SEGUE -- Searching the Skies for the First Generations of Stars

JINA has joined with a consortium of institutions worldwide in order to execute the next great survey for early-generation stars in the Galaxy. SEGUE, the Sloan Extension for Galactic Understanding and Exploration.

SEGUE will obtain medium-resolution spectroscopy for 250,000 stars in the Milky Way, from which JINA scientists will identify over 20,000 stars with abundances of heavy metals, such as iron, less than 1% of the Solar value.

Using the ARC 2.5m telescope in New Mexico, SEGUE will obtain 1200 spectra in each the directions shown by the dots in the diagram of the Galaxy shown here.