

Jennifer L. Giel, PhD, CMPP

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Summary

Medical writer with extensive experience in written and oral biomedical communication and strong research science background. Enjoys learning new therapeutic areas. Adept at balancing multiple simultaneous projects and deadlines. Key strengths include critical thinking, problem-solving, and data interpretation.

Professional and Research Experience

Sterling Biomedical Communications, LLC, Havertown, PA

Founder and medical writer, 2016-present

- Providing writing, editing, and competitive intelligence services to medical communication agencies and pharmaceutical companies

Envision Pharma, Inc., Philadelphia, PA

Senior Medical Writer, 2009-2015

- Wrote and edited manuscripts, abstracts, and posters reporting clinical trial data over a variety of therapeutic areas
- Performed competitive intelligence projects, including literature analyses, clinical trial monitoring, and citation reports
- Presented independent research project on clinical trial reporting at the 7th Annual Meeting of the International Society for Medical Publication Professionals

JAM Post, Renton, WA

Editor, 2009, 2016-present

- Editing scientific manuscripts for Japanese researchers for clarity and grammar

University of Pennsylvania School of Medicine, Philadelphia, PA

Postdoctoral Researcher, 2007-2009

- Independently pioneered new project in lab: investigated host signals that affect spore germination of the pathogen *Clostridium difficile*

Becton-Dickinson Technologies, Research Triangle Park, NC

Research Intern, 2002

- Developed fluorescent protein fusions to glucose-galactose binding protein for use as a continuous glucose sensor for diabetes patients
- Resulted in authorship on a patent application

Parke-Davis, Ann Arbor, MI

Intern, 1999

- Gathered information for a drug discovery project
- Digitized 3000 two-dimensional gel images for a computer database

Education

University of Wisconsin, Madison, WI

- PhD in Microbiology, 2007
- Fellow in NIH Biotechnology Training Program

University of Michigan, Ann Arbor, MI

- BS in Microbiology with High Honors, 1999
- Senior honors thesis
- Received academic scholarships all 4 years

Certificates/certifications

- Essential Skills medical writing certificate
- Certified Medical Publication Professional (CMPP) credential

Affiliations

- International Society for Medical Publication Professionals, 2010-present
- American Medical Writers Association, 2009-present
- American Society for Microbiology, 1999-2009
- Penn Biotech Group, 2007-2009

Publications (as an author)

- Defazio G, Jankovic J, **Giel JL**, Papapetropoulos S. Descriptive epidemiology of cervical dystonia. *Tremor Other Hyperkinet Mov (N Y)*. 2013;3.
- **Giel JL**, Nesbit AD, Mettert EL, Fleischhacker AS, Wanta BT, Kiley PJ. Regulation of iron-sulphur cluster homeostasis through transcriptional control of the Isc pathway by [2Fe-2S]-IscR in *Escherichia coli*. *Mol Microbiol*. 2013;87(3):478-92.
- Agulnik M, **Giel JL**. Understanding rechallenge and resistance in the tyrosine kinase inhibitor era: imatinib in gastrointestinal stromal tumor. *Am J Clin Oncol*. 2014;37(4):417-22.
- **Giel JL**, Sorg JA, Sonenshein AL, Zhu J. Metabolism of bile salts in mice influences spore germination in *Clostridium difficile*. *PLoS One*. 2010;5(1):e8740.
- Nesbit AD, **Giel JL**, Kiley PJ. Characterization of the *in vivo* and *in vitro* binding of apo-IscR to the Type 2 class of promoters from *Escherichia coli*. *J Mol Biol*. 2009;387(1):28-41.
- Yang M, **Giel JL**, Cai T, Zhong Z, Zhu J. The LuxR family quorum-sensing activator MrtR requires its cognate autoinducer for dimerization and activation but not for protein folding. *J Bacteriol*. 2009;191(1):434-438.
- **Giel JL**. *Role of IscR in regulation of iron-sulfur biogenesis in Escherichia coli: Identification of the IscR regulon and mechanisms of regulation* [dissertation]. Madison, WI: University of Wisconsin; 2007.
- **Giel JL**, Rodionov D, Liu M, Blattner FR, Kiley PJ. IscR-dependent gene expression links iron-sulfur cluster assembly to the control of O₂-regulated genes in *Escherichia coli*. *Mol Microbiol*. 2006;60(4):1058-75.
- Amiss TJ, Pitner JB, Freitas TC, **Giel JL**, inventors; Becton-Dickinson Technologies, assignee. Compositions and methods for measuring analyte concentrations. US Patent 20050112685. June 16, 2005.
- Schwartz CJ, **Giel JL**, Patschkowski T, Luther CL, Beinert H, Ruzicka FJ, and Kiley PJ. IscR, an Fe-S cluster-containing transcription factor, represses expression of *Escherichia coli* genes encoding Fe-S cluster assembly proteins. *Proc Natl Acad Sci*. 2001;98(26):14895-14900.

Oral Presentations (as an author)

7th Annual Meeting of the International Society for Medical Publication Professionals

- Comparison of results reporting on ClinicalTrials.gov by funding source, 2011

31st Steenbock Symposium: Fe-S Proteins: Biogenesis, Structure, and Function

- Coordinating the expression of Fe-S biogenesis pathways in *Escherichia coli*, 2005

Molecular Genetics of Bacteria and Phages Meeting

- Identification of new members of the IscR regulon: an unexpected overlap with O₂-regulated genes in *Escherichia coli*, 2005

Poster Presentations (as an author)

6th Annual Meeting of the International Society for Medical Publication Professionals

- Clinical trial identifiers in publications and accessibility of clinical trial data, 2010

Philadelphia Infection & Immunity Forum

- An in vivo germination factor for *Clostridium difficile* spores, 2009

Gordon Conference on Microbial Stress Responses

- Coordinate regulation of Fe-S biogenesis pathways by IscR in *Escherichia coli*, 2006
- Investigating the role of IscR in global gene expression in *Escherichia coli*, 2004

31st Steenbock Symposium: Fe-S Proteins: Biogenesis, Structure, and Function

- Global transcriptional profiling reveals a link between regulation by IscR and regulation by oxygen in *Escherichia coli*, 2005

Molecular Genetics of Bacteria and Phages Meeting

- The role of the Fe-S transcription factor IscR in *Escherichia coli*, 2003
- Regulation of the *isc* gene cluster in *Escherichia coli*, 2001

Midwest Metals Meeting

- IscR is a repressor of iron-sulfur cluster assembly genes in *Escherichia coli*, 2002

American Society for Microbiology General Meeting

- Regulation of the *isc* gene cluster in *Escherichia coli*, 2001

Teamwork and Leadership Experience

Penn Biotech Group, Consultant on Integromics project, Fall 2008

- Designed and carried out market research survey for biotechnology company
- Wrote initial draft of our final report in addition to other team activities
- Team placed second out of 11 projects

Mentored undergraduate and rotating graduate students

- Guided 3 undergraduate and 3 graduate students on research/rotation projects
- Trained and supervised 7 undergraduate student hourly employees

Teaching assistant

- Bacteriology 551: Physiological & Biochemical Diversity of Prokaryotes Lab
- Bacteriology 528: Immunology

University of Michigan Students of Biology

- President, 1998-99; Vice President, 1997-98; Tutoring Committee Chair, 1996-97
- Planned activities, tutoring, and volunteering events, oversaw entire organization