



## Alden E. Voelker, Ph.D.

Patent Agent

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Alden E. Voelker, Ph.D. focuses his practice on patent prosecution for clients in the chemical sciences industry.

### Practices

- Patent Prosecution

### Industries

- Chemical Sciences

### Representative Experience

Dr. Voelker has experience in wide variety of chemical sciences, including:

- Synthetic organic chemistry
- Surface chemistry and microarray fabrication
- Biochemistry, including protein chemistry and enzymology
- Biofuels

### Background and Credentials

Prior to joining Marshall Gerstein, Dr. Voelker prepared and prosecuted patent applications in the chemical and pharmaceutical arts, with emphases on small molecules, drug conjugates, and organic and organometallic chemistry. In addition, he was a postdoctoral research associate in the biochemistry department at the University of Wisconsin-Madison.

Dr. Voelker received his Ph.D. in chemistry from Case Western Reserve University and his Sc.B. from Brown University in chemistry and French.

## Education

- Case Western Reserve University (Ph.D.)
  - Chemistry
- Brown University (Sc.B., *with honors*)
  - Chemistry
  - French

## Bar Admissions

- U.S. Patent and Trademark Office

## Publications and Presentations

- **Voelker, A. E.**; Viswanathan, R. "Self-Catalyzed Immobilization of GST-Fusion Proteins for Genome-Encoded Biochips", *Bioconjugate Chemistry*, **2013**, 24 (8), 1295-1301.
- **Voelker, A. E.**; Viswanathan, R. "Synthesis of a Suite of Bioorthogonal GST Substrates and Their Enzymatic Incorporation for Protein Immobilization," *The Journal of Organic Chemistry*, **2013**, 78 (19), 9647-9658.
- **Voelker, A.E.**; Viswanathan, R. "Directed protein microarray fabrication for lab-on-a-chip applications", Meeting in Miniature, American Chemical Society, Cleveland Section, John Carroll University, University Heights, OH, March 13, 2013.
- **Voelker, A.E.**; Viswanathan, R. "Directed peptide microarray fabrication for lab-on-a-chip applications", Abstracts of Papers, 244<sup>th</sup> ACS National Meeting & Exposition, Philadelphia, PA, August 19-23, 2012 (2012), ORGN-17.
- **Voelker, A.E.**; Viswanathan, R. "Small Molecule Microarray Fabrication for Lab-on-a-Chip Applications", Chemistry Graduate Student Symposium, University at Buffalo, State University of New York, Buffalo, NY, May 16-18, 2012.

## Community and Professional Involvement

- Boston Patent Law Association
- American Chemical Society
- CWRU Department of Chemistry Undergraduate Affairs Committee