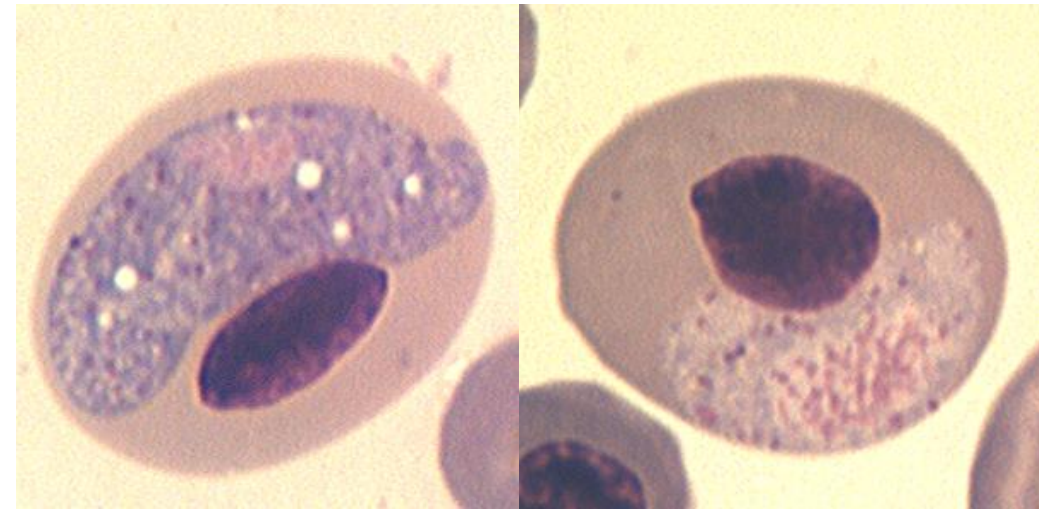


Allison Neal

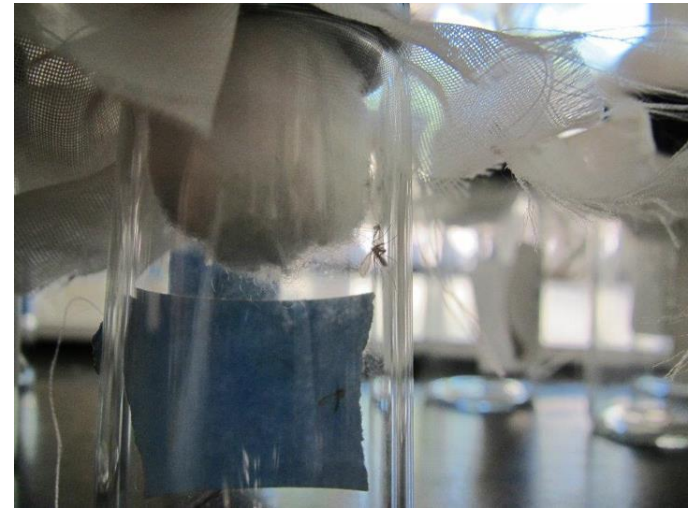
- PhD student
 - UVM Department of Biology
 - Just starting 5th year



- GRFP
 - Applied at beginning of second year
 - Just starting 3rd year on grant



Study sex ratio of lizard malaria parasite
Plasmodium mexicanum



Sand Flies (*Lutzomyia* spp.)



Western Fence Lizard (*Sceloporus occidentalis*)



Career Goal: Professor



Teaching



Research

Previous Research Experience



- Senior Honors Thesis
 - 2 ½ weeks fieldwork
 - ~ 10 months lab work



- 1 year graduate research
 - > 3 months fieldwork
 - ~ 9 months lab work

Getting Started - Resources

Descriptions of each essay:

https://www.fldemo.nsf.gov/NSFHelp/flashhelp/fastlane/FastLane_Help/3_prepare_application.htm

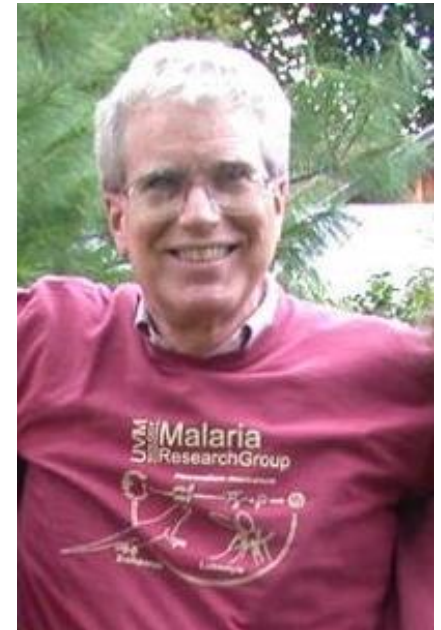
Questions to answer in essays:

http://www.nsfgrfp.org/how_to_apply/application_materials

Broader Impacts and Intellectual Merit:

http://www.nsfgrfp.org/how_to_apply/review_criteria

Advisor: Dr. Joseph Schall



Getting Started - Writing

1. Brainstorm

- Answer questions
- Address all areas of essay description
- What makes you unique?
- Don't forget Intellectual Merit and Broader Impacts!

2. Outline

- How do all these ideas fit together?

3. Write

- Don't be too technical
- Hardest part? Only 2 pages per essay!

Personal Statement

My childhood experiences are rich. These are experiences that have shaped my interests and I am excited to continue such an experience while in an undergraduate program. One thing I would like to mention is my love for biology. I would like to mention that I am a high school biology teacher and had to research in research, graduate school, in getting my own set of biology background and my own. I also remember I would like to mention that I am a high school biology teacher and had to research in research, graduate school, in getting my own set of biology background and my own.

How I became interested in malaria sex ratios

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Why evolutionary questions interest me- broader context

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Career goals and related experience

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How receiving GRFP would enhance my graduate experience

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Why I am the right candidate to fund!

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Previous Research

Albert E. Hall
Previous Research

<p>My first research experience was during the laboratory portion of a course I took during my first year of college. I was assigned to work on a project that involved the study of the effects of temperature on the rate of a chemical reaction. I was responsible for measuring the rate of the reaction at different temperatures and plotting the data on a graph. This was my first experience with scientific research and it was a great learning experience.</p>
<p>I spent the summer before my first year of college working on a research project in the lab. I was assigned to work on a project that involved the study of the effects of temperature on the rate of a chemical reaction. I was responsible for measuring the rate of the reaction at different temperatures and plotting the data on a graph. This was my first experience with scientific research and it was a great learning experience.</p>
<p>Undergraduate Honors Thesis</p>
<p>Summer before starting graduate program (2009)</p>
<p>Research project with middle school students</p>

Albert E. Hall
Previous Research

<p>Summer fieldwork (2009)</p>
<p>First year as graduate student: lab work (2009-2010)</p>
<p>Summer fieldwork (2010): my research and that of my undergraduates</p>
<p>What I've learned and how I've communicated findings</p>
<p>My publications</p>

Proposed Plan of Research

Alison T. Paul
Proposed Plan of Research

<p>Title and Keywords</p>
<p>Intellectual Merit (Introduction)</p>
<p>Origin of my interest</p>
<p>Questions (overview)</p>
<p>4 specific areas of research with hypotheses and preliminary data (if available)</p>

Alison T. Paul
Proposed Plan of Research

2

<p>General Methods</p>
<p>Broader Impacts</p>
<p>References!</p>

Benefits of Fellowship

Time and flexibility!

- Extended field season
- Opportunity to visit other labs/researchers
- Chance to develop skills, participate in workshops, etc.

