Restoration of the American elm

Contact Person: Dr. Sean Downey, Anthropology (downey.205@osu.edu)

Position description: Join a team of scientists and technicians conducting research to combat diseases and pests of native trees! Our research focuses on two diseases that affect American elm: Dutch elm disease and elm yellows. We are working to test and breed trees that can tolerate these pathogens, and then we test restoration planting methods to restore these species to forest and urban landscapes. We are hiring multiple positions in Delaware, OH for summer 2018. The successful applicants will be hired through OSU Dept. of Evolution, Ecology, and Organismal Biology for this collaborative research project.

Delaware position: Full time positions for 12 weeks (beginning sometime in May and ending sometime in August, depending on your schedule) to assist with propagation of American elm trees, testing for resistance to Dutch elm disease and elm yellows, and installing two new experiments. Duties will include assisting with propagating trees from cuttings, caring for elms in the greenhouse and lath house, inoculating trees with Dutch elm disease and elm yellows in controlled experiments, sampling insect vectors of disease, data collection in field, greenhouse, and plantation settings, data entry, planting trees in Metroparks and urban sites, and maintenance of plantations (pruning, watering, fence repair, mowing, etc.).

We are looking for people who are reliable, meticulous, hard workers who work well alone or as part of a team. Our work involves standing for hours and lifting heavy objects. We work outdoors in all weather conditions, including heat, rain, mosquitoes, poison ivy, etc. We welcome applications from undergraduate students, graduate students, or graduates in horticulture, plant pathology, ecology, forest resources, or related fields. We are especially interested in people with the following experience or interest in learning about:

- Plant propagation
- Scientific data collection
- Plant diseases and pests
- Use of equipment including riding mower, tractor, etc.

Time Commitment: 38 hours/week for approximately 12 weeks over summer

Minimum GPA & Major: First-Fourth year students in EEOB, Hort and Crop Science, all SENR, plant pathology, entomology

Skill Requirements: Preferred:

- Plant propagation
- Scientific data collection
- Plant diseases and pests
- Use of equipment including riding mower, tractor, etc.
We would prefer students with previous research experience OR related job experience.

**Compensation:** Salary/Stipend $10.50 to $12.10 per hour; commensurate with experience.
Academic credit

**To apply:** Please send a resume or CV and a brief cover letter to Dr. Kathleen Knight
ksknight@fs.fed.us. In the cover letter, please list when you are available to work. Please list contact information for two references. **For full consideration, please apply by February 26. Applications will be accepted until the positions are filled.**