Job Title: Computational Biology/Bioinformatics Intern

Time: Full or part time

Location: Pearl River, New York

Hiring Manager: Jiyang Yu, PhD (jiyang.yu2@pfizer.com)

Department: Department of Precision Medicine, Oncology Research Unit, Pfizer Inc.

Description:

Next-generation sequencing (NGS)-based high-throughput Functional Genomics (FG) screening by RNAi or CRISPR has been widely used for novel drug target discovery and massive large-scaled data has been generated internally. A better analytical and visualization tool of FG dropout results is critical for the biologists to interpret the data and to select the right candidate. The intern will be working with computational biologists to build an interactive web tool to visualize FG dropout screening results using R and related packages.

EDUCATIONAL BACKGROUND: undergraduate, master or PhD in biomedical informatics, biostatistics, statistics, computer science or related field

WORK EXPERIENCE/SKILLS:

MINIMUM:

Familiar with R

Experience in web development

Quick learning and good communication

DESIRABLE:

Experience with R ggplot2, shiny packages

Skills in NGS data analysis

Web development skills using PHP, Python/Django, JSP or others

Experience with CSS & HTML, JavaScript, jQuery, AJAX

SQL: MySql or Oracle

Knowledge in molecular biology