



### **EDUCATIONAL PROBLEM**

In a digital age, the use for inefficient, physical tasks and become obsolete. Chimera replaces the common and inconvenient paper plasmid lab familiar with biology and biotechnology students all around with a simple, sleek alternate..

### **WHAT IT DOES**

Simulates the creation of recombinant DNA through a series of thorough step by step procedures. The project allows students to select compatible plasmids and cut at the restriction sites to combine DNA.

### **MISSION**

Our project serves as a tool for high school and college level students and teachers in biology or biotechnology courses to learn in a fast, convenient environment to grow familiarity with recombinant DNA.

### **OBJECTIVES:**

- Provide a convenient alternative to paper plasmid labs
- Fast and efficient interface
- Completion certificate ensures the student learns the material
- Interactive abilities allow for teachers to receive work on completion
- Repeatable
- Creates familiarity with plasmids
- Replicates accurate DNA compatibility

### **VALUE**

Chimera provides an efficient, repeatable environment that allows for growth and familiarity in recombinant DNA. It eliminates the need for tedious, non-repeatable paper plasmid assignments and creates a digital environment in which students can build educational skills.