

## DALE SCHOENER

LCMS SCIENTIFIC DIRECTOR

### PROFILE



### OBJECTIVE / ABOUT

Dale is a LCMS professional who is passionate about developing rugged bioanalytical LCMS assays and new LC-MS/MS methods. He also enjoys mentoring laboratory scientists in the pharmaceutical industry.

### PUBLICATIONS

Abstracts: 25

Publications: 2

### EXPERIENCE

#### **LCMS Scientific Director • Intertek Pharmaceutical Services • 2009 - Present**

Oversees bioanalytical LC-MS/MS method development. Interacts with and supports principal investigators, senior scientists and chemists during assay development, validations, and study sample analysis. Reviews and signs off bioanalytical procedures, SOPs, and validation reports. Implements new technologies. Trains laboratory scientists. Mentors and supervises others. Develops and validates small and large molecule assays, protein binding, and metabolite ID.

#### **Associate Director of Method Development / Principal Scientist • Alta Analytical Laboratory • 2004 - 2009**

Developed bioanalytical LC-MS/MS methods for the support of validations and GLP analysis. Conducted validations. Supported other scientists in validation and sample analysis activities. Implemented new technologies.

#### **Principal Investigator (Bioanalytical Department) • Quest Pharmaceutical Services • 2002 - 2004**

Developed and validated sensitive and high throughput LC-MS/MS assays for pharmacokinetic assessment. Set up and maintained complex instrumentation. Researched literature and external sources and identified new techniques and protocols that enhanced research capabilities. Supervised individuals.

#### **Senior Staff Scientist • DuPont Pharmaceutical • 1998 - 2001**

Conducted pharmacokinetic/toxicokinetic studies. Performed LC/MS, LC/UV, and LC/radiochemical assays in a GLP environment and drug protein-binding determination. Custodian for LC/MS, LC/radiochemical and liquid scintillation equipment. Supervised and trained numerous individuals in the use of LC/MS equipment and drug protein binding determination. Wrote numerous assay method procedures, SOPs and PK/TK reports. Developed assay methods. Completed mass spectrometer software validation.



## PATENTS

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Schoener D., Parkin G.  
Method and Composition for  
Testing Blood for Hemoglobin  
S that Incorporates Mineral  
Oil as an Insoluble Upper  
Phase. U.S Patent 5,514,592,  
1996.

### **Graduate Student (Chemistry) • Villanova University • 1995 - 1998**

Research involved preparation and characterization by electrospray ionization mass spectrometry (ESI/MS) a series of nitrosyliron dithiocarbamates as a first step in developing a method to quantitate biological nitric oxide by ESI/MS. Additional research included preparation and characterization of a series of substituted iron (III) dithiocarbamates and other transition metal dithiocarbamates by ESI/MS. Worked as a teaching assistant for organic chemistry labs. Searched STN databases for the chemistry department.

### **QC Laboratory Manager • Integra Life Sciences / West Chester Site (Medicus Technologies) • 1994 - 1995**

Extracted collagen from animal sources and made wound healing devices from the collagen.

### **QC Laboratory Director/Associate • BHP Diagnostics • 1981 - 1994**

Managed an efficient and dependable analytical laboratory. Wrote numerous SOPs. Implemented new analytical procedures. Initiated accelerated aging and shelf life stability studies. In the product development and improvement area, developed calibration sera for a clinical chemistry analyzer. Improved stability of the enzyme CPK. Developed a procedure to measure low levels of a clarifying agent used in the processing of sera. Improved triglyceride reagent. Worked on the development of a breath alcohol test and developed visual comparators for the test. Developed a process to purify commercial grade saponin and improved a solubility test for Hemoglobin S. In the manufacturing area, initiated clean room and autoclave validations. Assisted in lyophilizer validation. Assembled retrospective validation of manufacturing procedures. Managed the enzymes used in manufacturing. Participated in clean room operations and lyophilization.

## EDUCATION / PROFESSIONAL ACCREDITATIONS

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**Master of Science in Chemistry • 1998 • Villanova University • Villanova, PA**

**Master of Science in Clinical Chemistry • 1981 • Hahnemann Medical College • Philadelphia, PA**

**Advanced Chemistry Courses • 1979 • Albright College • Reading, PA**

**Bachelor of Liberal Arts & Sciences in Biology • 1978 • Susquehanna University • Selingsgrove, PA**

