**Stephanie C. Heard**

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**Research**

University of Utah - Salt Lake City, Utah July 2016 - Present

* Graduate Research Assistant in Medicinal Chemistry, PI Dr. Jaclyn Winter

University of Washington - Seattle, Washington Jun 2015 – Aug 2015

* Chemistry Department, Biophysical Mass Spectrometry Laboratory, PI Dr. Matthew Bush
* Summer research project, undergraduate senior thesis: Refolding of Denatured Poly-ubiquitin in the Gas Phase

**Education**

University of Utah - Salt Lake City, Utah July 2016 – Present

* 6th year PhD student in Medicinal Chemistry, cumulative GPA of 3.78
* PhD candidacy exam passed in May 2018
* Courses taken include genetics, biochemistry, organic chemistry, medicinal chemistry, structural biology, research ethics, and grant writing

Kalamazoo College - Kalamazoo, Michigan Sept 2012 – Jun 2016

* Graduated Magna Cum Laude, honors in the Senior Individualized Project
* Bachelor of Arts with honors in Chemistry, concentration in Biochemistry and Molecular Biology
* Bachelor of Arts in French

Université de Strasbourg - Strasbourg, France Apr 2015 – Jun 2015

* Studied French language, culture, and European politics
* Intensive study abroad immersion program with host family

**Leadership**

University of Utah, Bioscience PhD Programs

* Student Representative, Biological Chemistry program Jun 2019 – Present
* Student facilitator/organizer for Medicinal Chemistry Departmental Review Mar 2019
* SACNAS member and outreach volunteer Sept 2018 – Present
* Lead Host committee co-chair Jun 2018 – Mar 2019
* Lead Host committee member Dec 2017 – Mar 2018
* Student Retreat committee chair May 2018 – Aug 2018
* Student Retreat committee member May 2017 – Aug 2017

Kalamazoo College

* Peer Leader Program Fall 2013, Fall 2015
* Eliminating Racism and Claiming/Celebrating Equality Workshop participant Fall 2014, Fall 2015
* Frelon Dance Company, Senior Co-Director Sept 2015 – Jun 2016

Other – Salt Lake City, UT

* LoveLoud Foundation volunteer June 2018 – Present
* Black Lives Matter Utah member and volunteer June 2020 – Present

**Awards and Recognitions**

University of Utah

* Skaggs Graduate Research Fellowship (2020-2021)
* ARUP Graduate Research Fellowship (2019-2020)
* University of Utah Graduate Student Travel Assistance Award (2019)
* Poster finalist, American Society of Pharmacognosy Annual Meeting (2019), Madison, WI
* Oral presentation, GRS Marine Natural Products Conference (2020), Ventura, CA

Kalamazoo College

* Alliance Française Prize in French, for excellence in French as an advanced student (2016)
* LeGrand Copley Prize, for excellence in French as a first-year student (2013)

**Publications**

**Heard SC**, Wu G, Winter JM. Antifungal natural products. Curr Opin Biotechnol. 2021, 69:232-41.

**Heard SC**, Wu G, Winter JM. Discovery and characterization of a cytochalasan biosynthetic cluster from the marine-derived fungus *Aspergillus flavipes* CNL-338. J Antibiot. 2020, 73(11):803-7.

Hemmis CW, **Heard SC**, Hill CP. Phosphorylation of Tyr-950 in the proteasome scaffolding protein RPN2 modulates its interaction with the ubiquitin receptor RPN13. J Biol Chem. 2019Jun;294(25):9659–65. PubMed PMID: 31064842; PubMed Central PMCID: PMC6597823.

**Presentations**

**Heard SC** and Winter JM. Elucidating the Biosynthesis of Penilumamide and Exploring the Ecological Role of its Lumazine Building Block. Gordon Research Seminar in Marine Natural Products, Ventura, CA, USA, Feb 22-28, 2020.

**Heard SC** and Winter JM. Elucidating the Biosynthesis of Penilumamide and Exploring the Ecological Role of its Lumazine Building Block. American Society of Pharmacognosy, Madison, WI, USA, July 13-17, 2019.

**Heard SC** and Winter JM. Elucidating the Biosynthesis of Penilumamide and Identifying New Therapeutic Targets for Antibiotic Development. American Society of Pharmacognosy, Lexington, KY, USA, July 21-25, 2018.

**Mentorship**

University of Utah

* Lecture Teaching Assistant (1st year graduate students) Jan 2018 – Feb 2018, Literature Review and Problem Solving, Critical Thinking in Science Jan 2019 – Feb 2019
* Panellist giving educational and career advice to high school interns Jun 2019
* High school students, undergraduates, and 1st year graduate students in lab

Jonathan Villareal, Waterford High School Jun 2017 – Aug 2017

Tom Shreeve, Juan Diego High School Jun 2018 – Aug 2018

Jeannette Dimpel, Juan Diego High School Jun 2018 – Aug 2019

Chris Fullmer, Utah Valley University Sept 2017 – Aug 2018

Youjung Sung, University of Utah Jan 2018 – Mar 2018

Erykah Starr, University of Utah Jan 2021 – Mar 2021

Kalamazoo College

* Departmental Student Advisor, Biochemistry and Molecular Biology Sept 2015 – Jun 2016
* Laboratory Teaching Assistant, Lecture Teaching Assistant, Tutor, Grader Sept 2013 – Jun 2016
* Sisters in Science Program (at local elementary school) Jan 2013 – Jun 2016

**Employment**

Millennium Dance Complex – Salt Lake City, UT Sept 2019 – present

Taught ballet and contemporary classes, work-study at the front desk

Kalamazoo College – Kalamazoo, MI Sept 2013 – Jun 2016

Laboratory Teaching Assistant, Lecture Teaching Assistant, Tutor and Grader for various courses

Au pain de mon grand-père – Strasbourg, France Apr 2015 – Jun 2015

Macy’s Department Store – Bellevue, WA Nov 2013 – Jan 2014,

Seasonal Retail Sales Associate Nov 2014 – Jan 2015

**Memberships**

Society for the Advancement of Chicanos and Native Americans in Science (SACNAS), University of Utah chapter

Royal Society of Chemistry

American Society of Pharmacognosy

American Chemical Society

Alpha Lambda Delta Undergraduate Honors Society

**Additional Skills**

* Languages: English (fluent), French (fluent), Spanish (intermediate), Japanese (basic), ASL (basic)
* Technology: MS Office, Adobe Creative Cloud, SPARTAN, AutoDock Vina, PyMOL, Prism, basic Python code

**Other Information**

Age 27, US citizen (Child Citizenship Act of 2000, passport 2017), UK citizen (birth 1994)