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Engineering & Scientific Consulting

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Professional Profile

Dr. Arthur (“Artie”) Lawyer has over 35 years of experience steering environmental public policy and scientific initiatives on behalf of chemical companies. He specializes in helping clients with scientific and regulatory issues at the state government level, including California Proposition 65, pesticides, and hazardous materials.

Dr. Lawyer relies on his scientific background in biochemistry and human health, strong relationships with regulators at state and federal agencies, and deep knowledge of best business practices to assist companies developing compliance strategies.

He has managed teams to handle complex scientific issues that intersect with unique state regulatory and scientific policies. He also manages pesticide registrations for clients in all 50 U.S. states.

Dr. Lawyer works with companies who manufacture and distribute products that contain listed substances under Proposition 65 evaluate their product lines, categorize potential exposures, and appropriately warn consumers of risks. This includes developing a management plan and centralized system to store safety data sheets (SDS), identify manufacturers that need to amend their products’ statements under the Act, and sustainable compliance programs. For pesticide manufactures looking to commercialize agricultural-use products, Dr. Lawyer works to develop strategies that address unique scientific and regulatory nuances, prepare and submit applications to state agencies, and meet with regulators to discuss proposed action and intended uses.

Dr. Lawyer was previously the President and CEO of Technology Sciences Group, a global regulatory and scientific consulting firm. He holds a B.S. in Physics from UC Davis, and a M.Phil and Ph.D. in Molecular Biophysics and Biochemistry from Yale University.

Academic Credentials & Professional Honors

Ph.D., Molecular Biophysics and Biochemistry, Yale University, 1979

M.Phil., Molecular Biophysics and Biochemistry, Yale University, 1977

B.S., Biological Physics, University of California, Davis, 1975

Rockefeller Foundation Postdoctoral Fellowship, University of California, Berkeley Calvin Laboratory, Lawrence Berkeley Laboratories, 1979-1981

National Science Foundation, National Needs Postdoctoral Fellowship, 1979

U.S. Public Health Service, National Research Service Award, 1975

California Society of Biochemistry Scholarship, 1974

Outstanding Member Award, Western Agricultural Chemicals Association, 1988

Prior Experience

Senior Advisor, Dentons US, LLP. 2017-2018

President and CEO, Technology Sciences Group Inc. (TSG). 2009-2017

Managing Director and Vice President, TSG. 1997-2009

Managing Director, Technology Sciences (Europe), Ltd. (TSGE). 2006-2011

Vice President, Director State Affairs Division, TSG. 1993-1997

Director, State Affairs Division, TSG. 1991-1993

Deputy Campaign Director, No on 128 ("Big Green"). 1990

Senior Project Manager, Valent USA Corporation. 1990

Manager, State Government Affairs, Valent USA Corporation. 1989-1990

Senior State Regulatory Specialist, Valent USA Corporation & Chevron Chemical Company, 1987-1989

Regulatory Specialist - State Liaison, Chevron Chemical Company. 1986-1987

Research Biochemist - Biotechnology Group, Chevron Chemical Company. 1981-1986

Professional Affiliations

Member, Governor's Committee on Comparative Risk in California, 1994

External Advisory Group Member, Environmental Protection Indicators for California (EPIC), 2001

Advisory Panel Member, Quality and Role of Science at Cal-EPA. 2007

Member, Consumer Specialty Products Association (CSPA) State Government Affairs Advisory Committee. 2004-Present

Member of the Board, CSPA Antimicrobials Division, 2007-2015

Chair, Western Crop Protection Association (WCPA) Regulatory Task Force, 1992-2014

Chairman, Environmental Initiative Task Force, Western Agricultural Chemicals Association (WACA), 1989-1990

Chairman, Environmental Initiative Task Force, Western Agricultural Chemicals Association (WACA), 1989-1990

Chairman, Government Affairs Committee and California Representatives Committee, WACA, 1988-1990

Chairman, Regulatory Affairs Committee, WACA, 1988-1989

Chairman, Proposition 65 Task Forces, WACA and National Agricultural Chemicals Association (NACA). 1987-1990

Publications

Lawyer AL, Zelitch I. Inhibition of glutamate:glyoxylate aminotransferase in tobacco leaves and callus by glycidate, an inhibitor of photorespiration. *Plant Physiology* 1978; 61:242-247.

Zelitch I, Berlyn MB, Oliver DJ, Lawyer AL. The biochemical and genetic regulation of photorespiration as a means of increasing net photosynthesis. In *Proceedings of the Second Latin American Botanical Congress*, University of Brazil, 1978.

Lawyer AL, Zelitch I. Inhibition of glycine decarboxylation and serine formation in tobacco by glycine hydroxamate and its effect on photorespiratory carbon flow. *Plant Physiology* 1979; 64:706-711.

Lawyer AL. The biochemical and genetic regulation of photorespiration: effects of glycidate and glycine hydroxamate. Ph.D. Thesis, Yale University, New Haven, CT, 1979.

Lawyer AL, Berlyn MB, Zelitch I. Isolation and characterization of glycine hydroxamate-resistant cell lines of *Nicotiana tabacum*. *Plant Physiology*, 1980; 66:334-341.

Bassham JA, Larsen PO, Lawyer AL, Cornwell KL. Relationships between nitrogen metabolism and photosynthesis. In *The Physiology and Biochemistry of Plant Productivity*, JD Bewley, Ed, Martinus Nijhoff Publications, the Hague, Netherlands, pp. 135-163, 1980

Lawyer AL, Grady KL, Bassham JA. Intracellular concentrations and metabolism of carbon compounds in tobacco callus cultures: Effects of light and auxin. *Plant Physiology* 1981; 68:857-864.

Lawyer AL, Cornwell KL, Larsen PO, Bassham JA. Effects of carbon dioxide and oxygen on the regulation of photosynthetic carbon metabolism by ammonia in spinach mesophyll cells. *Plant Physiology* 1981; 68:1231-1236.

Lawyer AL, Cornwell KL, Gee SL, Bassham A. Effect of glycine hydroxamate, carbon dioxide, and oxygen on photorespiratory carbon and nitrogen metabolism in spinach mesophyll cells. *Plant Physiology* 1982; 69:1136-1139.

Lawyer AL, Cornwell KI, Gee SL, Bassham JA. Glyoxylate and glutamate effects on photosynthetic carbon metabolism in isolated chloroplasts and mesophyll cells of spinach. *Plant Physiology* 1983; 72:420-425.

Bishop KC, Lawyer AL. Proposal for Determining the Potential of Agricultural Chemicals to Contaminate Groundwater. *Toxic Substances in Agricultural Water Supply and Drainage*, 1987.

Search for Solutions, JB Summers, SS Anderson (eds.), US Committee on Irrigation and Drainage, Denver, CO, Pg. 143-147.