November 10, 2015

Dear Student,

Thank you for considering the Summer Scholars Program at the Broad Institute of MIT and Harvard. The Broad Institute is world renowned as a pioneer in genomics, bringing together leading scientists from many disciplines to tackle ambitious challenges in biomedicine. The Broad Summer Scholars Program (BSSP) welcomes promising students with a strong sense of curiosity from Cambridge, Boston, and surrounding communities to work alongside Broad scientists to experience cutting-edge research.

The BSSP will run for six weeks from June 27, 2016-August 5, 2016. We will match students with Broad scientists to conduct an original, cutting-edge research project in areas such as: cancer biology, chemical biology, computational biology, or genome sequencing and analysis. In addition to original research, students will meet and hear about the groundbreaking research of accomplished faculty and scientists from MIT, Harvard, the Broad and other top research institutions, present their research in a poster symposium, attend a college fair, and meet other young scientists conducting research at the Broad and beyond.

The BSSP is nonresidential and open to rising high school seniors who live within commuting distance of the Broad Institute. Stipends are available for those applicants who qualify. The deadline to receive the completed application form, including teacher recommendations, is January 29, 2016. Applicants to BSSP will be notified of their selection on or before April 15, 2016.

Thank you again for your interest in the Broad Institute! Please contact rgesser@broadinstitute.org if you have additional questions.

Sincerely,

Rachel Gesserman

Education and Outreach Manager
2016 Broad Summer Scholars Application

Part I: Applicant and School Information

Print and mail completed application to Rachel Gessereman, Broad Institute, 75 Ames Street, Room 6057, Cambridge, MA 02142. **ALL** application materials must be received by **January 29, 2016**.

Reminder: Be sure to include the following:

- Unofficial High School Transcript
- PSAT math, critical reading and writing scores or SAT or ACT test results.

### APPLICANT INFORMATION

<table>
<thead>
<tr>
<th>Last Name</th>
<th>First Name</th>
<th>Middle Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Surname)</td>
<td>(Spell out fully)</td>
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<table>
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<table>
<thead>
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<th>Cell Phone Number</th>
<th>Email Address</th>
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<table>
<thead>
<tr>
<th>Birthdate</th>
<th>Grade Enrolled (Fall 2015)</th>
<th>College Start Date</th>
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</table>
2016 Broad Summer Scholars Application

Part I: Applicant and School Information (continued)

DEMOGRAPHIC INFORMATION

We welcome applications from highly motivated individuals, and encourage applications from underrepresented groups in the sciences (e.g. women, minorities, and individuals with disabilities).

Gender
- □ Female
- □ Male

Race/Ethnicity
- □ Black/African American
- □ Hispanic/Latino
- □ American Indian/Alaskan Native
- □ Asian
- □ Native Hawaiian/Native Pacific Islander
- □ White
- □ Other:
- □ Decline to State

Do you qualify for reduced/free lunch?
- □ Yes
- □ No
2016 Broad Summer Scholars Application

Part I: Applicant and School Information (continued)

PARENT/GUARDIAN INFORMATION

Parent 1:

Parent/Guardian Prefix Parent/Guardian First Name Parent/Guardian Last Name

______________________________ ____________________________ ____________________________
(Dr./Mr./Mrs./Ms./Miss)

Daytime Phone Number Home Phone Number E-mail Address

__________________________ ____________________________ ____________________________

Highest degree attained:

________________________

Parent 2 (optional):

Parent/Guardian Prefix Parent/Guardian First Name Parent/Guardian Last Name

______________________________ ____________________________ ____________________________
(Dr./Mr./Mrs./Ms./Miss)

Daytime Phone Number Home Phone Number E-mail Address

__________________________ ____________________________ ____________________________

Highest degree attained:

________________________

HIGH SCHOOL INFORMATION

High School Name

________________________________________

City State

__________________________ ____________________________
2016 Broad Summer Scholars Application

Part II: Applicant Questions

To be completed by applicant.

Please type or clearly print answers.

1. Please complete the following charts indicating course work through the end of the 2015-2016 school year.

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<thead>
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<th>COURSE LEVEL</th>
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<tbody>
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<tr>
<td>AP</td>
<td>College</td>
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<tr>
<td>Other: (specify)</td>
<td>_______________________</td>
</tr>
<tr>
<td>Regular</td>
<td>Honors</td>
</tr>
<tr>
<td>AP</td>
<td>College</td>
</tr>
</tbody>
</table>

2. Based on your knowledge of the Broad’s research, please list up to four areas of interest, in the order in which they interest you. If selected, we will do our best to place you in a lab doing work in these areas.

1. ____________________________
2. ____________________________
3. ____________________________
4. ____________________________
Part II: Applicant Questions (continued)

Please respond to Questions 3 to 11 on separate paper, not to exceed a total of three single-spaced typewritten pages. Provide specific details that give strong evidence of your promise in the sciences and mathematics. Should you be accepted, this information will be used to place you with a research mentor.

Please use 12-point font.

3. What aspects of spending a summer at the Broad Institute most appeal to you? Why did you apply?

4. What are your long-range goals?

5. For at least two of the research areas named in Question 2 above, describe why this area is intriguing or exciting to you. Please state what you perceive as the one or two most interesting questions or problems in that area. Explain why these questions interest you.

6. Briefly describe any past research experience, if applicable.

7. Briefly describe any past experience with or interest in computer programming (e.g. Java, Unix, LaTex, Perl), modeling, simulation and data analysis, if applicable.

8. What other extracurricular activities and/or hobbies demonstrate your interest and ability to undertake biomedical research? (For example, describe your participation and/or accomplishments in math or science competitions, research internships, and awards received.)

9. Describe your involvement and participation in extracurricular and community activities that do not relate directly to science, technology, engineering, or mathematics.

10. List any other summer science programs to which you have applied.

11. Students are required to spend 6 weeks at the Broad Institute working full time, with occasional evening time spent planning and analyzing experiments and data, preparing for presentations, and attending lectures or social events. The official program dates are June 27, 2016 – August 5, 2016. Please list any other activities or circumstances, along with their time commitment, that may conflict with the 6-week program (such as additional classes planned for that time, work or family obligations, or club or sporting activities). Note: the Broad Institute will be closed July 4th.
2016 Broad Summer Scholars Application

Part III: Academic Documentation

Please include:

- Unofficial high school transcript
- Copies of PSAT math, critical reading and writing scores or SAT or ACT test results
2016 Broad Summer Scholars Application

Part IV: Teacher Recommendation

To be completed by any two of the following: applicant's research supervisor, science teacher, or math teacher.

Please type or clearly print answers.

Student's Last Name  Student's First Name
_____________________  ______________________
(Surname)

Please return this recommendation to the student in a sealed envelope with your signature on the back. Feel free to use additional space or provide a letter on your school stationery if preferable.

1. What do you consider to be this student's fundamental, intellectual, and personal strengths and challenges, which should be considered when evaluating his/her candidacy for the Broad Summer Scholars Program? In particular, please give specific examples of how this student has pursued independent learning and why this student will thrive in a research-intensive summer program at the Broad. Also, please highlight this student's potential for leadership in science and math.

Teacher Name  Subject(s) Taught/Supervised  Signature  Date
_____________________  ______________________  ______________________  ______

Email Address  Name of School  School Phone Number
_____________________  ______________________  ______________________

2016 Broad Summer Scholars Application

Part V: Applicant and Parent/Guardian Releases

To be completed by applicant and parent/guardian.
Please type or clearly print.

APPLICANT

I ________________________________, hereby grant permission for my name to be placed in candidacy for selection to the Broad Institute’s Summer Scholars Program. I request that all school data in support of my nomination (including grades and standardized test scores) be at the disposal of the Broad Institute. If accepted to the BSSP, I agree to participate in all program activities and abide by all program rules.

Applicant’s Signature

____________________________________

Date

PARENT/GUARDIAN

I ________________________________, hereby grant permission for my child’s name to be placed in candidacy for selection to the Broad Institute’s Summer Scholars Program. I grant access to my child’s grades and standardized test scores (including PSAT and SAT). If selected to participate in BSSP, I will ensure my child attends all daily program activities and abides by all program rules. Students are expected to perform research and engage in other BSSP activities at the Broad Institute daily from 9am-5pm, and will also attend Midsummer Nights’ Science lectures and other occasional evening activities. Additional evening work, such as background reading or preparing for presentations of their work, is also expected.

Parent/Guardian
Prefix

First Name

Last Name

(Dr./Mr./Mrs./Ms./Miss)

Daytime Home

Phone Number Phone Number

E-mail Address

____________________________________

Parent/Guardian Signature

____________________________________
2016 Broad Summer Scholars Application

Part VI: Application Components

There are 5 components to this application. For the application to be complete, all 5 must be in our office by January 29, 2016:

Part I: Completed Applicant, Parent/Guardian, and High School Information

Part II: Completed answers to Applicant Questions

Part III: An unofficial high school transcript and standardized tests scores report.

Part IV: Two recommendations by Teachers and/or Laboratory Supervisor, in sealed and signed envelopes.

Part V: Completed and signed applicant and parent/guardian release.

All parts of the student application should be enclosed in one envelope and sent to:

Rachel Gesserman
Broad Institute
75 Ames Street, Room 6057
Cambridge, MA 02142

All applications must be received on or before January 29, 2016. Partial applications or applications received after January 29, 2016 will be considered incomplete and will not be considered.

(January 29, 2016 postmarks are NOT acceptable)