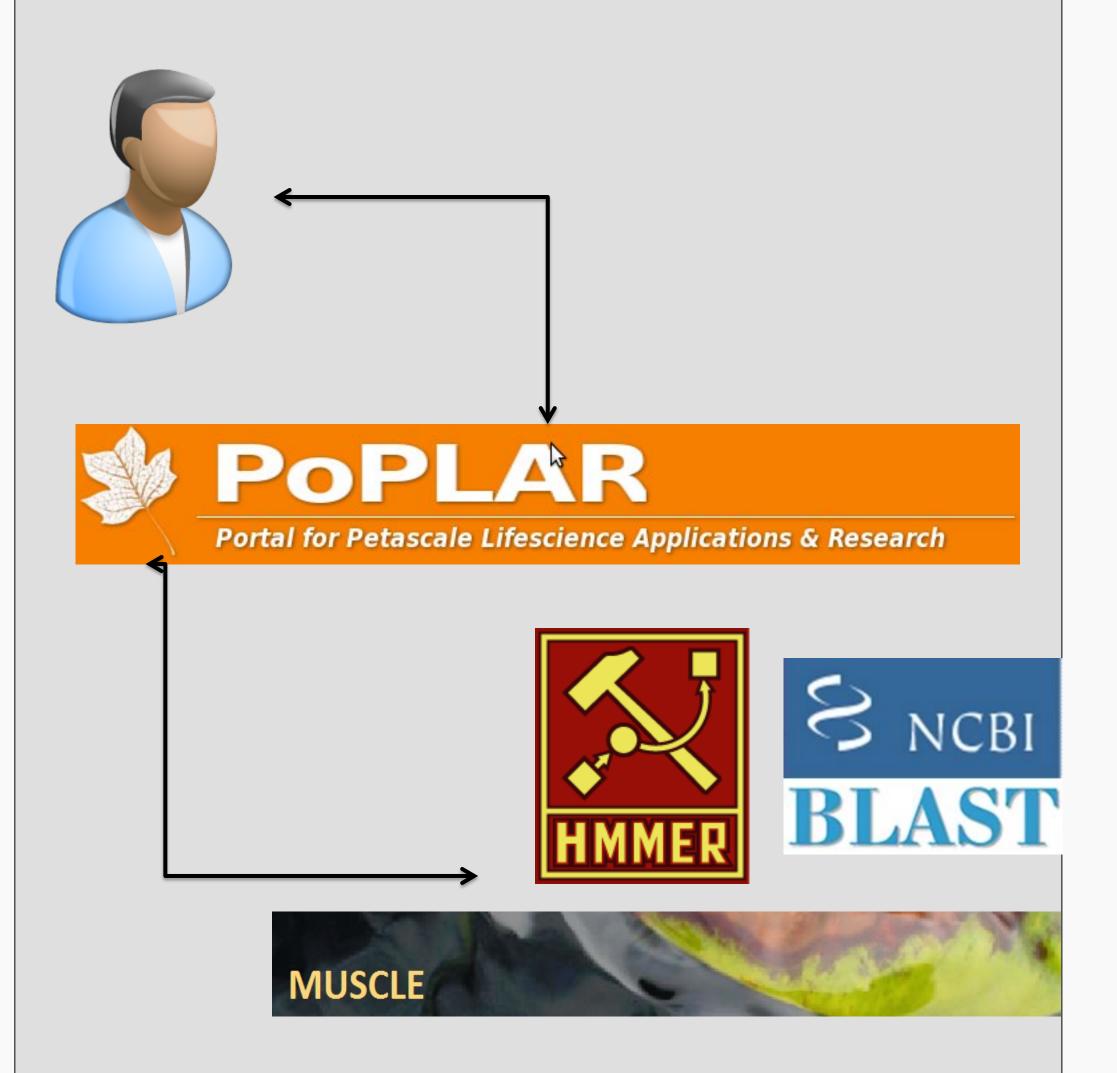




OVERVIEW

Over the years, scientific data in the life sciences has been generated at exponential rates and continues to grow with the rise of new technologies. We are focusing on the parallel analysis tools and resources used to generate the data. Our focus has led us to using the PoPLAR research project, a scientific gateway designed to provide biologists a means to access High Performance Computing (HPC) resources. Currently, the gateway is under development as a web application with a user friendly interface, eliminating the need for biologists to have basic, and in some cases advanced, computer science skills.

VISUAL OF THE OVERVIEW



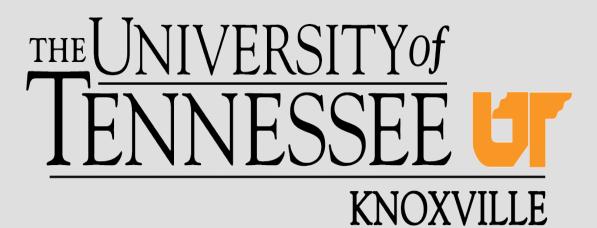
Currently, PoPLAR provides researchers three of the scientific communities most used data analysis tools, BLAST from the National Center for Biotechnology Information (NCBI), HMMER, and MUSCLE.

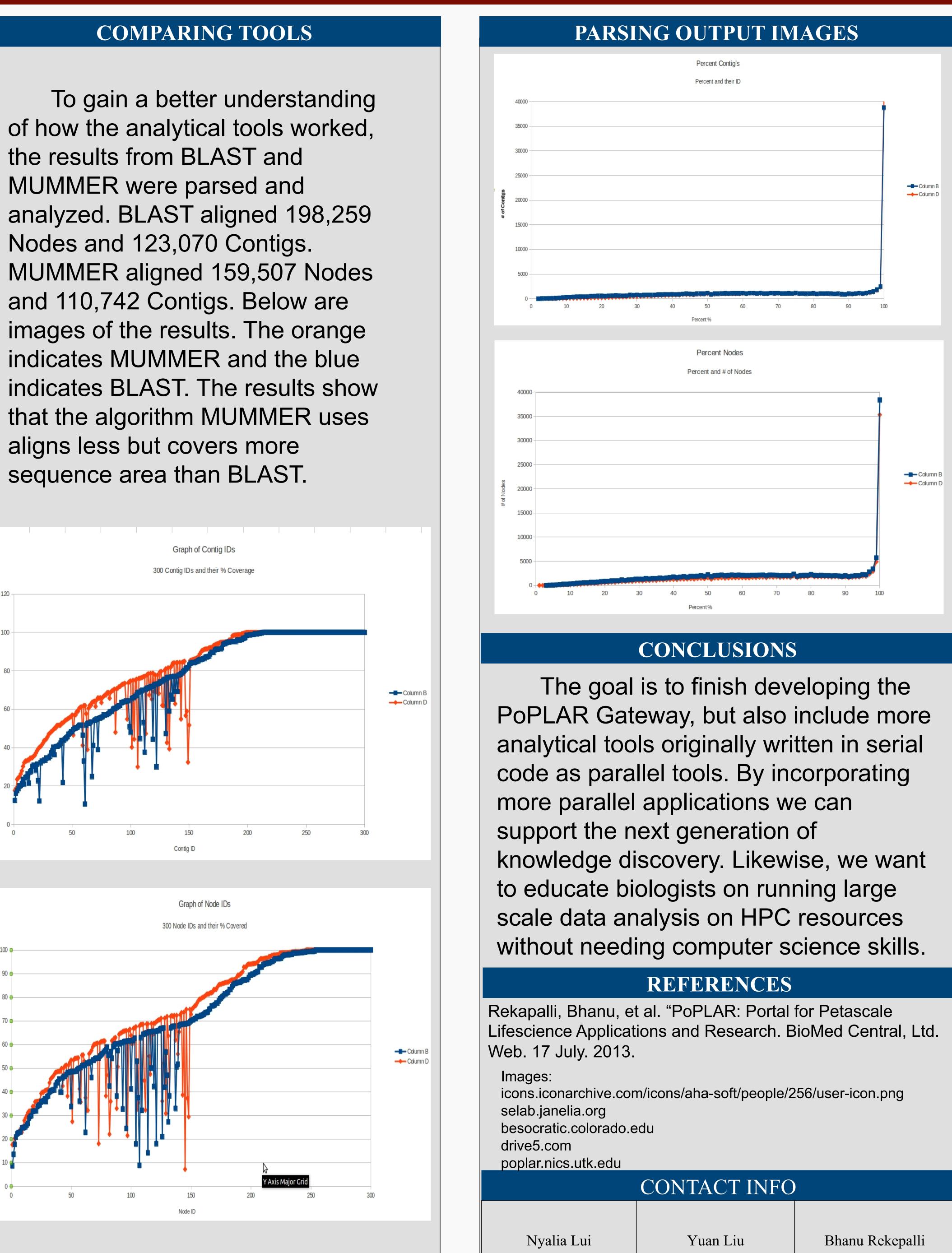
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Bioinformatics Applications & Analysis using PoPLAR Gateway

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