RESEARCH IN ECOLOGY 2014
JUNE 9 – JULY 19, 2014
STUDENT APPLICATION

Student name:__________________________________________________________

Street Address: _________________________________________________________

City: ___________________________ State: _________ Zip code: ________________

Telephone number, including area code: (_______) _________________________

Parent/Guardian Email address ____________________________________________

Dade County Student ID # (mandatory) ________________________________

Gender: male _________ female __________

Date of birth: (month/date/year) ____________________________

Ethnicity: White (non-Hispanic) ____, Black ____, Hispanic ____, Asian ____,

                  Pacific Islander ____,          American Indian or Alaskan Native ___

Name of Parent of Guardian with whom you live: ____________________________

Full name of school that you are presently attending: _______________________

City: ___________________________ State: _________ Zip: ________________

School telephone number: (_______) ________________________________

What is the name of your sixth grade science teacher?

______________________________________________

Indicate grade in which you were enrolled as of this past September. (circle one)

Grade: 6    7    8    9    10   11   12

Which best describes the location of your school? (check one)

______ Large-size city       ______ Small town

______ Suburb of a large city ______ Rural Area

______ Medium-size city
Please select the type of school this is. (check one)

_____ Public  
_____ Private non-religious

_____ Private religious  
_____ Don't know

Who do you think had the most influence on whether you took science or math courses?

_____ I did  
_____ Friends

_____ Counselors  
_____ Teachers

_____ Parents/Guardians  
_____ Brothers/Sisters

Check all of the following courses that you have completed or are currently taking. Please also indicate if there was/is a lab activity with the course.

<table>
<thead>
<tr>
<th>Mathematics/Computer Science</th>
<th>Check below if there was lab activity</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mathematics, grade 6</td>
<td></td>
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<tr>
<td>Mathematics, grade 7</td>
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<tr>
<td>Mathematics, grade 8</td>
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<tr>
<td>Pre-algebra</td>
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<tr>
<td>Algebra, first year</td>
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<tr>
<td>Algebra, second year</td>
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<tr>
<td>Geometry</td>
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<td>Trigonometry</td>
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<tr>
<td>Computer Science/Programming</td>
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<tr>
<td>Probability/Statistics/Discreet Mathematics</td>
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<tr>
<td>Advanced Mathematics, Pre-Calculus</td>
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<tr>
<td>Calculus</td>
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<tr>
<td>AP Calculus</td>
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</table>

<table>
<thead>
<tr>
<th>Science</th>
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</thead>
<tbody>
<tr>
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<tr>
<td>Science, grade 8</td>
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<tr>
<td>Biology</td>
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<tr>
<td>Environmental/Life Sciences</td>
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<tr>
<td>Chemistry</td>
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<td>Physics</td>
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<td>Physical Science</td>
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<td>Earth/Space Sciences</td>
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<tr>
<td>Principles of Technology</td>
<td></td>
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<tr>
<td>Advanced Science/AP Science</td>
<td></td>
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<tr>
<td>Other Advanced Science</td>
<td></td>
</tr>
</tbody>
</table>
What is your approximate average this year in all subjects combined? (circle one)

A B C D F Classes not graded

For each of the school subjects listed below, select the statement that best describes your grades from sixth grade until now.

**English:**
- Mostly 'A's (90 - 100)
- Mostly 'B's (80 - 89)
- Mostly 'C's (70 - 79)
- Mostly 'D's (60-69)
- My classes are not graded

**Mathematics:**
- Mostly 'A's (90 - 100)
- Mostly 'B's (80 - 89)
- Mostly 'C's (70 - 79)
- Mostly 'D's (60-69)
- My classes are not graded

**Science:**
- Mostly 'A's (90 - 100)
- Mostly 'B's (80 - 89)
- Mostly 'C's (70 - 79)
- Mostly 'D's (60-69)
- My classes are not graded

**Social Studies:**
- Mostly 'A's (90 - 100)
- Mostly 'B's (80 - 89)
- Mostly 'C's (70 - 79)
- Mostly 'D's (60-69)
- My classes are not graded

How far in school would you like to go? I would like to...
- drop out of high school
- graduate from high school, but won't go any farther
- go to vocational, trade or business school after high school
- attend college
- graduate from college
- attend a higher level school after graduating from high school

If you plan to go to college, list your choice of majors:

**First choice:**
- Agriculture and Natural Resources
- Architecture and Environmental Design
- Biological Sciences
- Business and Commerce
- Communications (Advertising, Journalism, etc.)
- Computer and Information Sciences
- Education
- Engineering and Engineering Technologies
- Foreign Languages/Classical Languages
- Health Professions (e.g., Nursing, Pre-medicine)
- Home Economics
- Language and Literature

- Library Science
- Mathematics/Mathematical Sciences
- Military Sciences
- Philosophy, Religion, and Theology
- Astronomy
- Chemistry
- Environmental Sciences (Earth/Atmospheric Sciences, Geology)
- Physics
- Psychology
- Social Sciences (e.g., Economics, Political Science, Sociology)
- Technical/Vocational

- Other

If you selected "other," please specify: ____________________________
### Second choice:
- Agriculture and Natural Resources
- Architecture and Environmental Design
- Biological Sciences
- Business and Commerce
- Communications (Advertising, Journalism, etc.)
- Computer and Information Sciences
- Education
- Engineering and Engineering Technologies
- Foreign Languages/Classical Languages
- Heath Professions (e.g., Nursing, Pre-medicine)
- Home Economics
- Language and Literature
- Library Science
- Mathematics/Mathematical Sciences
- Military Sciences
- Philosophy, Religion, and Theology
- Astronomy
- Chemistry
- Environmental Sciences (Earth/Atmospheric Sciences, Geology)
- Physics
- Psychology
- Social Sciences (e.g., Economics, Political Science, Sociology)
- Technical/Vocational
- Other

If you selected "other," please specify: __________________________

### Third choice:
- Agriculture and Natural Resources
- Architecture and Environmental Design
- Biological Sciences
- Business and Commerce
- Communications (Advertising, Journalism, etc.)
- Computer and Information Sciences
- Education
- Engineering and Engineering Technologies
- Foreign Languages/Classical Languages
- Heath Professions (e.g., Nursing, Pre-medicine)
- Home Economics
- Language and Literature
- Library Science
- Mathematics/Mathematical Sciences
- Military Sciences
- Philosophy, Religion, and Theology
- Astronomy
- Chemistry
- Environmental Sciences (Earth/Atmospheric Sciences, Geology)
- Physics
- Psychology
- Social Sciences (e.g., Economics, Political Science, Sociology)
- Technical/Vocational
- Other

### If you plan to go to college, what career field do you think you would like to try after finishing school?
- Engineering
- Business
- Law
- Computer Technology
- Medical Research
- Health Practitioner (e.g., Nurse, Doctor, Dentist)
- College Professor - Math or Science
- College Professor - not Math or Science
- Elementary/Secondary Teacher - Math or Science
- Elementary/Secondary Teacher - not Math or Science
- Other field not science, engineering or math
- Don't know
- Don't plan to go to college

### How likely is it that you will become a scientist, engineer, or mathematician, or teach in these fields in the future?
- Better than 50% chance
- 50% chance
- Less than 50% chance
What is the highest level of schooling completed by your mother or female guardian?

_____ Did not finish high school
_____ Graduated from high school GED
_____ Attended a vocational school
_____ Attended a junior college
_____ Attended a community college
_____ Attended another two-year school
_____ Went to college but did not complete 4-year degree
_____ Don't know

What is the highest level of schooling completed by your father or male guardian?

_____ Did not finish high school
_____ Graduated from high school GED
_____ Attended a vocational school
_____ Attended a junior college
_____ Attended a community college
_____ Attended another two-year school
_____ Went to college but did not complete 4-year degree
_____ Don't know

Indicate the present primary occupation of your mother and father (or, if one is deceased or retired, please indicate his or her past primary profession).

Mother or female guardian:

_____ Engineer, including college faculty
_____ Scientist, including college faculty
_____ Mathematician, statistician, or computer scientist including college faculty
_____ Other college faculty
_____ Pre-college math or science teacher
_____ Other pre-college teacher
_____ Health occupations (doctor, nurse, lab technician, etc.)
_____ Other professional occupation
_____ All other occupations
_____ Don't know

Father or male guardian:

_____ Engineer, including college faculty
_____ Scientist, including college faculty
_____ Mathematician, statistician, or computer scientist including college faculty
_____ Other college faculty
_____ Pre-college math or science teacher
_____ Other pre-college teacher
_____ Health occupations (doctor, nurse, lab technician, etc.)
_____ Other professional occupation
_____ All other occupations
_____ Don't know
Have you attended other programs sponsored by the Howard Hughes Medical Institute or the University of Miami Biology Department?

_____ YES  _____ NO

If yes, please indicate the names of the universities or organizations that sponsored the programs you attended. Also please list the names of the project directors and the years you attended.

________________________________________________________________________

________________________________________________________________________

Without help from others, write an essay (no longer than 100 words) in the space below, explaining why you want to participate in this program. (use the reverse side of this sheet, if necessary).

DEADLINE: MAY 1, 2014

Please email, mail or fax completed form to:
Office of Undergraduate Research & Community Outreach
Attn: Dr. Janne Nielsen
1365 Memorial Drive
103 Ungar Building
Coral Gables, FL 33146-0480
Office: (305) 284-5058 Fax: (305) 284-8278
Email: j.nielsen@umiami.edu