

Søren Hough
 (860) 798-5268 [Cell]
shhough@gmail.com

EDUCATION

University of Massachusetts Amherst	Class of 2014	<i>College of Natural Sciences</i>
Microbiology <i>Bachelor of Science</i>	Film Studies <i>Certificate</i>	Departmental Honors with Distinction <i>Commonwealth Honors College</i>

RESEARCH EXPERIENCE

Research Associate - <i>Laboratory of Wen Xue, PhD, at UMass Medical School</i> Used immunohistochemistry, sgRNA cloning and cell transfection to develop CRISPR therapeutics	Worcester, MA <i>December 2015 - Present</i>
Research Laboratory Technician I - <i>Laboratory of Wen Xue, PhD, at UMass Medical School</i> Used CRISPR systems to interrogate the function of key genes in cancer and other disease pathways	Worcester, MA <i>Dec. 2014 - Nov. 2015</i>
Honors Researcher - <i>Laboratory of Jennifer Ross, PhD, at the University of Massachusetts</i> Used super-resolution microscopy to study and complete honors thesis on molecular motors	Amherst, MA <i>Fall 2011 - Spring 2014</i>
Student Researcher - <i>Laboratory of Peg Riley, PhD, at the University of Massachusetts</i> Examined makeup of natural skin flora and the application of narrow-spectrum bacteriocins for burns	Amherst, MA <i>Spring 2011</i>
First-Year Researcher - <i>Laboratory of Jesse Mager, PhD, at the University of Massachusetts</i> One of 23 students in First-Year Research Experience; studied developmental epigenetics	Amherst, MA <i>Fall 2010</i>
Research Intern - <i>Laboratory of Gustavo Turecki, MD, PhD, at McGill University</i> Studied differential gene expression in suicide brains at Douglas Mental Health University Institute	Montréal, Québec, CA <i>Summer 2010</i>
Research Apprentice - <i>Laboratory of Henry Furneaux, PhD, at UConn School of Medicine</i> Researched and found putative link between viral microRNA and breast cancer	Farmington, CT <i>Summers 2008 - 2009</i>

ACADEMIC PUBLICATION

- Wang, D. et al. "Adenovirus-Mediated Somatic Genome Editing of Pten by CRISPR/Cas9 in Mouse Liver in Spite of Cas9-Specific Immune Responses." *Human Gene Therapy*. July 2015. [PMID: 26086867](#)
- Hough, S. H. "Using DNA Origami to Evaluate Motor Protein Binding Patterns." *Commonwealth Honors College at the University of Massachusetts Amherst*. March 2014. [Honors Thesis]

RESEARCH PRESENTATIONS

<i>20th Annual UMass Medical School Research Retreat</i> Edited/presented poster "Probing Tumor Suppressor Genes in Liver Tumors Using CRISPR/Cas9 Screen."	Amherst, MA <i>October 2015</i>
<i>Massachusetts Statewide Undergraduate Research Conference</i> Poster presentation through the Commonwealth Honors College at the University of Massachusetts	Amherst, MA <i>April 2013</i>
<i>Northeast Undergraduate Research and Development Symposium (NURDS)</i> Poster presentation through the University of New England, won award for Best Poster	Biddeford, ME <i>March 2013</i>

AWARDS AND HONORS

Honors College Scholar with Departmental Honors and Distinction - <i>University of Massachusetts</i>	<i>February 2014</i>
Dean's List with Honors - <i>University of Massachusetts</i>	<i>Spring 2012, Fall 2012/13</i>
Accepted Student - <i>Biology Talent Advancement Program (BioTAP)</i>	<i>2010-2011</i>
Third Place Essayist - <i>Massachusetts Society for Medical Research Annual Student Competition</i>	<i>Spring 2010</i>

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CAREER SKILLS

Laboratory sgRNA Design, sgRNA Cloning, shRNA Cloning, qPCR, Western Blot, Test Digest, Gibson Assembly, Gel Electrophoresis, DNA Extraction and Purification (Mini/Maxiprep), Immunohistochemistry Staining, Mammalian Cell Transfection, Mouse Colony Management/Genotyping, SnapGene, MacVector, Online RNA Hybridization Prediction Algorithms, PCR/Methyl-Sensitive PCR

Writing Author Correspondence/Management, Editing, Interviewing, Newspapers/Blogs, Meeting Deadlines, Ethical Journalism, AP Style

General Research Presentation, Critical Thinking, SEO, CMS, Social Media, Communicating, Science Writing, Teaching/Mentoring

WRITING EXPERIENCE

Freelance Contributor - RogerEbert.com Worcester, MA
 Freelance feature and interview writer for Brian Tallerico and Chaz Ebert
December 2014 - Present

Editor-in-Chief - [Movie Fail](http://MovieFail) Amherst, MA
 Generated multimedia content; managed international staff; built site and coordinated social media
January 2012 - Present

Film and Television Contributor - ScottFeinberg.com Amherst, MA
 Wrote articles about the entertainment industry for Scott Feinberg of *The Hollywood Reporter*
September 2013 - March 2014

Assistant Arts Editor for Film and Television - [The Massachusetts Daily Collegian](http://TheMassachusettsDailyCollegian) Amherst, MA
 Edited/wrote articles and used InDesign to layout Arts section of *The Collegian* on a weekly basis
Sept 2013 - Dec 2013

Staff Writer - [The Massachusetts Daily Collegian](http://TheMassachusettsDailyCollegian) Amherst, MA
 Wrote film reviews, features, interviews, news and satire for *The Collegian*
January 2013 - May 2013

SELECTED CLIPPINGS

“Tomm Moore, Writer/Director of *Song of the Sea* and *The Secret of Kells*” *February 16, 2015*
 Interview || [Movie Fail](http://MovieFail)

“The Magic of Magi: Douglas Trumbull’s Quest to Explore ‘A New Planet of Cinematic Potential’” *December 29, 2014*
 Interview || RogerEbert.com

“Five College researchers work on finding life on the Red Planet” *December 5, 2013*
 Interview || *The Daily Collegian*

VOLUNTEER EXPERIENCE

Connecticut Children’s Medical Center 2003 - Present
 Juggler at annual [HIV Program for Children, Youth and Families](http://HIVProgramforChildrenYouthandFamilies) Christmas party

Amherst Cinema Fall 2012
 Literacy educator through [See · Hear · Feel · Film](http://SeeHearFeelFilm) program; taught students from Pioneer Valley

University of Massachusetts Amherst 2010
 Volunteer Chair of [UMass Pre-Medical Society](http://UMassPreMedicalSociety); co-created large-scale healthcare volunteer program

National Honor Society 2008 - 2010
 Academic tutoring, [Hartford Rescue Mission](http://HartfordRescueMission) volunteer through Walter Harrison Chapter of NHS

UConn Schools of Medicine and Dental Medicine Summer 2008, 2009
 High school volunteer in the [Migrant Farm Worker Health Clinic](http://MigrantFarmWorkerHealthClinic); took vitals, worked with physicians

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