Summer 2022 High School and Undergraduate Internship in Biomedical Informatics

High School and Undergraduate Internship Application Summer 2022
Biomedical Informatics

This is the first part of the application process for the internship program in biomedical informatics at OHSU.

This is a 10 - 12 week opportunity with projects starting June 2022. Interns will work 40 hours per week and will be paid $15.00 per hour.

Due to Oregon State Law - High School students must be 16 years of age when the internship project begins.

Due to Funding Agency - this program is open to U.S. Citizens and Permanent Residents only.
Please Note: In compliance with Oregon law, OHSU’s COVID-19 Immunization and Education policy will go in effect Oct. 18, 2021. Visitors, volunteers and inters who have an in-person experience at OHSU must be fully vaccinated (14 days after last dose). Exception requests will not be accepted. Please be prepared to provide proof of vaccination, or to receive a COVID-19 vaccination, as a requirement for onboarding for your in-person experience at OHSU if you are not compliant.

Once you complete the online application, the next step will be to provide the following documents:
1. Transcripts - unofficial transcripts acceptable, email pdf to ilgan@ohsu.edu
2. One letter of recommendation, emailed to ilgan@ohsu.edu

* 1. Please enter the following information to start your application

   Name: 
   Address: 
   City/Town: 
   State: -- select state --
   ZIP: 
   Country: 
   Email Address: 
   Phone Number: 

2. Date of Birth (mm/yyyy)

3. Demographic Information (Optional)

   What groups does NIH consider to be in need of a special recruitment and retention plan in order to diversify the biomedical, behavioral, clinical, and social sciences workforce?

   A. Individuals from racial and ethnic groups that have been shown by the National Science Foundation to be underrepresented in health-related sciences on a national basis (see data at http://www.nsf.gov/statistics/showpub.cfm?TopID=2&SubID=27 and the report Women, Minorities, and Persons with Disabilities in Science and Engineering, 2007, p. 262).
following racial and ethnic groups have been shown to be underrepresented in biomedical research: American Indians or Alaska Natives, Blacks or African Americans, Hispanics or Latinos, Native Hawaiians or Other Pacific Islanders. In addition, it is recognized that under-representation can vary from setting to setting and individuals from racial or ethnic groups that can be convincingly demonstrated to be underrepresented by the institution should be included in the recruitment and retention plan.

B. Individuals with disabilities, who are defined as those with a physical or mental impairment that substantially limits one or more major life activities.

C. Individuals from disadvantaged backgrounds who are defined as:
   1. Individuals who come from a family with an annual income below established low-income thresholds. These thresholds are based on family size, published by the U.S. Bureau of the Census; adjusted annually for changes in the Consumer Price Index; and adjusted by the Secretary for use in all health professions programs. The Secretary periodically publishes these income levels at http://aspe.hhs.gov/poverty/index.shtml. For individuals from low-income backgrounds, the institution must be able to demonstrate that such candidates (a) have qualified for Federal disadvantaged assistance; or (b) have received any of the following student loans: Health Professional Student Loans (HPSL), Loans for Disadvantaged Student Program; or (c) have received scholarships from the U.S. Department of Health and Human Services under the Scholarship for Individuals with Exceptional Financial Need.

   2. Individuals who come from a social, cultural, or educational environment such as that found in certain rural or inner-city environments that have demonstrably and recently directly inhibited the individual from obtaining the knowledge, skills, and abilities necessary to develop and participate in a research career.

http://grants.nih.gov/training/faq_diversity.htm#867

4. Please describe your race/ethnicity.

   - American Indian or Alaska Native
   - Asian
   - [other options]
1. Black or African American
2. Native Hawaiian or Other Pacific Islander
3. White
4. Other (please specify)

* 5. Country of Citizenship

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6. Please provide us with the following academic information

Multilingual Surveys
To engage respondents and filter, compare, and explore your results across multiple languages, upgrade to a SurveyMonkey Enterprise plan.

NEW PAGE

P2: Academic I...

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Academic Information

Exit
SurveyMonkey Design:

1. School attending
2. Major
3. Minor
4. Dates attended
5. Current class in school
6. Completed credit hours
7. Current cumulative GPA
8. Anticipated graduation date

7. Please provide information about experience/classes you have had in the following areas
   - Programming experience
   - Quantitative or Qualitative experience
   - Statistical skills

NEW QUESTION

or Copy and paste questions

New version available!
Fresher bananas are available, let us reload this page for you...

Learn more.
* 8. Please rank your top 3 internships. In each question, the faculty lead(s), the description, and the skills required are listed.

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<th>2nd</th>
<th>3rd</th>
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Multilingual Surveys

To engage respondents and filter, compare, and explore your results across multiple languages, upgrade to a SurveyMonkey Enterprise plan.
Electronic Care Planning for Patients with Multiple Chronic Conditions

Faculty: Dr. David Dorr

Collaborating on plans of care for patients with multiple chronic conditions can be challenging. Aligning patients’ values, goals, and preferences with medical evidence and many care teams’ input requires substantial work. A new application using Fast Healthcare Interoperable Resources that has both patient- and care team-facing components is being implemented at OHSU, and a student is sought to help design, implement, and evaluate usability and usefulness testing.

Multilingual Surveys

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High Blood Pressure patient-facing clinical decision support
Faculty: Dr. David Dorr

High blood pressure is one of the most common chronic conditions in adults older than 50, and the most common contributing factor for heart attacks and strokes. Significant evidence exists about both pharmacologic and non-pharmacologic methods to lower blood pressure, but they require substantial shared decision making and patient motivation. The intern will help us with our patient-facing HBP application; depending on their skill set, help programming, testing, or evaluating the tool with patients and care teams.
Secondary use of electronic health record data

Faculty: Dr. Michelle Hribar

My group focuses on the reuse of data in the electronic health record (EHR) for research in ophthalmology. Ongoing projects include analysis of data quality, building predictive models, and integration of models into the EHR. Skills: statistical analysis (e.g. R), computer programming.

Understanding the Role of the Microbiome in Bladder Health
Faculty: Dr. Lisa Karstens

The overall goal of this research is to understand how the microbial communities of the gut, vagina, and bladder contribute to bladder health and overactive...
bladder symptoms. Intern projects include developing, testing, and improving the pipelines for handling the clinical data associated with these projects (using REDCap), and bioinformatic pipelines for handling 16S rRNA gene sequencing data as well as NMR metabolomics data (primarily in R). The projects will provide experience of analysis and biological interpretation of so-called 'big data' that arises from the rich and complex datasets generated by high throughput techniques used in basic research. Excellent record-keeping skills and self-motivation are essential. Some familiarity with programming and statistical analysis are preferred but not essential.
*9. Essay Question: Please tell us how your education, experience, skills, and interest make you the best candidate for your top (few) choices.  

[Text box for essay answer]
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Finishing up the application process

* 10. How did you hear about this program? 0

11. Are you planning to pursue graduate education? If so, in what field. 0

Thank you for applying to the summer undergraduate internship program in biomedical informatics at OHSU.

**The application deadline is February 28, 2022.** Candidates will be notified the first of April regarding acceptance into the program.

Please remember to submit the additional documents to complete your application.
1. Transcripts - unofficial transcripts are acceptable, email pdf to ilgan@ohsu.edu
2. One letter of recommendation, emailed to ilgan@ohsu.edu

Specific questions can be directed to Andrea Ilg at ilgan@ohsu.edu
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Saving changes...