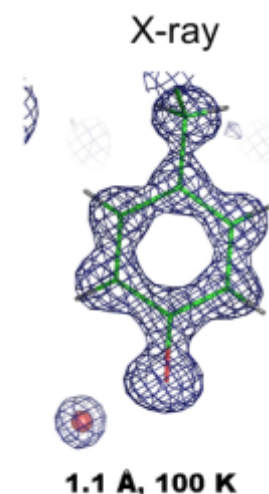
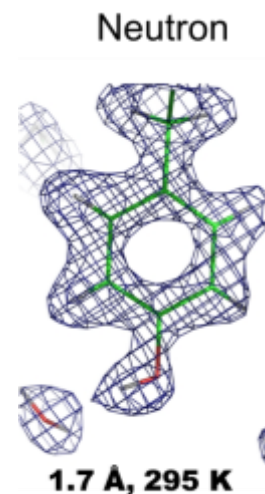


William “Brad” O’Dell

- Ph.D. Candidate, Molecular and Structural Biochemistry, North Carolina State University
- Ph.D. Mentor: Flora Meilleur
- Graduate Opportunities Student, Oak Ridge National Laboratory
- Trainee, NSF IGERT for Neutron Scattering, University of Missouri

Structural Biology of Cellulose Degrading Enzymes

- Industrial applications for biofuels production
- Protein single crystal X-ray and neutron diffraction
- Small-angle Neutron Scattering



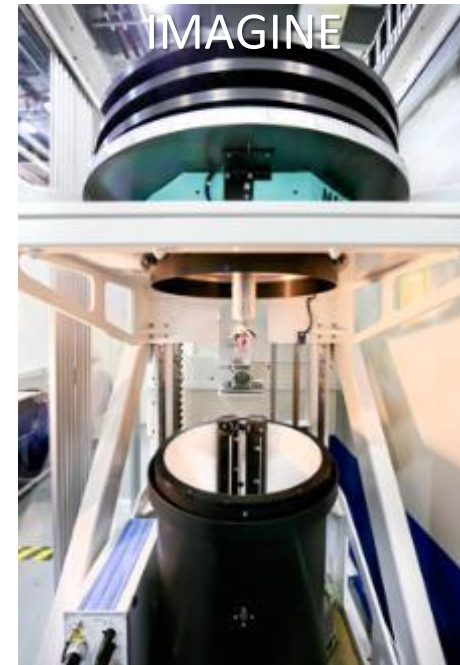
Going from Neutron User to Future Instrument Scientist (?)

User

- Select a neutron scattering instrument that can be used to answer a specific scientific question.
- Prepare sample and get it into a specific sample environment.
- Learn how to use instrument.
- Perform experiment.
- Learn analysis software.
- Analyze; publish.

Instrument Scientist

- Design, build, update, maintain a neutron scattering instrument that addresses experimental needs for a scientific community / user group.



quasi-Laue Diffractometer
High Flux Isotope Reactor, ORNL