Y., T.Y. Aw, and D.P. Jones (1994). ATP and other energetic parameters as indicators of cell injury. *Meth. Toxicol.* 1B, 140-151.

53. Corcoran, G.B., L. Fix, D.P. Jones, M. T. Moslen, P. Nicotera, F.A. Oberhammer, and R. Buttyan (1994). Apoptosis: molecular control point in toxicity. *Toxicol Appl Pharmacol.*, 128, 169-181.
54. Jones, D.P. (1994). Di-Calciphor-dependent protection against cell death due to mitochondrial failure. *In: Cell Biology of Trauma.* (J.J. Lemasters, C. Oliver, eds.) CRC Press, Boca Raton, Fl. 79-86.
55. Jones, D.P., L.A. Brown, and P. Sternberg (1995). Variability in glutathione-dependent detoxication in vivo and its relevance to detoxication of chemical mixtures. *Toxicology*, 105, 267-274.
56. Jones, D.P., V.E. Kagan, S.D. Aust, DJ. Reed, and S.T. Omaye (1995). Impact of nutrients on cellular lipid peroxidation and antioxidant defense system. *In: Fund. Appl. Toxicol.* 26, 1-7.
57. Jones, D.P. (1995). Mitochondrial dysfunction during anoxia and acute cell injury. *In: Molecular basis of disease. Biochim. Biophys. Acta*, 1271, 29-33.
58. Brown, L.A.S. and D.P. Jones (1995). The biology of ascorbic acid. *In: Handbook of Antioxidants.* (E. Cadenas and L. Packer, eds.), Marcel Dekker Inc. New York, 6, 117-154.
59. Jones, D.P. (1995). Oxygen conformance and Cellular Regulation. *In: Oxygen, Gene Expression and Cellular Function.* (D.J. Massaro and L. Clerch, eds.), Marcel Dekker Inc., New York. 49-65.
60. Jones, D.P. (1995). Glutathione Distribution in Natural Products: Absorption and tissue distribution. *In: Methods in Enzymology.* (L. Packer, ed.), Academic Press, Inc. New York, 252, 3-13.
61. Dahm, L.J. and D.P. Jones, (1996). Mechanisms of Chemically Induced Liver Disease. *In: Hepatology in Colon: A textbook of liver disease, 3rd edition.* (D. Zakim and T.D. Boyer, eds.) W.B. Saunders, Philadelphia, pp. 875-890.
62. Brown, L.A.S. and D.P. Jones (1996). Antioxidant action of vitamin C in the lung. *In: Antioxidants in Health and disease.* (E. Cadenas and L. Packer, eds.), Marcel Dekker Inc., New York. (In Press).
63. Lash, L.H. and D.P. Jones (1996). Mitochondrial toxicity in renal injury. *In: Methods in Renal Toxicology.* (R.K. Zalups and L.H. Lash, eds.), CRC Press, New York, 16, 299-329.
64. Smith, C.V., D.P. Jones, T.M. Guenther, L.H. Lash, and B.H. Lauterburg (1996). Compartmentation of glutathione. Implications for the Study of Toxicity and Disease. *Fund. Appl. Toxicol.* 140, 1-12.

65. Jones, D.P., and L.H. Lash (1996). Toxicologic and pathologic aspects of renal intermediary metabolism. In: Principals of Medical Cell Biology. (E.Bittar, editor), JAI Press.
66. Jones, D.P. (1996). Cellular energetics and the biochemistry of hypoxia. In: Tissue oxygen deprivation: Developmental, molecular and integrated function, (G. Lister and G.G. Haddad, eds.), Marcel Dekker, New York, 25-46.
67. Kurtz, J.C., D.P. Jones, P. Sternberg, M.W. Wu and T.W. Olsen (1996). Antioxidant functions of glutathione in human retinal pigment epithelium in relation to age-related macular degeneration. In: Retinal Pigment Epithelium and Macular Diseases, (F.C. Piccolino and G. Coscas, eds.), Kluwer Academic Publishers, Dordrecht, The Netherlands.
68. Wallace, K.B., J.T. Eells, V.M.C. Madeira, G. Cortopassi and D.P. Jones (1997). Mitochondria-mediated cell injury. *Fund. Appl. Toxicol.* 38, 23-37.
69. Cai, J., J. Yang and D.P. Jones. (1998). Mitochondrial control of apoptosis: the role of cytochrome c. *Biochim. Biophys. Acta.* 1366:139-149.
70. Ziegler, T.,R., C.F. Estívariz, C.R. Jonas, L.H. G.U., D.P. Jones, L.M. Leader (1999). Interactions between nutrients and peptide growth factors in intestinal growth, repair, and function. *Parenteral Enteral Nut.* 23:5174-5183.
71. Cai J., D.P. Jones (1999). Mitochondrial redox signaling during apoptosis. *J. Bioenergetics and Biomembranes* 31:327-334.
72. Samali, A., B. Zhivotovsky, D. Jones, S. Nagata and S. Orrenius (1999). Apoptosis: Cell death defined by caspase activation. *Cell Death Differ.* 6:495-496.
73. DeLong and D.P. Jones. (2000). Detoxification and protective functions. In: Nutrition: Biochemical and Physiological Bases of Human Nutrition. (M. Stipanuk, ed.), W.B. Saunders, New York, p.p. 901-916.
74. Cai J., K. Nelson, M. Wu, D.P. Jones, P. Sternberg, Jr. (2000). Oxidative damage and protection of the RPE. *Prog. Retin. Eye Res.* 19:205-221.
75. Watson, B., J. Cai, D.P. Jones (2000). Diet and apoptosis. *Annu. Rev. Nutr* 20:485-505.
76. Jones, D.P. (2000). Bioavailability of glutathione. In: Handbook of Antioxidants, (E. Cadenas and L. Packer, eds.), Marcel Dekker, New York, in press.
77. Jonas, C .R., C. L. Farrell, S. Scully, A. Eli, C. F. Estívariz, L. H. Gu, D. P. Jones, T. R. Ziegler (2000). Enteral Nutrition and Keratinocyte Growth Factor Regulate Expression of Glutathione-Related Enzyme Messenger RNAs in Rat Intestine. *J. Parenteral and Enteral Nutrition* 24:67-75.