Yale Center for Molecular Discovery (YCMD) is a Yale core facility focused on high throughput assay design and screening in plate formats. We are seeking talented and motivated undergraduate-level students to participate in our 10-week long Biology summer internship.

The program will provide an opportunity for the intern to work in a laboratory and acquire knowledge of the high-throughput screening process. Working side-by-side with YCMD staff members, interns will directly participate in a variety of scientific projects, using many types of biochemical and cell-based techniques and advanced instrumentation. He/she/they will have an opportunity to get hands-on experience in different aspects of the YCMD workflow, ranging from preparation of screening materials, assay planning and experimentation to data analysis and reporting. All developed protocols and results will be documented for future use by YCMD and Yale faculty.

While this offering is for the Biology internship, interns will be a part of the dynamic team and will have an opportunity to work and interact with scientists from very diverse backgrounds (academia and industry, molecular biology, biochemistry, medicinal and synthetic chemistry). He/she/they will attend weekly group meetings and if interested, will have an opportunity to attend research talks and scientific events at Yale. At the completion of the program, the interns will present their work to other Biology and Chemistry interns and all YCMD members.

REQUIRED SKILLS:

- Desire to work in a laboratory and perform laboratory work
- A conscientious and responsible working attitude
- Accuracy and good attention to detail
- Basic literacy and numeracy skills
- Self-motivation
- The ability to work independently and as part of a team
- Good, polite communication skills, both written and verbal
- A positive approach in a busy work environment
- A knowledge of health and safety policies and the ability to work safely
- A good understanding of data confidentiality issues
- Competency with Excel (used to document experiments)