

DAVID W. QUIG
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EDUCATION

Ph.D., Nutritional Biochemistry, University of Illinois, Urbana, IL, 1985
M.S., Nutritional Sciences, Virginia Tech, Blacksburg, VA, 1980
B.S., Human Nutrition and Foods, Virginia Tech, Blacksburg, VA, 1978

PROFESSIONAL EXPERIENCE

Doctor's Data, Inc., St. Charles, IL

1996 - present

Vice President, Scientific Support

- Consult with medical practitioners about the results of laboratory tests
- Plan and manage clinical studies pertaining to essential and toxic elements, gastrointestinal health and amino acid metabolism
- Develop new laboratory tests and educational materials to meet the needs of comprehensive healthcare practitioners

Burroughs Wellcome Company, Research Triangle Park, NC
Division of Pharmacology

1990-1996

Senior Cardiovascular Pharmacologist

- Discovered, and directed team efforts to develop a series of plant-derived, natural compounds which have antiatherosclerotic activity
- Earned Research Excellence Award for overall scientific contributions to the Division of Cardiovascular Pharmacology

Research Associate

- Designed, managed and performed pioneering studies on the nutritional regulation of a newly discovered atherogenic protein
- Awarded "Career Investigator Fellow" by the American Heart Association for research pertaining to nutrition and heart disease
- Presented papers at national meetings of the American Heart Association

VENUES OF INVITED LECTURES

- American College for the Advancement of Medicine, 2000-2008 (CME)
- American Academy of Environmental Medicine, 1998-2008 (CME)
- Institute of Functional Medicine 2007 (CME)
- Defeat Autism Now!, 2001-2007
- Mindd International Forum on Children, Australia 2007
- Autism One, 2007
- World Anti-aging and Regenerative Medicine (Tokyo) 2007
- American Academy of Anti-aging Medicine, 1998, 2006-2007
- International College of Integrative Medicine, 1998-2008
- Orthomolecular Health and Medicine, 1999, 2003, 2004, 2005
- International Association of Oral Medicine and Toxicology, 1998-2000, 2008
- American Association of Naturopathic Physicians, 1998, 2000, 2004, 2006 (CEC)
- IAACN, 2000, 2004, 2006 (CEC)
- International Oxidative Medicine Association, 1998-2001
- International Association of Oral Medicine and Toxicology, 1998-2000
- British Columbia Naturopathic Association, 2000, 2001, 2004 (CEC)
- Institut für Functional Medicine und Umweltmedizin, Bad Emstal, Germany, 2005
- Ontario Association of Naturopathic Physicians, 2000, 2006
- First World Congress on Nutrition and Vitamin Therapy, 1997
- Northwest Congress of Optometry, 1998
- Congresso Internacional de Medicina Ortomolecular e Radicais Livres, (Brazil), 1997, 1998
- International College of Advanced Longevity Medicine, 1998
- zum Thema Schwermetalle und Orthomolekulare Medizin, (Austria), 1998
- Collegium Humanum, World Congress on High Technology Medicine (Switzerland), 7/1997

Invited Participant: Agency for Toxic Substances and Disease Registry, Atlanta, Georgia (6/2001) "Hair Analysis: Exploring the State-of-the-Science"

Member, Autism Research Institute Think Tank (2002-2008)

Research Publications for David Quig, PhD

Quig, D.W., Filadei, M., Whitaker, J. "The acute effects of fast-push Ca-Na₂-EDTA on biliary/fecal and urinary excretion of toxic and essential elements." (In preparation).

Quig, D., Black, W. "Lack of effect of chlorella supplementation to enhance fecal excretion of mercury in healthy subjects with dental amalgams." (In preparation).

Adams, J.B., Holloway, C.E. and Quig, D.W. "Analyses of toxic metals and essential minerals in the hair of Arizona children with autism and associated conditions, and their mothers." *Biol. Trace Elem. Res.* 110(3):193-209, 2006.

Quig, D.W. "Chronic Metal Toxicity: Assessment of Exposure and Retention." In *Textbook of Natural Medicine*, ed. J.E. Pizzorno, Jr, Elsevier, 3rd edition, 2004

LeClair, J.A. and Quig, D.W. "Hair Lead and Cadmium Levels and Specific Depressive and Anxiety-Related Symptomology in Children." *J. Orthomolecular Med.* 18(2): 97-107, 2003

LeClair, J.A. and Quig, D.W. "Mineral Status, Toxic Metal Exposure and Children's Behavior." *J. Orthomolecular Med.* 16 (1): 13-32, 2001.

Quig, D.W., "Cysteine Metabolism and Metal Toxicity." *Altrn. Med. Rev.* 3 (4): 262-270, 1998.

Druyan, M.E., Bass, D., Puchyr, R., Urek, K. and Quig, D.W. "Determination of Reference Ranges for Elements in Human Scalp Hair." *Biol. Trace Ele. Res.* 62 (3): 183-197, 1998.

Puchyr, R., Bass, D., Urek, K., Quig, D.W., et al. "Preparation of hair for measurement of elements by inductively coupled plasma-mass spectrometry (ICP-MS)." *Biol. Trace Ele. Res.* 62 (3): 167-182, 1998.

Quig, D.W. "Heavy metals and the difficult to diagnose patient." *Internist* 4 (3): 11-13, 1997.

Quig, D.W., Arbeeny, C.M. and D.B. Zilversmit. "Effects of hyperlipidemias in hamsters on lipid transfer protein activity and unidirectional cholesteryl ester transfer in plasma." *Biochim. Biophys. Acta* 1083: 257-264, 1991.

Quig, D.W. and D.B. Zilversmit. "Plasma lipid transfer activities." *In Annu. Rev. Nutr.* 10:169-193, 1990.

Quig, D.W. and D.B. Zilversmit. "High density lipoprotein metabolism in a rabbit model of hyperalpha- lipoproteinemia." *Atherosclerosis* 76: 9-19, 1989.

Quig, D.W. and D.B. Zilversmit. "Dissociation between cholesterol secretion and plasma lipid transfer activity in rabbits." *FASEB J.* 2: 2712-2716, 1988.

Quig, D.W. and D.B. Zilversmit. "Plasma lipid transfer activity in rabbits: effects of dietary hyperlipidemias." *Atherosclerosis* 70: 263-271, 1988.

- Brown, C.M., Quig, D.W. and D.K. Layman. "Lipoprotein lipase activities in exercise-trained rats isocalorically fed high or low fat diets." *Nutr. Res.* 7: 1187-1195, 1987.
- Quig, D.W. and D.B. Zilversmit. "Disappearance and effects of exogenous lipid transfer activity in rats." *Biochim. Biophys. Acta.* 879: 171-178, 1986.
- Quig, D.W. and D.B. Zilversmit. "Parallel changes in plasma cholesterol and lipid transfer activity in pregnant rabbits." *Proc. Soc. Exp. Biol. Med.* 182: 386-392, 1986.
- Quig, D.W., Thye, F.W., Ritchey, S.J. and W.G. Herbert. "Effects of short-term aerobic conditioning and high cholesterol feeding on plasma total and lipoprotein cholesterol levels in sedentary young men." *Am. J. Clin. Nutr.* 38: 825-834, 1983.
- Quig, D.W., Layman, D.K., Bechtel, P.J. and L.R. Hackler. "Influence of starvation and refeeding on the lipoprotein lipase activities of skeletal muscle and adipose tissues of lean and obese Zucker rats." *J. Nutr.* 113: 1150-1156, 1983.
- Quig, D.W. and D.K. Layman. "Influence of exercise on food intake in male versus female rodents." *Amer. J. Clin. Nutr.* 37: 156-157, 1983.

Abstracts

- Quig, D.W., Bass, D., Urek, K. and West, B. "Manganese: Comparison of levels in various tissues in healthy subjects and patients." *Clin. Chem.* 44 (S6): A171, 1998.
- Quig, D.W. and Layman, D.K. "The physiological significance of changes in skeletal muscle lipoprotein Lipase activity." *Fed. Proc.* 44: 776, 1985.
- McKeith, F.K., Novakofski, J., Bechtel, P.J., Quig, D.W. and Layman, D.K. "Tissue composition of Fasted and refed Zucker rats." *Fed. Proc.* 44: 1985.
- Quig, D.W. and Layman, D.K. "Skeletal muscle and heart lipoprotein lipase activity during rest in Exercise trained rats." *Fed. Proc.* 43: 499, 1984.