



### **Internship Title**

Synthetic biology internship

### **Company Overview**

Revolve is a biotechnology startup company specialized in synthetic DNA library technology. Based on its proprietary platform, Revolve has launched a custom library generation service for researchers in industry and academia. This technology produces high-quality user-defined libraries at industry-leading turnaround time and reduced cost. Additionally, Revolve leverages its technology platform for discovery of novel engineered proteins and biotechnology tools.

### **Internship Description**

The intern will focus on the application of Revolve library technology towards ultra-affinity binder discovery. This will involve generation of mutation libraries, screening for binding using a variety of panning techniques, and optimization of these protocols. The intern will work with a variety of molecular biology techniques while also learning about working in a small startup company environment.

### **Preferred Skills/Experience/Knowledge**

- Antibody engineering - Phage/yeast/ribosome display
- Immunology/antibody biology
- Protein purification techniques
- Bioinformatics/programming

### **Required Skills/Experience/Knowledge**

- Molecular biology: PCR, cloning, restriction digest, DNA/RNA gel electrophoresis, site-directed mutagenesis, DNA sequencing analysis
- Bacterial culture, plasmid miniprep

### **Important Details**

**Who is eligible:** Biomedical PhD students and postdocs

**Location:** Baltimore, MD

**Start Date:** flexible

**Duration:** 3 months

If interested, please contact [elad@revolvebiotech.com](mailto:elad@revolvebiotech.com) with resume and cover letter.