

Expert Witness Profile for Kyle L. Kimmel

(559) 940-0615 – kylekchem@gmail.com

PO Box #248, San Marcos, CA 92079

About

Expert background in laboratory research, organic chemistry and pharmaceutical development.

Contact and Availability

Email: kylekchem@gmail.com

LinkedIn: [linkedin.com/in/kyle-l-kimmel-ph-d-mba-32953345](https://www.linkedin.com/in/kyle-l-kimmel-ph-d-mba-32953345)

Availability: M-F 9am-6pm PT

Travel: available for domestic travel

Rate: \$200/h

Expertise

Expert in organic chemistry and drug development with excellent analytical and communication skills. Expert knowledge in chemistry is applicable to patent law and forensic investigation. Specific areas of application include organic synthesis, medicinal and process chemistry, chemical synthesis and manufacturing, chemical reaction mechanisms, chemical analysis methods and interpretation, laboratory setup and instrumentation, chemical properties, reactivity, and composition of matter.

Professional Experience

Chief Executive Officer & Co-Founder

Scaled Solutions Technologies LLC

February 2020-Present

San Marcos, CA 92079

Established start-up company to develop and deploy new laboratory tracking technology; oversees business development, strategic and financial planning, market analysis, product development and operations.

Business Development Manager

Averica Discovery Services, Inc.

May 2018-February 2020

(Remote) Marlborough, MA 01752

Generated leads and capitalized on valuable business opportunities to bring in company revenue and enhance customer relations.

Sr Manager, Product Development-API Chemistry

Intercept Pharmaceuticals, Inc.

May 2017-March 2018

San Diego, CA 92121

Provided technical oversight for chemistry projects including synthesis, chemical development and manufacture.

Scientist

2012-2017

Dart Neuroscience LLC

San Diego, CA 92131

Lead chemist and project manager for an early phase development program. Performed process research for lead compounds.

Education

M.B.A.: Fully Employed MBA Program at CSU San Marcos, CA [2020]

Ph.D., Organic Chemistry: Yale University, New Haven, CT / University of California, Berkeley, CA [2012]

B.S., Chemistry: University of California, Irvine, CA [2007]

Patents and Publications

1. Anson, J. D.; Kimmel, K. L.; Lugo III, T. M.; Smith, J. P. "Improvements to Inventory Management Systems and Related Methods." USPTO utility patent application filed August 20, 2020.
2. Liu, Jing; Kimmel, Kyle; Dao, Kimkim; Liu, Yang; Qi, Ming. "Identification and Elimination of an Unexpected Catalyst Poison in Suzuki Coupling." *Org. Process Res. Dev.* **2018**, *22*, 111.
3. Kimmel, K. L.; Robak, M. T.; Thomas, S.; Lee, M.; Ellman, J. A. "Enantio- and Diastereoselective Addition of Thioacetic Acid to Nitroalkenes via N-Sulfinyl Urea Catalysis." *Tetrahedron* **2012**, *68*, 2704.
4. Kimmel, K. L.; Weaver, J. D.; Ellman, J. A. "Enantio- and Diastereoselective Addition of Cyclohexyl Meldrum's Acid to β - and α,β -Disubstituted Nitroalkenes via N-Sulfinyl Urea Catalysis." *Chem. Sci.* **2012**, *3*, 121.
5. Kimmel, K. L.; Robak, M. T.; Ellman, J. A. "Enantioselective Addition of Thioacetic Acid to Nitroalkenes via N-Sulfinyl Urea Organocatalysis." *J. Am. Chem. Soc.* **2009**, *131*, 8754.
6. Turlington, M.; Pu, L. Kimmel, K. L.; Ellman, J. A. "Preparation of (S)-3,3'-Bis-morpholinomethyl- 5,5',6,6',7,7',8,8'- octahydro-1,1'-bi-2-naphthol." *Org. Synth.* **2010**, *87*, 59. [checked procedure]
7. Debardinis, A.; Turlington, M.; Pu, L.; Kimmel, K. L.; Ellman, J. A. "Catalytic Asymmetric Addition of an in-situ prepared Aryl-Zinc to Cyclohexanecarboxaldehyde: (+)-a-Cyclohexyl-3-methoxy-benzenemethanol." *Org. Synth.* **2010**, *87*, 68. [checked procedure]
8. Kim, A. I.; Kimmel, K. L.; Romero, A.; Smitrovich, J. H.; Woerpel, K. A. "Mechanistic Studies of the Allylic Rearrangements of α -Siloxy Allylic Silanes to Siloxy Vinylic Silanes." *J. Org. Chem.* **2007**, *72*, 6595.

Presentations, Conferences and Training Courses

1. Kimmel, K. L. "Deeper Visibility in Lab Inventory." *Founders Live San Diego Virtual Pitch Competition.* August 11, 2021. San Diego, CA.

2. Kimmel, K. L. SST RealTime Platform Exhibition. *Biotech Vendor Services, Inc. Biotech Community Event*. June 29, **2021**. San Diego, CA.
3. Kimmel, K. L.; Anson, J. D.; Lugo, T. M.; Smith, J. P.; MacArevey-Colello, K. E. "Lab Inventory Automation." *TCI-SST RealTime Platform Demonstration Event*. November 19, **2020**. San Diego, CA.
4. Awarded Certificate of Completion by the San Diego & Imperial Valley Small Business Development Center for the 8-week interactive "Lean Essentials Sprint" course for entrepreneurs. November 9, **2020**. San Diego, CA.
5. Attended and actively participated in the CfPIE-sponsored training course "Good Manufacturing Practices (cGMP)." September 27-29, **2016**. Los Angeles, CA.
6. Attended and actively participated in the Scientific Update-sponsored training course "Chemical Development & Scale-Up in the Fine Chemical & Pharmaceuticals Industries." March 4-6, **2015**. San Francisco, CA.
7. Kimmel, K. L.; Weaver, J. D.; Robak, M. T.; Thomas, S.; Ellman, J. A. "Enantio- and Diastereoselective Addition of Cyclohexyl Meldrum's Acid to Nitroalkenes via *N*-Sulfinyl Urea Organocatalysis." *Abbott Scholars Symposium*, August 30, **2011**. Abbott Corporate Headquarters, Abbott Park, IL.
8. Kimmel, K. L.; Robak, T. M.; Thomas, S.; Ellman, J. A. "Enantioselective Addition of Thioacetic Acid to Nitroalkenes via *N*-Sulfinyl Organocatalysis." *American Chemical Society, National Conference*, March, **2010**. San Francisco, CA.
9. Kimmel, K. L.; Romero, T.; Woerpel, K. A. "Mechanistic Studies of Allylsilane Rearrangement." *Honors Undergraduate Research Thesis Presentation*, June **2007**, UC Irvine.

Honors and Awards

CSUSM Featured Alumni

2021

Interviewed and publicly featured on LinkedIn and Instagram social media outlets as a CSU San Marcos MBA "Alumni Success Story." The story includes SST company background, interview highlights and a feature photo.

<https://www.linkedin.com/feed/update/urn:li:activity:6831278408136241152/>

Abbott Scholar

2011

Selected as one of 19 graduate student researchers nationally to receive the 2011 Abbott Scholar Award and invited to attend and present research at the annual Abbott Scholars Symposium at Abbott headquarters in North Chicago.

SURP Fellow

2006 & 2007

Awarded two consecutive summers with the UC Irvine Summer Undergraduate Research Program (SURP) Fellowship - a UC-Irvine-sponsored scholarship for summer research which culminates in a late-summer symposium and research presentation.