

**George M. St. George**  
**Scientist and Quality System Manager**  
georgestgeorge@isotherapeutics.com

**Education**

1982                      Ph.D., Inorganic Chemistry, University of Illinois, IL  
1976                      S.B., Chemistry, Massachusetts Institute of Technology

**Experience**

**IsoTherapeutics Group, LLC**

2010 –                      Quality System Manager  
2008 –                      Scientist

**The Dow Chemical Company, Freeport, TX 1982-2006**

2000 - 2008              Senior Research Specialist  
Responsible for providing plant support and early involvement in new product and process development. This involved the scale up of processes from the laboratory to the manufacturing plant.

1989 – 2000              Project Leader  
Responsible for conducting laboratory research and development to support product improvement and new product lines for a global chemical manufacturing company.

1981 – 1989              Senior Research Chemist  
Responsible for laboratory research and development to obtain the synthesis and scale up of new monomers.

**Publications**

Shapley, JR, St. George, GM, Churchill, MR, and Hollander, FJ, "Structural studies on polynuclear osmium carbonyl hydrides. 23. Vibrational study and crystal structure of ( $\mu$ -hydrido)( $\mu$ -formato)decacarbonyltriosmium ( $\mu$ -H)( $\mu$ -O<sub>2</sub>CH)Os<sub>3</sub>(CO)<sub>10</sub>" *Inorg. Chem.*, **21**, 3295 (1982)

Shapley, JR, Cree-Uchiyama, ME, St. George, GM, Churchill, MR, and Bueno, C, "Synthesis and Reactivity of a 'Semi' Triply Bridging Methylidyne Complex. Crystal Structure of HO<sub>3</sub>(CO)<sub>10</sub>(CH)" *J. Am. Chem. Soc.*, **105**, 140 (1983).

Shapley, JR, Strickland, DS, St. George, GM, Churchill, MR, and Bueno, C, "Coupling of methylidyne and carbonyl ligands on the triosmium cluster framework. Crystal structure of ( $\mu$ -H)<sub>2</sub>Os<sub>3</sub>(CO)<sub>9</sub>( $\mu_3$ - $\eta_1$ -CCO)" *Organometallics*, **2**, 185 (1983).

Cree-Uchiyama, M, Shapley, JR, and St. George, GM, "HO<sub>3</sub>(CO)<sub>10</sub>(C<sub>2</sub>H<sub>5</sub>): An Alkyl Complex with Observable  $\alpha,\beta$ , and Reductive Elimination Processes," *J. Am. Chem. Soc.*, **108**, 1316 (1986).

St. George, GM, Chiang, CC, and Wilson, DA, "Pure Metal Chelate Solutions by Ion Exchange," *Ind. Eng. Chem. Res.*, **47**, 1277 (2008.)

### **Patents**

4,724,267	"New haloacyl aromatic monomers via a coupling reaction"
4,992,151	"Method for the selective alpha halogenation of alkylaromatic compounds"
5,064,518	"Method for the selective alpha halogenation of alkylaromatic compounds"
5,717,123	"Process for the preparation of ferric chelate solutions of alkali metal polyamino succinic acids"
5,731,468	"Preparation of disodium ethylenediamine-N,N'-disuccinate"
5,763,634	"Process for the preparation of ferric chelate solutions of alkali metal polyamino succinic acids"
5,898,078	"Preparation of ferric aminopolycarboxylate solutions having improved stability"
5,900,499	"Preparation of aminopolycarboxylate-ferric solutions with improved long-term stability"
6,177,581	"Mixed-metal chelates and process for the preparation thereof"

### **Professional Organizations**

American Chemical Society  
Brazosport Section Offices, Director, Treasurer, Historian and Publicity Chairman