

## Program for Research Excellence and Preparation in Nuclear Physics Traineeships

Brookhaven National Laboratory (BNL) is pleased to announce a new traineeship program for undergraduates interested in pursuing a career in Nuclear Physics Research, BNL PREP-NPT. This program is a collaboration between BNL and Minority Serving Institutions to serve as a bridge helping place under-represented undergraduate students on a path to graduate school in Nuclear Physics. As one of the US Department of Energy's flagship laboratories for Nuclear Physics, BNL strives for world-leading excellence in Nuclear Physics research and requires the world's best scientists for this mission, and this program aims to ensure that BNL has the largest pool of talent to work with. The BNL PREP-NPT Fellowship program will pair upper-class students or recent post-bacs interested in a career in physics with Faculty Advisors and BNL Scientists to pursue a cutting-edge Nuclear Physics research project over a one or two-year term.

BNL is home to the Relativistic Heavy Ion Collider, the National Nuclear Data Center, the Computational Science Initiative, a strong Nuclear Theory group, and a renowned Instrumentation Department. BNL is currently also building the Electron-Ion Collider, a new \$2B facility which will be the most powerful facility in the world for studying the nucleus when it is built. PREP-NPT Fellows will work on the latest research topics being pursued by scientists in the above departments. With the combined scientific expertise from the BNL staff and University Professors who serve as Mentors, with the educational expertise from BNL's Office of Educational Programs, the program has been structured in a way to ensure students will have the support, the tools, and the knowledge to succeed, no matter the challenges.

### Program Benefits

- \$6000 stipend for a 10 week summer program pursuing a challenging graduate level research project at BNL, including full support for travel and lodging to BNL in Upton, NY
- \$3600 stipend for each academic semester to support 16 hours per week of your time on your research project at your home institution
- Educational opportunities in the form of lectures from BNL staff and university professors covering the latest scientific and technical knowledge
- Opportunities for travel to present your research at professional conferences such as those organized by American Physical Society Division of Nuclear Physics (APS DNP), National Society of Black Physicists (NSBP), and National Hispanic Society of Physicists (NHSP)
- Counseling from OEP, BNL, and the universities on the pathway to graduate school or other STEM occupation, and what to expect when one gets there

### Eligibility Requirements

- US Citizen or Permanent Resident
- Full-time undergraduate enrollment at a college or university for the duration of appointment, or within 2 years of graduation and not yet enrolled in graduate school
- Sophomore standing or above, with a major in Physics or other related fields (Math, Computer Science, Engineering, Chemistry, etc)
- Interest in pursuing graduate studies in physics or other STEM career
- Curiosity and a sense of adventure

To apply, please send a CV/Resume, plus a brief letter of introduction including a statement of why you are interested in this program to Dr. Mickey Chiu at [chiu@bnl.gov](mailto:chiu@bnl.gov).