

ALEX VECCHIO
ORGANIC SUPERVISOR

Education B.S., Chemistry
State University of New York College at Cortland

Experience
2008-Present

Galson Laboratories

ORGANIC SUPERVISOR

Responsible for reviewing instrument data and reports for validity and quality. Responsible for ensuring that preventive maintenance is performed on all equipment and that annual instrument balance and certification is performed. Responsible for evaluating processes and for investigating ways to improve quality and efficiency. Responsible for communicating daily with staff regarding work requirements and for addressing any relevant staff or client issues. Responsible for the development of analytical methods and desorption efficiency studies. Responsible for producing a cost justification for all capital purchase requests. Responsible for scheduling training when appropriate. Other duties as assigned.

2001-2007

Bristol-Myers Squibb Company, *Analytical Development*, Syracuse, NY
SENIOR SCIENTIST I

Supervised departmental laboratory analysts in the development and validation of High Pressure Liquid Chromatography (HPLC) and Gas Chromatography (GC) analytical methods for the analysis of pharmaceutical intermediates, active pharmaceutical ingredients (API) and finished products supporting worldwide quality control (QC) and technical operations.

Coordinated and supervised the daily technical operations of laboratory analysts ensuring adherence to FDA regulatory and cGMP/GLP requirements.

Provided analytical instrumentation/software training and troubleshooting to analytical support personnel in research and QC laboratories. Performed instrument maintenance, calibrations and qualifications adhering to departmental and corporate SOPs.

Responsible for review and approval of analytical data, instrumentation log and calibration notebooks and scientific reports submitted from

laboratory analysts ensuring validity of data and compliance to method requirements.

Prepared analytical method validation and technology transfer protocols and reports to support chemical development projects, Quality Control (QC) and third party product transfers.

Provided analytical instrumentation and method troubleshooting to QC/QA management for laboratory investigations of out of specification (OOS) and non-conforming test results.

Provided direct technical support of global operations that included technology and instrumentation transfer to overseas operations and conducted research studies into corporate complaint investigations.

Technically experienced in GC and spectrophotometric techniques with extensive experience in HPLC involving isocratic and gradient reverse phase, normal phase, chiral and ion chromatographic HPLC. Fully experienced in UV-Photodiode Array, Refractive Index, Conductivity, Electrochemical, Florescence and Evaporative Light Scattering detection techniques.

1992 –2001

Bristol-Myers Squibb Company, *World Wide Technical Services,*

Syracuse, NY

SCIENTIST I

Developed and validated over 60 HPLC analytical methods for the analysis of pharmaceutical raw materials, intermediates, bulk and finished products for quality control, stability and regulatory filings.

Planned and assigned the daily workload of departmental personnel. Directly responsible for data review and approval, training and supervision of several laboratory analysts.

Performed laboratory qualifications and provided HPLC and GC chromatographic instrumentation and analytical support to worldwide technical operations and Quality Control.

1986-1992

Allied Signal Corp., *Syracuse Research Laboratory, Water Treatment Chemicals Division,* Solvay, NY

RESEARCH CHEMIST

Developed HPLC and Size Exclusion Chromatography (SEC) analytical methods for the analysis of ionic and non-ionic water treatment monomers and polymers for use in research, pilot plant and manufacturing facilities.

Developed HPLC methods for identification of analytes by Thermospray and Atmospheric Pressure Chemical Ionization Liquid Chromatography - Mass Spectrometry (LC-MS).

Trained and supervised research and pilot plant chemists on HPLC method development, qualitative and quantitative analysis and instrumentation/software operation.

Provided HPLC chromatographic instrumental assistance and troubleshooting to research and manufacturing chemists.

1982-1986

Cornell University, *Institute of Food Science*, Ithaca, NY
RESEARCH ASSOCIATE

Developed HPLC, GC and GC/MS analytical methods for the detection of trace levels of N-nitrosamines and N-nitrosoamino acids in biological, food and environmental matrices. Examined the chemistry of formation and inhibition of endogenously formed N-nitroso compounds in animals and humans.

Supervised undergraduate and graduate research personnel in the qualitative and quantitative analysis of N-nitrosoamines.

Served as chairman of the Food Science Life Safety Committee.
Implemented departmental policy for safe laboratory practices and EPA disposal of chemical wastes.

Publications

- 1) Hotchkiss, J.H. and Vecchio, A.J. 1983. Analysis of direct contact paper and paperboard food packaging for N-nitrosomorpholine and morpholine. *J. Food Science*, 48:240-242.
- 2) Babish, J.G., Hotchkiss, J.H., Wachs, T., Vecchio, A.J., Gutenmann, W.H., Lisk, D.J. 1983. N-nitrosamines and mutagens in rubber nursing nipples. *J. Toxicology and Environmental Health*, 11:167.
- 3) Hotchkiss, J.H., Vecchio, A.J., Ross, H.D. 1985. N-nitrosamine formation in fried out bacon fat: Evidence for nitrosation by lipid bound nitrite. *J. Agricultural and Food Chemistry*, 33:5-8.
- 4) Hotchkiss, J.H., Vecchio, A.J. 1985. Nitrosamines in fried out bacon fat and its use as cooking oil. *J. Food Technology*, 39(1) 67-73.

5) Vecchio, A.J., Hotchkiss, J.H., Bisogni, C.A. 1985. Ingestion of N-nitrosamines from fried bacon: A consumer survey. *J. Food Science*, 51:754-756.

6) Dull, B.J., Hotchkiss, J.H., Vecchio, A.J. 1986. Basal N-nitrosoproline formation and excretion in the ferret. *Food and Chemical Toxicology*, 24:843-845.

7) Leaf, C.D., Vecchio, A.J., Hotchkiss, J.H. 1987. Influence of ascorbic acid dose on N-nitrosoproline formation in humans. *Carcinogenesis*, Jun, 8(6):791-5.

Abstracts-Presentations

1) Ross, H.D., Henion, J., Vecchio, A.J., Hotchkiss, J.H. 1985. Reaction between oxides of nitrogen and methyl oleate: Product identification and N-nitrosation capability. Conference on organic and biological chemistry of carcinogenic and carcinostatic agents containing nitrogen-nitrogen bonds. National Cancer Institute (NCI). May 17-21, 1985.

2) Leaf, C.D., Vecchio, A.J., Roe, D.A., Hotchkiss, J.H. 1986. Relationship between ascorbic acid dose and N-nitrosoproline excretion in humans on controlled diets. IARC-International Agency for Research on Cancer, September 1-5, 1986.

Professional Coursework

Analytical Methods Validation for FDA Compliance, the Center for Professional Advancement Montreux Symposium: Liquid Chromatography-Mass Spectrometry Short Course
Empower Software Training-2996 PDA