PERSONAL INFORMATION

[redacted]

EDUCATION AND WORK EXPERIENCE

Education

List colleges or universities attended and your enrollment details.

										Graduate Course Information		
College/Univ.	City	State	Country	Start Date	End Date	Degree Cmpl.	Degree	Grad. Date	Primary Field of Study	Sem. Hrs.	Qtr. Hrs.	Dept.
University of Minnesota-Twin Cities	Minneapolis	MN	US	08/2013	05/2017	Yes	BS	05/2017	Life Sciences - Evolutionary Biology	10	15	Ecology, Evolution, and Behavior
Yale University	New Haven	CT	US	08/2017	05/2022	No			Life Sciences - Evolutionary Biology			

Other Experience

List teaching and work experiences relevant to your field of study since entering college/university. Experiences do not have to be limited to the academic realm.

Title	Institution/Organization	Start Date	End Date
Graduate Rotation Student	Yale University, Sanchez Lab	09/2017	
Undergraduate Researcher	University of Minnesota, Travisano Lab	08/2016	08/2017
NSF REU Participant	NSF & Kansas St University, Platt Lab	06/2016	08/2016
Undergraduate Grant Research Fellow	Undergrad Research Opportunities Program, U MN, Travisano Lab	01/2016	05/2016
Undergraduate Researcher	University of Minnesota, Travisano Lab	09/2015	12/2015
Undergraduate Research Fellow	MnDRIVE, University of Minnesota, Ishii Lab	09/2015	05/2016
Student Laboratory Technician	University of Minnesota, Ferrington Lab	05/2015	08/2015
Undergrad Research Project	Tropical Ecology & Field Botany at VENUSA Instituto	01/2015	05/2015
Undergrad Teaching Assistant	Department of Biology, Teaching and Learning, U MN	08/2014	01/2015
Undergraduate Researcher	University of Minnesota, Travisano Lab	05/2014	12/2014

List your significant academic honors, fellowships, scholarships, publications and presentations.
Publications & Presentations
Spatially Structured Phage Selection on Motile Bacteria. Michael Blazanin, Sydney Olsen, Michael Travisano. In prep.
Phage Selection on Motile Bacteria. Michael Blazanin, Michael Travisano. Poster presentation at Region One American Society for Microbiology Branch Meeting. Oct 13, 2017
Phage Selection on Motile Bacteria. Michael Blazanin, Michael Travisano. Poster presentation at the Evolution Conference. Jun 23-27, 2017
Host Cues Select for the Evolution of Avirulent Agrobacterium Cheaters. Michael Blazanin, Spencer Parish, Thomas Platt. Poster presentation at 14th Annual Ecological Genomics Symposium. Oct 28-30, 2016
Experimental Evolution of Bacterial Motility. Michael Blazanin, Michael Travisano. Poster presentation at 14th Annual Ecological Genomics Symposium. Oct 28-30, 2016
Host Cues Select for the Evolution of Avirulent Agrobacterium Cheaters, presentation for Kansas State University Biology Research Experience for Undergraduates Symposium. Aug 5, 2016
Experimental Evolution of Bacterial Motility. Poster and 15-minute presentation in the Winchell Undergraduate Research Symposium at the Annual Meeting of the Minnesota Academy of Science. Apr 29, 2016
Evolution: Motility and Resistance, presentation at Microbial Populations Research Group. Oct 29, 2015
Investigating Motility in a Colicinogenic-Resistant-Susceptible Ecology, presentation at Evolution in the Twin Cities, University of Minnesota. Oct 24, 2014

Honors, Fellowships, & Scholarships

1st Place Graduate Student Poster, Region One American Society for Microbiology Branch Meeting. Oct 13, 2017
Gruber Graduate Student Science Fellowship, Yale University, $100,000. Mar 2017
Fulbright Fellowship Research Award Semifinalist, Spain. Jan 2017
National Science Foundation Research Experience for Undergraduates (REU) Travel Grant Award, $1000. Oct 2016
College of Biological Sciences Undergraduate Research Travel Award, $500. Oct 2016
Astronaut Scholar, Astronaut Scholarship Foundation, $10,000. Jun 2016
University of Minnesota Churchill Scholarship Nominee. May 2016
Honorable Mention for Best Oral Presentation, Winchell Undergraduate Research Symposium at the Annual Meeting of the Minnesota Academy of Science. Apr 29, 2016
Monica Tsang and James Weatherbee College of Biological Sciences Merit Scholarship, $5000. Apr 2016
Undergraduate Research Opportunities Program Grant Awardee, $1700. Oct 2015
College of Biological Sciences Study Abroad Scholarship, $1250. Jan 2015
Learning Abroad Center Study Abroad Scholarship, $1500. Nov 2014
Freshman Study Abroad Scholarship, University of Minnesota - Twin Cities, $1000. Oct 2014
MacGray Leadership Scholarship, University of Minnesota - Twin Cities, $500. May 2014
Gold Scholar at the University of Minnesota - Twin Cities, $40,000. May 2013
Bentson Family Scholarship at the University of Minnesota - Twin Cities, $24,000. May 2013
National Merit Scholarship, National Merit Scholarship Corporation, $4,000. Apr 2013

Additional Graduate School Information

Are you or have you been in a joint baccalaureate-master's degree program? No
Baccalaureate Institution: University of Minnesota- Twin Cities
Current Institution: Yale University

PROPOSED FIELD OF STUDY

Primary Field of Study: Life Sciences - Evolutionary Biology
Tentative Panel Name:

Is your proposed graduate study interdisciplinary? No

What is the highest level degree toward which you expect to work while on your fellowship tenure? (Your answer will be used for statistical purposes only and will not be seen by the selection panel.)
Degree: Doctoral Degree

PROPOSED GRADUATE STUDY

Proposed University or College: Yale University
Proposed Graduate Program: Ecology and Evolutionary Biology
City: New Haven
State: CT
Country: United States

REFERENCES

List names and organizational affiliations of individuals submitting Letters of Reference (at least three reference letters must be received by the published deadline for the application to be complete).

Last Name	First Name	MI	Organization	E-mail Address	Ref. Rank	Status
Turner	Paul		Yale University	[redacted]	1	Unsubmitted
Sanchez	Alvaro		Yale University		3	Unsubmitted
Travisano	Michael		University of Minnesota		2	Unsubmitted

PERSONAL, RELEVANT BACKGROUND AND FUTURE GOALS STATEMENT

Please outline your educational and professional development plans and career goals. How do you envision graduate school preparing you for a career that allows you to contribute to expanding scientific understanding as well as broadly benefit society?

Describe your personal, educational and/or professional experiences that motivate your decision to pursue advanced study in science, technology, engineering or mathematics (STEM). Include specific examples of any research and/or professional activities in which you have participated. Present a concise description of the activities, highlight the results and discuss how these activities have prepared you to seek a graduate degree. Specify your role in the activity including the extent to which you worked independently and/or as part of a team. Describe the contributions of your activity to advancing knowledge in STEM fields as well as the potential for broader societal impacts (See Solicitation, Section VI, for more information about Broader Impacts).

NSF Fellows are expected to become globally engaged knowledge experts and leaders who can contribute significantly to research, education, and innovations in science and engineering. The purpose of this essay is to demonstrate your potential to satisfy this requirement. Your ideas and examples do not have to be confined necessarily to the discipline that you have chosen to pursue.

If you have completed more than 12 months of graduate or post-baccalaureate study or a graduate or professional degree and an interruption of at least two consecutive years (fourth option under Completed Study in the NSF GRFP Program Information section), please address the reasons for the interruption in graduate study here. Please refer back to that section for details.

Reviewers will read both statements. Please address Intellectual Merit and Broader Impacts in both written statements in order to provide reviewers with the information necessary to evaluate your application with respect to both Criteria. Please refer to the Program Solicitation for further information on the NSF Merit Review Criteria and Broader Impacts activities.
Document Uploaded: Yes

GRADUATE RESEARCH PLAN STATEMENT

Present an original research topic that you would like to pursue in graduate school. Describe the research idea, your general approach, as well as any unique resources that may be needed for accomplishing the research goal (i.e., access to national facilities or collections, collaborations, overseas work, etc.) You may choose to include important literature citations. Address the potential of the research to advance knowledge and understanding within science as well as the potential for broader impacts on society. The research discussed must be in a field listed in the Solicitation (Section X, Fields of Study).

Document Uploaded: Yes

Proposed Research Title

The title should be brief informative, scientifically or technically valid, intelligible to a scientifically or technically literate reader, and suitable for use in the public press. It should describe in succinct terms your proposed research, reflecting the contents of your proposal. Use key words, and do not use abbreviations and chemical formulas(in 255 characters or less). This title will be used for searching research topics using the key words you supply. Do not use curly brackets, {}, in your Proposed Research Title or Key Words.
Proposed Research Title: Selection on Bacterial Motility and Coevolution with Phage

Use key words to describe the Graduate Research Plan Statement (in 50 characters or less).
Key Words: Experimental evolution, coevolution, dispersal

Is the proposed graduate research plan expected to have a significant international component?: No

NSF GRFP PROGRAM INFORMATION

Mark the choice that most appropriately describes your stage of study. All graduate and post-baccalaureate study completed as of August 1 of this year must be reported, except graduate-level courses taken as an undergraduate or in a joint baccalaureate-master's program.
First-year graduate student this fall (having started in summer or fall of this year).

Academic Advisor
If you are currently enrolled in graduate school (options 2 or 3), provide the name(s) of your current or potential academic graduate research advisor(s). If you do not have a current or potential academic graduate research advisor, provide the contact information of your graduate program director. Entry of at least one advisor is required with a maximum of three.

First Name	MI	Last Name	E-mail Address
Paul		Turner	[redacted]

NSF publishes the names, the baccalaureate and current institutions, and the fields of study of Fellowship recipients and Honorable Mention List on FastLane.
Do you wish your name to be published on the Honorable Mention List, posted at https://www.fastlane.nsf.gov/grfp/?: Yes

Please indicate how you learned about the NSF Graduate Research Fellowships (check all that apply).
Poster: No
Faculty Member or Mentor: Yes
Friend/Other Student: No
College/University Administration: No
Internet Website: No
Social Media: No
Conference/Workshop/Presentation: No **Specify:**
Other: No **Specify:**

If you have applied for any other fellowships this year, please select them from the following list. NSF is interested in this information for statistical purposes only. Submission of the requested information is voluntary and is not considered during the review process. If a particular fellowship is not in the list, select 'Other (please specify)' and specify the other fellowships in the box provided.

The Graduate Research Fellowship may not be accepted if the individual accepts or is supported by another federal graduate fellowship.
Fellowships:
Other Fellowships: