HHMI-funded Interdisciplinary Research Program
Application form for Undergraduate Research Participants

Name        B-number
Major        Other major(s), minor(s)
Semester and year of entry into BU Expected graduation
E-mail address
Phone number

Optional: Check all that apply
☐ Male            ☐ Female
☐ Hispanic        ☐ Non-Hispanic
☐ African-American ☐ Asian or U.S. Pacific Islander (e.g. Guam, Samoa)
☐ White           ☐ Native American or Alaskan/Hawaiian native

ACADEMIC BACKGROUND

List for each institution attended, all courses in computer science, engineering, mathematics, and the natural sciences, and grades received
GPA in computer science, engineering, mathematics and the natural sciences

Number of credits completed overall
GPA overall

RESEARCH EXPERIENCE

Have you had research experience?        Yes/No
If yes, please indicate specifics
   High school / college / both high school and college Circle
   In conjunction with a program? If yes, specify ______________________________
Mentor(s) - name, department, institution

Describe your research project in your own words - the goal, what you did, what you accomplished

Indicate your level of independence in the project toward the end of that research. Check all that apply.

☐ I was taught procedures and given specific instructions to carry out.
☐ I had to develop techniques / instruments / programs.
☐ The research project was my idea.
PERSONAL STATEMENT

Select three of the following questions. Provide answers in short paragraphs of 100-150 words for each of the three questions OR write one essay that includes answers to three of the questions (300 to 450 words).

1. Write about an obstacle that you have had to overcome and what you did about it.
2. Describe your career goals. What do you see yourself doing 10 years from the time you earn your last degree?
3. If you have not done research, what makes you think that you will like it?
4. If you have done research before, what did you like best about that experience? What did you like least?
5. What do you expect to get out of this program?

REFERENCE

Name and e-mail address of a faculty member, research scientist or graduate student who can write with respect to your research work, and who has agreed to do so for you. If you have not done research before, ask someone who knows how you work in the laboratory or on a project.

EXPERIENCE WITH TEAMWORK

How would you describe your experience working with peers on a project? Select one.

___ Very difficult – working by myself, I could have done it better, faster and with less fuss
___ Easier – more enjoyable than working by myself, although I could have done it by myself
___ Productive – everyone brings different skills and the project turned out better than I alone could have done

FAMILIARITY WITH INTERDISCIPLINARY THINKING

Yes / No Have you taken a course that required you to apply what you learned in one academic discipline to another?
Yes / No If yes, would it have made a difference in your grade if you could not relate what you had learned in the separate disciplines?
Yes / No Have you been involved in a research project that required you to apply what you learned in more than one academic discipline?
Yes / No If yes, would it have made a difference in your success if you could not relate what you had learned in the separate disciplines?

DESIRED RESEARCH ENVIRONMENT

The following statements describe different types of research goals and environments. For each pair, indicate the statement that best describes you and your preference. This will help us match you to the most suitable project, faculty mentor and research team.

___ I would like a lot of guidance at the beginning.
___ I usually like working independently.
___ I would like to work in a big group.
___ I would be happier working with few people.
___ I characterize myself as introspective.
___ I characterize myself as outgoing.
___ An ideal research project for me is one that helps people.
___ An ideal research project for me is one that I find intellectually stimulating.
___ Before I start something, I like to know what I am trying to reach.
___ I think it would be more exciting to explore and see where the research takes me.

SUBMISSION

Send this as e-mail attachment to annatan@binghamton.edu. Deadline: February 18, 2011.
Send by campus mail to Dr. Anna Tan-Wilson, Dept. of Biological Sciences