



**Student Assistant I – BioFrontiers Institute Dowell and Allen  
Lab**

**Job Summary:**

The Allen Lab and the Crnic Institute Boulder Branch at the BioFrontiers Institute, CU Boulder, is searching for an undergraduate student with a strong background in the analysis of transcriptomics data using the programming language R, and a personal devotion to helping others, particularly those with genetic disorders.

Further information on the Allen Lab can be found here: <https://dna.colorado.edu/home/>.

**Who We Are**

At the University of Colorado BioFrontiers Institute, researchers from the life sciences, physical sciences, computer science, and engineering are working together to uncover new knowledge at the frontiers of science and partnering with industry to transform their discoveries into new tools. The Institute integrates faculty members from eleven academic departments, allowing them to work across fields. BioFrontiers drives innovation without boundaries.

**What Your Key Responsibilities Will Be**

The ideal candidate will engage in the analysis of multi-omics data from both patient databases and mechanistic experiments to understand alterations in transcriptional networks in Trisomy 21, and how this contributes to co-occurring conditions.

**What You Should Know**

We are located in the Jennie Smoly Caruthers Biotechnology Building (JSCBB) on East Campus.

A candidate has been identified for this position, however, all applications will be reviewed and considered before a final hiring decision is made.

**What We Can Offer**

\$16 per hour

**What You Will Need**

The candidate should have experience in R (tidyverse and DESeq2 packages) and extensive knowledge of signaling and interferon pathways, as well as a passion for improving the lives of individuals with Down syndrome through biomedical and computational research.

**Application Instructions**

Please email your resume and cover letter to [Kristen.p.smith@colorado.edu](mailto:Kristen.p.smith@colorado.edu).