Google Verily Life Sciences MD Fellowship Program

For medical students between their third and fourth years and MD/PhD students completing the 3rd year of medical school as a post doc position

Google Verily Life Sciences is offering a two-year fellowship to Icahn School of Medicine at Mount Sinai medical students who are interested in working on innovative scientific, technology, computational, and clinical approaches that are being applied to transform our understanding of human health, particularly the detection of early transitions from health to disease.

Fellows will be fully integrated into Google research teams and can expect to gain new perspectives on healthcare and life sciences research. Fellows will have a focused research project in one of a wide array of scientific areas, such as: Computational biology, Translational Research, Clinical Science, and Physiometric Sensor Development.

Examples of projects include:

- Application of GLS experimental and computational systems biology platform to pathway analysis in laboratory models and in high-dimensionality data from human clinical studies.
- Development and high-throughput screening of combinatorial nanoparticle libraries for highly sensitive and specific tools which enable novel diagnostic (e.g. molecular imaging) and therapeutic applications.
- Technology platform development to accelerate life sciences research, including advanced imaging and analytics, physiometric sensors, and novel in vitro and in vivo model systems for in-depth, high-throughput characterization of biological state transitions in normal and diseased tissue.
- Design, execution and analysis of high complexity clinical trials for diagnostic and prognostic biomarker discovery, and evaluation of resulting predictive models for clinical utility in population management and behavioral intervention.

Program Details:

- Two year program, following year three of medical school.
- Students would be required to complete a scholarly product. The nature of the scholarly product will vary, based upon the student’s experience and research focus at Google Verily.
- Students would submit a progress report at the end of the first year, and a scholarly product at the end of the second year.
Eligibility:
The fellowship is offered to students who are in good standing and who have completed their third year of medical school. Successful candidates will have a strong track record of demonstrated commitment to research.
  o Publications in peer-reviewed literature and presentations of completed research projects at scientific meetings are desirable, but not required.

Application Details:
Interested students should submit:
  • a cover letter expressing your interest that includes
  • a description of your research experience and b) a statement allowing the selection committee to review your academic record, including, but not limited to grades, clerkship comments, and board scores.
  • a CV
Please ask two previous or current research mentors to submit a letter of recommendation that comments on your potential for a career as a physician-investigator.

Applications and letters of reference should be sent to medicalstudentresearch@mssm.edu. Subject line should read “Google Life Sciences Application”. Applications are due in October.