

# Group Project Report: siRNA Generator

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## 1 Overview

### 1.1 Motivation

Our primary motivation for our project was the 2014 Ebola outbreak. This outbreak affected people in Sierra Leone, adasdnf, and adsfj, and killed more than X people. This insp

### 1.2 siRNA Generator

shRNA is precursor to siRNA Binds to mRNA in virus in order to render it ineffective.

## 2 Contributions

### 2.1 Assigned Tasks

Creating and maintaining server Obtaining tools for everyone else Creating email responder

    cite each of the installed tools

    BLAST, blastx, biopython, RNAfold, human genome,

### 2.2 Implementation

#### 2.2.1 BLAST

Our project needed to be able

#### 2.2.2 Server

#### 2.2.3 Scheduler

Once fasta file is retrieved, the scheduler spins up a new thread start the task. The thread is not a daemon, os it will live on.

#### **2.2.4 Email**

### **3 Evaluation**

#### **3.1 Test Case**

We used a fasta file of five species of the Ebola virus as the focus