

## **BIOLOGY OF RARE AND NEGLECTED DISEASES**

NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES, BETHESDA, MD AND SURROUNDING AREA

### **Position Description:**

The biology group in the Therapeutics for Rare and Neglected Disease Program (TRND) of NCATS/NIH is looking for a self-motivated postdoctoral fellow to work in a team environment for drug development to treat a rare genetic disease, the deficiency of N-glycanase (NGLY1). NGLY1 is a cytoplasmic deglycosylase responsible for removing N-linked glycans from proteins destined for the proteasome as well as other regulatory pathways. How loss of NGLY1 leads to disease is not clear, but likely involves disruption of many key cellular pathways. This fellow will work on the assay development to measure NGLY1 activity for high throughput screening of compound libraries to lead compounds, which will be used as tools to further understand the NGLY1 biology and to be further developed as therapeutics. In addition, this fellow will be trained for the techniques of translational research including drug repurposing screen and preclinical drug development. He/She will learn and apply new technologies such as patient iPS cell-based disease models for evaluation of drug efficacy and toxicity. This fellow will present experimental results in regular project team meetings and scientific research conferences. The fellow will also collaborate with researchers in other universities and institutes. Therefore, the fellow should obtained experience and skill sets in translational research for therapeutics development after this training.

### **Qualifications:**

The applicant should have a Ph.D. degree with the background in cellular and molecular biology or pharmacology and with a good publication records. The experience in the stem cell research and/or drug screening is preferred. This position provides opportunities for productive publications. Effective oral and written communication skills are necessary for this position.

### **To Apply:**

Applicants should apply online or send a resume including bibliography and the names of three references to Dr. Wei Zheng ([wzheng@mail.nih.gov](mailto:wzheng@mail.nih.gov)).

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