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**A**dvancing **S**pelman’s **P**articipation in **I**nformatics **R**esearch and **E**ducation

The ASPIRE Program’s goal is to increase the quality and quantity of African-American women who pursue science, technology, engineering and mathematics-related advanced degrees, and fields in interdisciplinary and informatics-related areas. In addition, the goal is to provide informatics education and a research model to other Historically Black Colleges and Universities.

**ASPIRING RESEARCHERS PROGRAM**

**Undergraduate Research Grant Application Guidelines**

**Purpose**: This program is funded by the Spelman ASPIRE (Advancing Spelman’s Participation in Informatics Research and Education) grant. The goal of the ASPIRING RESEARCHERS PROGRAM (ARP) is to support students conducting Informatics-related undergraduate research projects. This program enables undergraduate students to strengthen skills in developing hypothesis-driven research proposals, be involved in research, and connect with faculty mentors.

**Eligibility**

**Nominations:** A **STEM** Faculty member must nominate all potential ASPIRING Researchers

**Research Proposals:** Eligible research for the ARP program is defined broadly as scholarly activities **related to informatics** that lead to the production of new knowledge. Proposals should be a maximum of 2 pages.

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ARP APPLICATION FORM

*Submit Applications to SC ROOM 335*

# **NAME:** \_Daria Clegg \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ **SCID#**: 900360718

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E-mail:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

| Major | Current GPA |
| --- | --- |
|  |  |
| Classification: Biology 3.22 | |
|  | |

**Research Experience:** (Please include the project name, date, mentor, and the funding source if you received payment for your work)

Genomics investigation of human genes associated with diseases at higher rates in African Americans, Fall 2012, with Dr. Hong Qin

Know your Parasite: Awareness of malaria in Limpopo province, South Africa, Summer 2012, Dr. Laurence Möhr Kruger, Dr. Bruce Wade, Spelman College G-STEM

Analysis of Mutagenic Effects in MSH2, Spring 2011, Dr. Anna **Powolny**

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Nominee: \_\_\_\_\_\_Daria Clegg \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In a group of 100 students of comparable age and experience, how would you rate the applicant on the following:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| PERSONAL CHARACTERISTICS | Superior | Outstanding | Above  Average | Average | Below Average | Inadequate Observation |
| *Motivation Toward a Productive Career* | X |  |  |  |  |  |
| *Growth During Total Period Observed* |  | X |  |  |  |  |
| *Imagination and Originality of Thought* | X |  |  |  |  |  |
| *Emotional Maturity and Stability* | X |  |  |  |  |  |
| *Ability to Work With Others* | X |  |  |  |  |  |
| *Independence and Self-Reliance* | X |  |  |  |  |  |
| *Interest in Science, Engineering or Mathematics* | X |  |  |  |  |  |

In a group of 100 students of comparable age and experience, how would you rate the applicant on the following:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| CAPABILTIES | Superior | Outstanding | Above  Average | Average | Below Average | Inadequate Observation |
| *Intellectual Ability* |  | X |  |  |  |  |
| *Mastery of Fundamentals* |  | X |  |  |  |  |
| *Skill/Originality of Special Projects* |  | X |  |  |  |  |
| *Ability to Communicate (written/oral)* | X |  |  |  |  |  |

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Feel free to provide any additional comments that will assist in providing a complete picture of the applicant’s attitude, abilities and potential.

Miss Daria Clegg first contact me about her interests in health disparity and bioinformatics in Spring of 2012. After spending her summer doing research on health disparity in South African, Miss Clegg returned with more determination to pursue health disparity related career goals. She has been working with to investigate the human homologs of aldose reductase and their potential association with human diseases and health disparity. Her enthusiasm and energy was apparent. I am also learned that she is very active in many campus events and has a very packed schedule. Yet, she also arrived in the lab punctually, indicating her mastery of time management. She also interacts well with other members in my lab, and clearly has a mature personality.

It is clear to me that Miss Clegg poses the right attitude and work ethics for research, and has a great potential of making a meaningful contribution to the research project.

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Department\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Signature\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Application Procedures Checklist:

Faculty Mentor:

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* *Select Student Nominee(s)*
* *Nominees Reference forms*
* *Assist the nominee with the development of the research proposal*

Student Nominees:

* *Completed application form*

*Please be sure to include your home and school address, telephone number, e-mail, and SCID#*

* *Research Proposal (maximum of 2 pages)*

All application materials can be submitted to Mr. S. Jermaine Duffie

Project Manager, ASPIRE

Science Center Room 335

Email: [sduffie@spelman.edu](mailto:sduffie@spelman.edu)

Phone: 404-270-5775