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Expertise: Over a decade of multi-disciplinary scientific and laboratory experience combined with writing and creative content development for entertainment, digital, advertising and media.

Portfolio: Digitally accessible at <http://www.ScriptPhD.com/portfolio>

Current:

Founder and Creative Director of ScriptPhD.com (May 2009—present)

- Featured speaker TEDx Columbia Engineering 2013: <http://tinyurl.com/kae2e7y>
- Successfully launched, maintained and expanded blog covering science and technology in media and pop culture (100,000 monthly hits; 6,000-10,000 uniques)
- Consulting clients include the UCLA School of Film, the Tribeca Film Institute Sloan Foundation, ABC Television, BioData, Ltd., Medicines360, clear, inc., DELL, Patexia.com, Puritan Medical Products and Creative Retail Packaging
- Co-authored 2011 hit science book *Fringe Science*: <http://tinyurl.com/7woafj3> and 2013 American Chemical Society volume *Hollywood Chemistry*: <http://tinyurl.com/kwgxr4l>
- Former Associate Editor and Contributor: *Chemical and Engineering News*
- Listed on the April 2010 Writers Guild of America “hotlist” for new media content: <http://bit.ly/bAUOfW>
- Named by Wired Magazine’s GeekDad blog as 168 Geeky Media People You Should Follow on Twitter: <http://bit.ly/c8zdhM>
- Featured lecturer, “Science, Entertainment, and a Digital World,” to UCLA Film School: <http://bit.ly/1JY4LK> and “Science Careers in Entertainment,” Emory University: <http://bit.ly/hxCG7H>

Writing Samples:

- Selling Science Smartly: Dow Human Element Campaign: <http://www.scriptphd.com/?p=1580>
- Love is a Many-Splendored Algorithm: <http://www.scriptphd.com/?p=1612>
- The Flu, The Facts, The Media and You: <http://www.scriptphd.com/?p=1054>
- Behind *Avatar*: Science, Technology, Art and Design: <http://www.scriptphd.com/?p=1257>
- From the Annals of Psychology: Fear and Loathing in a Modern Age: <http://www.scriptphd.com/?p=1360>
- From the Lab: Breaking Bad, Chemistry Good: <http://www.scriptphd.com/?p=173>
- Forever Young: Living in an Age of Agelessness: <http://www.scriptphd.com/?p=1550>
- ScriptPhD Roundtable: Naturally Obsessed, The Making of a Scientist: <http://www.scriptphd.com/?p=1868>

Education and Science Training:

Postdoctoral Research Fellow (August 2007—August 2010)

School of Public Health, University of California, Los Angeles

Focus: Establishment and implementation of a high-throughput, high volume laboratory for global infectious disease surveillance and prevention.

Doctor of Philosophy (July 2002—July 2007)

Chemistry

The Scripps Research Institute, La Jolla, CA

Thesis Title: Three functional genomic approaches to biochemical and screen-based analyses of topics in cellular biology.

Bachelor of Arts (September 1998—December 2001)

Northwestern University, Evanston, IL

Degree: Physical Chemistry, With Honors

Research Focus: Biochemical and biophysical characterization of Synaptotagmin I, as well as the individual calcium-binding domains, in order to elucidate its role in mediating SNARE protein fusion at synaptic vesicles.

Additional Experience:

Summer Fellow and Research Intern (Summer 2001; December 2001- April 2002)

Fred Hutchinson Cancer Research Center, Seattle, WA

Focus: Comparing gene expression of pre-neoplastic to post-metastatic lymphatic cells infected with the proto-oncogenes c-myc, c-myb and v-Rel in avian lymphoma development using a bursa of Fabricius model.

Research Intern (2006-2007)

Science and Technology Policy

University of California, San Diego, La Jolla, CA

Focus: Communication of current policy topics/issues in the science and technology press, analysis of university science/engineering funding across all major government departments, Scripps Institute of Oceanography proposition to establish an on-site tutorial program for primary schoolteachers at the San Diego Birch Aquarium encompassing climate, environmental, and oceanographic science.

Lead Coordinator (2000-2002)

Science Outreach Program in Education (ScOPE)

Northwestern University—American Chemical Society, student chapter.

Evanston, IL

Program Objectives: Organizing and conducting science experiments and lectures for elementary school-age children, facilitating on-campus visits and laboratory tours by inner-city Chicago youth, managing colleagues/program participants, promoting basic science knowledge and outreach in primary education

Memberships and Affiliations:

Northwestern University Alumni Admissions Council (NUAAC).

Northwestern University Entertainment Alliance (West)

Northwestern University Entertainment Alliance Writers' Group

American Chemical Society

Alpha Chi Sigma Chemistry Society

Iota Sigma Pi (Honor Society for Women in Chemistry) – named "Outstanding Chemist of the Year" in 2002

Union of Concerned Scientists

American Association for the Advancement of Science

References: Available upon request.