

# MICHAEL M. SCHOFIELD

Schofield Scientific Communications L.L.C. | [Michael@MichaelMSchofield.com](mailto:Michael@MichaelMSchofield.com)

**EDUCATION** | **UNIVERSITY OF MICHIGAN MEDICAL SCHOOL**, Ph.D. Microbiology & Immunology  
May 2015

**GRAND VALLEY STATE UNIVERSITY**, B. S. Cellular & Molecular Biology  
May 2010

**WRITING EXPERIENCE** | **FREELANCE WRITER**, SCHOFIELD SCIENTIFIC COMMUNICATIONS L.L.C.  
JUNE 2015-PRESENT

- Direct a small team of medical writers with PhDs and other advanced degrees in different biomedical fields.
- Experience preparing manuscripts, news articles, press releases, slide decks, grants, fair balanced CME needs assessments, and alt text for scientific textbook images.
- Proficient at targeting expert and more general audiences.
- We have prepared documents for academic researchers, pharmaceutical companies, medical doctors, veterinarians, and other organizations, including CSL Behring, VELA Sciences, Medscape Education, and Macmillan Publishers.

**EDITORIAL INTERN**, THE WILDLIFE SOCIETY  
APRIL-SEPTEMBER 2013

- Wrote news stories for organization's website and two issues of the quarterly magazine, The Wildlife Professional.
- Assisted in website management and maintenance.
- Clips available at [www.MichaelMSchofield.com](http://www.MichaelMSchofield.com).

**MEDICAL WRITER**, UNIVERSITY OF MICHIGAN  
2013-2015

- Managed the news website for a medicinal chemistry academic laboratory.

**JOURNALISM STUDENT**, UNIVERSITY OF MICHIGAN  
2013-2015

- Took various writing and journalism courses.
- Wrote environmental and health news stories with local and national appeal.

**WRITING CONSULTANT**, FRED MEIJER CENTER FOR WRITING AND MICHIGAN AUTHORS  
2009-2010

- Assisted undergraduate and graduate students with planning, composing, and editing essays and written assignments in various subject areas.
- Hosted writing seminars and facilitated peer editing groups.

**RESEARCH AND MEDICAL EXPERIENCE** | **DOCTORAL RESEARCH FELLOW**, UNIVERSITY OF MICHIGAN  
2010-2015

- Conducted research on two pharmaceutical dissertation projects.
  - Discovered a new class of antibiotics that targets antibiotic resistant bacteria.
  - Sequenced the genome of a bacterium responsible for production of a clinically approved chemotherapeutic drug.
- Co-author on two pharmaceutical patents.
- Published findings in peer-reviewed journals and presented research at international conferences.
- Personally funded by prestigious regional and national grants, including NSF Graduate Research Fellowship Program and the NIH-sponsored Cellular Biotechnology Training Program.

- Publications, grants, dissertation, and patents available at [MichaelMSchofield.com](http://MichaelMSchofield.com).

#### **VISITING SCIENTIST, INBIO IN COSTA RICA**

SUMMER 2012

- Conducted biofuel research.
- Collected marine and terrestrial samples for study.
- Utilized Spanish language and writing skills in a work environment.

#### **RESEARCH ASSISTANT, GRAND VALLEY STATE UNIVERSITY**

2008-2010

- Conducted cytoskeletal research with implications for cancer treatments.
- Presented findings at regional and national conferences.

#### **RADIATION ONCOLOGY INTERN, SAINT MARY'S HOSPITAL IN RENO, NV**

SUMMER 2007

- Shadowed and assisted a radiation oncologist and radiation therapists.
- Saw patients with various types and stages of cancer during routine visits and radiation therapy treatment sessions.

#### **PEER-REVIEWED PUBLICATIONS**

**Schofield MM\***, Jain S\*, Porat D, Dick GJ, Sherman DH. "Identification and analysis of the bacterial endosymbiont specialized for production of the chemotherapeutic natural product ET-743." *Environ. Microbiol.* 2015, 17(10):3964-75. \*Authors contributed equally to this work.

Tripathi A\*, **Schofield MM\***, Chlipala GE, Schultz PJ, Yim I, Newmister SA, Nusca TD, Scaglione JB, Hanna PC, Tamayo-Castillo G, Sherman DH. "Baulamycins A and B, Broad-Spectrum Antibiotics Identified as Inhibitors of Siderophore Biosynthesis in *Staphylococcus aureus* and *Bacillus anthracis*." *J. Am. Chem. Soc.* 2014, 136(4):1579-86. \*Authors contributed equally to this work.

**Schofield MM** and Sherman DH. "Meta-omic characterization of prokaryotic gene clusters for natural product biosynthesis." *Curr. Opin. Biotechnol.* 2013, 24(6):1151-8.

Nusca TD, Youngchang K, Maltseva N, Yeop Lee J, Eschenfeldt W, Stols L, Scaglione JL, **Schofield MM**, Dixon SD, Pflieger BF, Oves-Costales D, Challis GL, Hanna PC, Joachimiak A, and Sherman DH. "In vitro Reconstitution of the Petrobactin Biosynthetic Pathway from *Bacillus anthracis*: Functional and Structural Analysis of AsbB." *J. Biol. Chem.* 2012, 287(19):16058-72.

#### **PATENTS**

**Biosynthetic Pathway for Heterologous Expression of a Nonribosomal Peptide Synthetase Drug and Analogs.**

Application Number: US 14/467,851. Publication Number: US20150050704 A1

**Baulamycins, Compositions and Methods of Use Thereof.**

Application Number: US 14/717096

#### **GRANTS AND AWARDS**

**National Science Foundation Graduate Research Fellowship Program-** The NSF GRFP is a three-year highly competitive national grant awarded to master's and doctoral students pursuing degrees in science, technology, engineering, and mathematics.

**Rackham International Research Award-** Awarded funding to serve as a visiting scientist at Instituto Nacional de Biodiversidad in Costa Rica.

**Cellular Biotechnology Training Program Fellow-** Awarded a year of funding by a competitive training program sponsored by the National Institutes of Health (NIH).

**Rackham Research Grants-** Received two research grants to purchase equipment and supplies for my dissertation research.

#### **PROFESSIONAL ASSOCIATIONS**

American Medical Writers Association • National Association of Science Writers • Association of Healthcare Journalists • American Society for Microbiology

**-References available on request-**