**Application Instructions for the Opportunities in Genomics Research: Undergraduate Scholars 2016 Summer Program at The McDonnell Genome Institute at Washington University in St. Louis**

Follow the instructions for completing the application for admission to the 2016 OGR Undergraduate Scholars Summer Program:

1. Carefully complete **all** parts of the application including the Personal Statements section. If any parts of the application are incomplete, your application **will not** be reviewed
2. A completed application includes:

An Application form

Two recommendation forms from STEM faculty (see exceptions below)

Official or unofficial transcript(s)

Resume (optional)

1. To complete your application, send the following supplementary documents:
	* + Official copies of your transcript(s) from the beginning of your undergraduate education through Fall 2015 semester or quarter (include work from all institutions attended e.g. two-year college). **If accepted to the program, a transcript reflecting the spring 2016 semester will be required, prior to matriculation in the program.**
		+ Two faculty recommendation **forms** should be sent from your referees using the online form (genome.wustl.edu/outreach/programs/faculty-recommendation-form/). Only recommendations from faculty at undergraduate institutions or higher will be considered. Both recommendations must be from a faculty in a STEM field (science, engineering, technology, mathematics). **The recommendation forms MUST originate from the referees’ email address**. To obtain a recommendation form or to submit a form, email us at: outreach@genome.wustl.edu. (NOTE: Letters can supplement the form, but they will not be accepted in lieu of the form)

ALL application materials may be submitted electronically (**in PDF format)** to (preferred): outreach@genome.wustl.edu

Or via mail:

The McDonnell Genome Institute

4444 Forest Park Ave

Campus Box 8501

St. Louis, MO 63108

**ATTN: Outreach Dept**

**The McDonnell Genome Institute at Washington University in St. Louis**

**Opportunities in Genomics Research 2016**

**Undergraduate Scholars Summer Program Application**

***APPLICATION DEADLINE:* Feb. 8, 2016**

***PROGRAM DATES:* May 25 – July 29, 2016**

*\*\* Note that your application is not complete until all supplementary materials have been received. See application instructions for more information.*

**Applicant Information:**

Last Name First Name Middle Initial

Date of Birth

Current Address

Primary Phone (indicate: cell or home phone)

Personal E-mail Address

School E-mail Address

Permanent Address

Secondary Phone (indicate: cell or home phone)

Do you have active accounts with any of the following social media

\_\_Facebook

\_\_ Linked In

\_\_Twitter

\_\_MySpace

\_\_Other, indicate \_\_\_\_\_\_\_\_\_

**Citizenship: (please check one)**

 U.S. Citizen Permanent Resident

**Background Information**

Gender:

**\_\_**Male

**\_\_**Female

**\_\_**Other (specify)\_\_\_\_\_\_\_\_\_

**\_\_**No Response

Racial Identification (check all that apply) :

 Black/African American; please indicate (eg. Afro-Caribbean, etc.) \_\_\_\_\_\_\_\_

 White/Caucasian

 Asian; please indicate (eg. Chinese, Japanese, Vietnamese, etc.)\_\_\_\_\_\_\_

\_\_\_Asian Indian; please indicate (eg. Bangladeshi, Sri Lankan, etc.) \_\_\_\_\_\_\_\_\_

 Native American/American Indian; Tribe\_\_\_\_\_\_\_\_\_\_

 Pacific Islander; please indicate (Samoan, Hawaiian, etc.)\_\_\_\_\_\_\_\_\_\_

\_\_\_Other \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 No Response

Ethnicity:

\_\_Hispanic, Latino or Spanish Origin

\_\_NOT Hispanic, Latino or Spanish Origin

\_\_No Response

If you selected Hispanic ethnicity (check all that apply)

\_\_\_Mexican/Chicano

\_\_\_Puerto Rican

\_\_\_Other Carribean (eg. Dominican, Cuban, etc)

\_\_\_South American

\_\_\_Central American

\_\_\_European

\_\_Other; please indicate\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_ No Response

Primary Language spoken \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Secondary Language spoken\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Socioeconomic Status**

***\*\*Please note****: This is entirely voluntary and we would appreciate you completing this information for data collection purposes)*

Have you ever qualified for any of the following? (select all that apply)

\_\_Federal Disadvantaged Assistance

\_\_Scholarships for Individuals with Exceptional Financial need (eg Pell Grant)

\_\_Health Professional Student loans (HPSL)

\_\_Loans for Disadvantaged Student Program

Are you first-generation college? \_\_\_ yes \_\_\_ no

Highest education level completed by parent(s) or guardian(s):

Father or Primary Guardian

\_\_\_High school diploma/GED

\_\_\_Associates

\_\_\_Bachelors

\_\_\_Masters

\_\_\_PhD

\_\_\_Professional degree (MD, JD, other); please indicate\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_No response

Mother or Secondary Guardian

\_\_\_High school diploma/GED

\_\_\_Associates

\_\_\_Bachelors

\_\_\_Masters

\_\_\_PhD

\_\_\_Professional degree (MD, JD, other); please indicate\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_No response

Primary Parents/guardian Occupation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Secondary Parent/guardian Occupation \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Washington University School of Medicine will make reasonable accommodations for persons with learning or physical disabilities or persons that need special considerations for health related or religious reasons. Please indicate whether you need such accommodations or considerations.

Yes\_\_\_\_\_\_ No\_\_\_\_\_\_\_ If yes, provide a brief explanation here.

**Educational Information**

Current College/University

Period of Attendance (month/year) to (month/year)

Anticipated Date of Graduation (month/year)

Major

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Anticipated Degree (e.g. Bachelors of Science)

\_\_\_\_\_\_\_GPA (cumulative only)

\_\_\_\_\_\_\_ GPA in STEM (\*see instructions-Calculating STEM GPA)

\_\_\_\_\_\_\_ Indicate the scale if other than 4.0

Current Class Standing (at time of application)

 Freshman Sophomore Junior Senior

Previous Colleges/Universities Attended

Name College/University

Period of Attendance (month/year) to (month/year)

Major

\_\_\_\_\_\_\_GPA (cumulative only)

\_\_\_\_\_\_\_ GPA in STEM (\*see instructions-Calculating STEM GPA)

\_\_\_\_\_\_\_ Indicate the scale if other than 4.0

Have you earned a degree at any previous institutions? Yes\_\_\_ no\_\_\_\_ please indicate degree and institution

Indicate any STEM courses in which you are currently enrolled, but may not appear on your transcript.

How did you learn about this program? (Check all that apply):

 Instructor/Program Director, Name

 Conference, Name

\_\_\_\_\_\_Email

 Brochure/Flier

 Website

\_\_\_\_\_\_Career Fair/Campus Visit, Where\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_Word of mouth

\_\_\_\_\_\_Former OGR student

 Other, Please indicate

Future Interests

Select all that apply to the indicated questions

\_\_I plan to enter a graduate program after graduation (eg. masters or doctorate)

\_\_I plan to enter a professional (eg. medical, dental etc.) program after graduation

\_\_I have applied for admission to graduate programs

\_\_I have applied for admission to professional programs

\_\_I have interests other than graduate or professional school

Please indicate the graduate/professional degree program of interest:

 PHD

 MD/PHD

 MD

\_\_\_\_\_\_DDS

\_\_\_\_\_\_Masters

\_\_\_\_\_\_Other; please indicate\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Do you plan to take any of the following? (check all that apply)

GRE \_\_\_\_\_\_

MCAT\_\_\_\_\_

DAT\_\_\_\_\_

PCAT\_\_\_\_\_

LSAT\_\_\_\_\_

GMAT\_\_\_\_\_\_

Other (indicate)\_\_\_\_\_\_\_\_

Have you ever taken the GRE? \_\_\_\_\_ Yes \_\_\_\_\_\_No

If yes, the date you took the test (month/year)

What was your last score: Q\_\_\_\_ V\_\_\_\_\_ Writing\_\_\_\_\_

Have you ever taken the MCAT \_\_\_\_Yes \_\_\_\_No

If yes, what were your last scores?

\_\_\_\_Bio Sci \_\_\_\_\_Phys Sci \_\_\_\_\_Verb Reas \_\_\_\_\_Writing

**Research Experience/Skills**

Have you participated in any research excluding course work (eg. summer or academic year internships).

\_\_\_ No

\_\_\_ Yes (please list the details of each internship in the grid below.) (they must complete the grid)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year  | Name of Program | Institution | Name ofPI/email address | Research Area | Length of Internship(mm/yyyy to mm/yyyy) |
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Have you or do you currently participate in any of the following programs (check all that apply)

\_\_OGR

\_\_MARC-USTAR

\_\_MBRS- RISE

\_\_IMSD

\_\_LSAMP

\_\_AMGEN

\_\_Leadership Alliance

\_\_ McNair Scholars

\_\_NSF-REU

\_\_SURF

\_\_SMDEP

\_\_Others (indicate full name of program and institution of participation)

*Please indicate whether you have been involved in any of the activities during your undergraduate matriculation*

1. Attended a conference or societal meeting for students majoring in the biomedical sciences (e.g., ABRCMS, SACNAS) No Yes
2. Presented a poster at a biomedical conference or societal meeting No Yes
3. Participated in sessions focused on graduate school planning and preparation for the biomedical fields No Yes
4. Participated in a business or industry related internship related to a biomedical field No Yes
5. Served as a mentor/tutor to other undergraduates majoring in biomedical areas No Yes
6. Co-authored a biomedical research publication (for a peer reviewed journal) No Yes
7. Participated in a GRE/MCAT preparation course or workshop No Yes
8. Prepared a science abstract for your research project No Yes

Please list any research techniques you have been taught and/or competently perform in the lab (ex. gel electrophoresis, micropipetting, tissue culture, BLAST, etc). Alternatively, you may write "see resume", only if your resume contains such details.

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Honors/Achievements**

Please list any academic awards/honors received during your undergraduate matriculation. Write N/A if not applicable

|  |  |
| --- | --- |
| Name of Award/Honor(eg., Dean’s List) | Year(s) Award received(eg. 2007-2008) |
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List any STEM-related organizations, honor societies, or programs, in which you have participated during your undergraduate matriculation.

|  |  |  |  |
| --- | --- | --- | --- |
| Name of Organization (eg. Beta Kappa Chi, Biology Club, MARC USTAR, etc) | Year(s) Involved | Duration (eg. 3 months) | Offices held |
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List any substantial involvement in community activities. (note: you can list organizations you belong to at your school as well as external organizations, as long as it provides a service to the university or the outside community. Examples include, your fraternity/sorority conducts a campus clean-up once a month, or your church group reads to the elderly bimonthly at a nursing home, you volunteer at a hospital once a week, etc.)

|  |  |  |
| --- | --- | --- |
| Name of Organization  | Year(s) Involved and Frequency (eg. 2008/once/month) | Your duties or primary activities of the group |
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**Personal Statement Section**

**Please write short statements to answer the five questions below. These statements should be brief, yet thorough. Use complete sentences.**

Who or what has influenced your potential career choice?

What are your current research or science interests and why?

Why do you want to pursue a career in science, technology, engineering or mathematics?

What steps have you taken to pursue your career of interest?

Why do you want to participate in the OGR program?

**Attachments**

1) Please enter or cut and paste any published **abstracts** from previous research (include title, author list with institutional affiliations, and name of publication or meeting where abstract appears or was presented). (This includes abstracts presented at national or regional meetings)

2) Provide references to any publications where you are the author or co-author. Please follow MLA format. (include: author list, title of article, name of journal where article appears, year, etc)

**References**

List the names of two STEM faculty members who will provide recommendations on your behalf. Make note that freshmen may have one recommendation from a non-STEM faculty; the second form must be from a STEM faculty. **The forms received must match the names below. If you use a different referee you must notify us in writing**.

|  |  |  |
| --- | --- | --- |
| Name | Title/Department | Email address/contact phone number |
|  |  |  |
|  |  |  |

Student’s Signature

Date

**\***ATTN: *Please save in PDF format before submitting***Instructions for Calculating STEM GPA**

**OGR: Undergraduate Scholars Program**

This list is designed to give you examples of the types courses to include in the calculations of your STEM GPA.

In your calculations:

-You should include all the STEM courses that count toward your major, with some exceptions (see below)

-Please exclude STEM courses that are required by the general student body

**Examples of courses to include:**

*General courses for STEM majors such as:*

Biology, Chemistry, Physics, etc

*Biology courses such as:*

Genetics

Molecular or Cell Biology

Ecology/Environmental Biology

Botany/Plant Sciences

Physiology

Science Seminar

Research Ethics

Biotechnology

Others

*Chemistry courses such as:*

Organic Chemistry

Physical Chemistry

Biochemistry

Others

*Math courses such as:*

Calculus I and higher

Statistics

Other advanced courses

*Others:*

Various Engineering, Computer science, and Physics courses for majors

**Do not include**:

Allied health/nursing courses

Algebra, precalculus, etc.

Social sciences/Psychology courses

If you have any questions please contact our office at outreach@genome.wustl.edu or 314-286-1803 or 1897