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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:** Mislie Jean-Baptiste **SCID#**: 900448935

**ADDRESS:** 350 Spelman Lane SW / C.B. 689 341 Chelsea Ave

Atlanta, GA 30314 Kansas City, MO 64124

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

| Major | Current GPA |
| --- | --- |
| Biology | 3.01 |
| Classification: Junior | |

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

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

Investigating the Effect of MSH2-G693S Mutation on Mismatch Repair System in the Development of HNPCC, Spring 2012, with Dr. Powolny

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Nominee: \_\_\_\_\_\_\_\_\_\_\_ Mislie Jean-Baptiste \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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.

I have been looking for the right kind of students to conduct research in bioinformatics and computational biology for more than three years. I now believe that I finally find one – she is

Miss Mislie Jean-Baptiste. She joined my lab to pursue her interest in bioinformatics and health disparity. In order to conduct the bioinformatics research, she has been learning Python by herself in an astonishing pace that are even faster than the students in CIS115 – a course that teaches basic Python programming. These are evidence of self discipline, strong motivation, and strong self-learning ability that, I think, are important factors for success. I do not have any doubt that she is exactly the kind of students that ASPIRE program should support, and I firmly believe that she would become a successful story that ASPIRE would be proud of.

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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