The Howard Hughes Medical Institute (HHMI) summer research program invites outstanding Davidson College students to collaborate with a participating faculty mentor on a ten-week summer research project in the biomedical sciences. In addition to a rich research component, this program includes weekly participant meetings to discuss research and develop professional skills for success in the sciences.

PROGRAM DETAILS
Application Deadline: 13 February 2009 (3:00 PM)
Notification Date: 16 March 2009
Program Dates: 26 May – 31 July 2009
Student Scholarship: $4000
On-campus Housing Allowance: $1000
Travel Support to Scientific Meeting: $500

FACULTY MENTORS & PROJECTS:
more information at: www.bio.davidson.edu/programs/HHMI04/summerfellow.html
Dr. Campbell (Biology) – Designing and Building Bacterial Computers
Dr. Lom (Biology) - Developmental Neurobiology
Dr. Sarafova (Biology) - CD4+ helper T cell homeostasis
Dr. Wessner (Biology) - Analysis of Reovirus Disassembly, Replication, and Pathogenesis
Dr. Myers (Chemistry) - Folding & Misfolding of Myelin P0 Mutants Implicated in Peripheral Neuropathy
Dr. Stevens (Chemistry) - Synthesis of Nucleoside Analogs
Dr. Heyer (Math) - Designing and Modeling Bacterial Computers
Dr. Smith (Psychology) – Physical Activity and Drug Self-Administration
Dr. Ramirez (Psychology) – The Functional Significance of Brain Plasticity

ELIGIBILITY
This program is open to current Davidson students who will graduate after June 2009.
Successful applicants often:
--are highly motivated
--are intellectually sharp
--are inherently curious
--have strong analytical skills
--have demonstrated desire to conduct scientific research
--learn effectively from their experiences
--can think and work both independently and as part of a team
--have completed appropriate introductory science courses
--have completed at least one appropriate advanced lab course

APPLICATION INSTRUCTIONS
All applications materials (completed form, two statements, and transcript) must be submitted in a single envelope addressed to “Dr. Barbara Lom - HHMI Summer Research Program” and delivered to her mailbox in the Biology Department office (Watson 162) no later than 3:00 PM on Friday, February 13, 2009.

For further information:
www.bio.davidson.edu/programs/HHMI04/summerfellow.html
Dr. Barbara Lom (balom@davidson.edu)
A. Biographical Information (type or print legibly):

Name (Last, First, Middle Initial) __________________________________________________________

_____ US Citizen  _____ Permanent Resident  _____ Other non-US Citizen

Date of Birth: _____/_____/______  Gender: _____ Female  _____ Male

Full Permanent Address (Parent’s):

Street Address: ________________________________________________________________

City: __________________________________ State: __________ Zip: __________

Current Address (if different from permanent address):

Campus/Street Address: __________________________________________________________

City: __________________________________ State: __________ Zip: __________

Email ______________________________ Phone: (____) __________________

Major: __________________________________ GPA in major: _______________________

Advisor's Name: ______________________ GPA overall: _______________________

Year currently in school (CHECK ONE): ___ first year  ____ sophomore  ___ junior  ___ senior

When do you expect to receive your Bachelor’s degree? _____/_______ (Month/Year)

Describe your plans after graduation: ________________________________________________

__________________________________________

B. Demographic Information (voluntary):

The HHMI summer research program encourages research participation of individuals from groups underrepresented in the biomedical sciences. Completion of this section is not required for consideration to the program. Please check all categories that apply to you.

___ African American  ___ Asian American  ___ Hispanic/Latino  ___ Native American

___ Pacific Islander  ___ White (non Hispanic)  ___ Biracial/Multiethnic

___ Other (Describe) ________________

___ Disability (Describe) ________________

C. Signature

SIGNATURE ___________________________ DATE ___________________________
D. References
List three people familiar with your academic and/or research work who have agreed to serve as personal references. 
*Note: you do not need to request a letter of recommendation from these individuals, but the HHMI summer program may chose to request a verbal and/or written reference from these individuals in the process of evaluating your application.*

1. Name: 
Title: 
Institution: 
Phone: (______) Email: 

2. Name: 
Title: 
Institution: 
Phone: (______) Email: 

3. Name: 
Title: 
Institution: 
Phone: (______) Email: 

E. Statement of Purpose (one-page essay):
In a single page, create a portrait of who you are as a student and potential scientist. When preparing your statement, please pay close attention to the criteria and characteristics of strong candidates listed on the cover page of this application. Be specific and thorough in your response. Describe relevant coursework and research experiences that make you a strong candidate. Share your expectations and reasons why you feel particularly qualified for the HHMI summer research program. Specify events and/or people that influenced your educational goals and career objectives and explain how your goals fit into the biomedical sciences.

F. Statement of Research Interest (one-page essay):
In a one-page essay, explain why you are most interested a specific research project/mentor listed on the cover page of this application form. 
*Note: you are encouraged to contact faculty mentors before submitting your application in order to learn more about their specific research projects, expectations, etc.*

G. Transcript
Attach a copy of your most recent Davidson transcript. 
*Note: an official transcript is not necessary.*