Department Summary: The Knight Campus for Accelerating Scientific Impact is a billion-dollar initiative designed to fast-track scientific discoveries and the process of turning those discoveries into innovations that improve the quality of life for people in Oregon, the nation and beyond. The Knight Campus will reshape the higher education landscape in Oregon by training the next generations of scientists, forging tighter ties with industry and entrepreneurs and creating new educational opportunities for graduate and undergraduate students.

The Dalton Lab focuses on the development of a new high resolution 3D printing technology that has utility in biomedical applications. Ongoing projects include the development of advanced biomaterials for clinical use, 3D in vitro models that can mimic the in vivo situation as well as other medical applications. The Dalton Lab is currently looking for a research assistant with skills and interest in instrumentation, electronics and software interfaces.

Position Summary: The research assistant will be responsible for interfacing the multiple components of hardware and software that go into these specialized 3D printers and integrate them so that they seamlessly operate. There are multiple opportunities for technical improvements related to Dalton lab research projects; leading towards long-term opportunities with management, maintenance and provide technical expertise for Dalton lab equipment, protocols, and programs.

Minimum Qualifications:* 
- BSc or MSc in Electrical, Computing, Mechatronic, Physics, or other relevant engineering/science field
- Extensive personal experience in electronics, programming, and automated manufacturing technologies

Professional Competencies: 
- Demonstrated skills in mechatronics and programming

Preferred Qualifications: 
- Technical, research and/or analytic experience in a corporate or university setting as an intern or an employee
- Experience with 3D printing
- Experience with computer and microcontroller programming
- Experience with automation software (e.g., LabView, Matlab)

Contact: Email questions or your interest with CV to Paul Dalton pdalton@uoregon.edu

*There are no set qualifications; the position will remain open until the person is found.