

Facilities, Equipment, and Other Resources

My proposed research can be completed on a laptop or desktop, as stated in the Data Management Plan. It will require publicly available yield sets, *Gaia* data, and propriety access to Milky Way Mapper data (available at The University of Colorado Boulder, an SDSS-V member institution). I will require a 1 TB hard drive to store Milky Way Mapper data, and this will be purchased with the fellowship allowance. New yield sets created as a part of this project will be calculated by external collaborators.

The mentor training project will not require special facilities or equipment. As outlined in the proposal, I will use a portion of my fellowship allowance to hire *Movement Consulting* to develop and virtually present a workshop on near-peer mentoring. Notes, materials, and training lesson plans will be compiled on my laptop.

The creation of the Milky Way Mapper planetarium show will require the use of the Fiske Planetarium, an 8K digital planetarium running Sky-Scan Digital Sky2 and Dark Matter software. The 65-foot dome seats 206 audience members and is equipped with a stage and sound system. With the fellowship allowance, I will print promotional materials and tickets as well as hire undergraduate navigators to present the show to the public. As stated in the Data Management Plan, I will also purchase an external hard drive with the fellowship allowance to archive the show and presenter's guide.