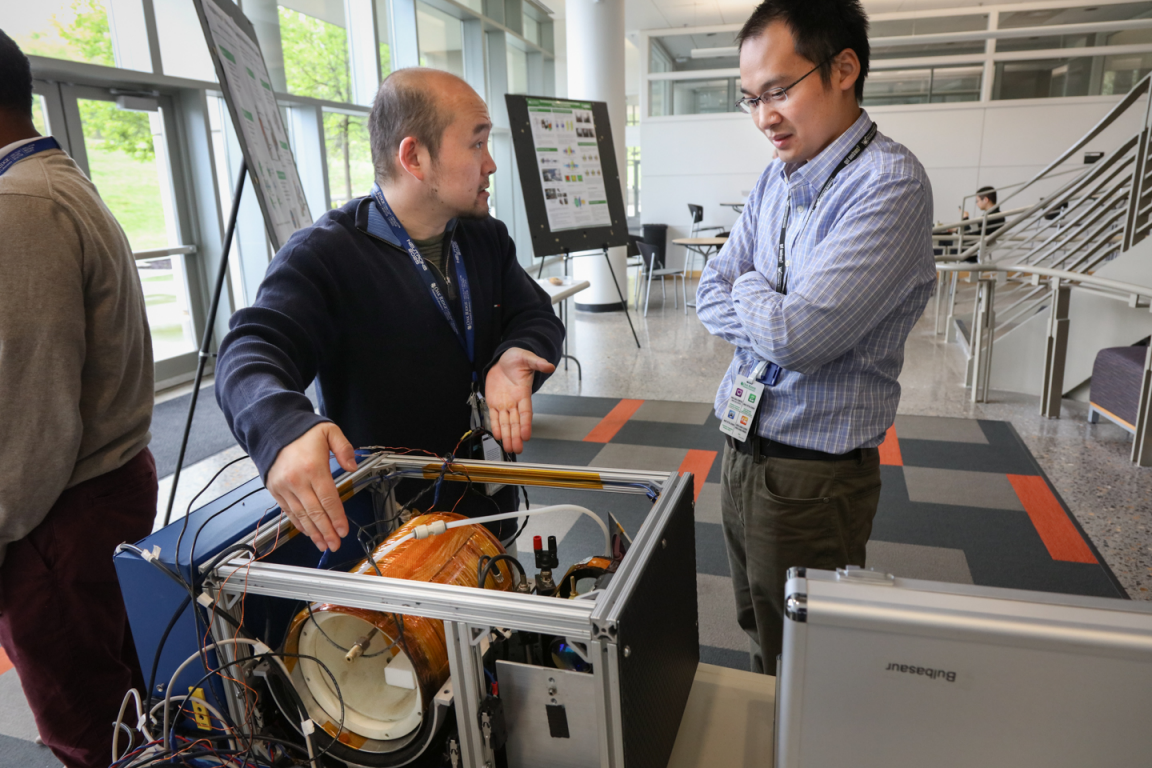

Projects proposed for FY18 – Budget & resources pending
Projects proposed for FY18 – Budget & resources pending
The recommendations and findings of each BRP will inform the priorities for
- NOMAD – optimize and detector build-out
- SNAP – new incident beam optics
Initiated/Executing
- CNCS – detector build-out
- EQ-SANS – new detector coverage
- TOPAZ – detector build-out
- HB1 – polarization upgrade
- CG-3 Bio-SANS – new collimator
Initiated/Executing
- DyPol at HFIR – dynamic nuclear polarization installation

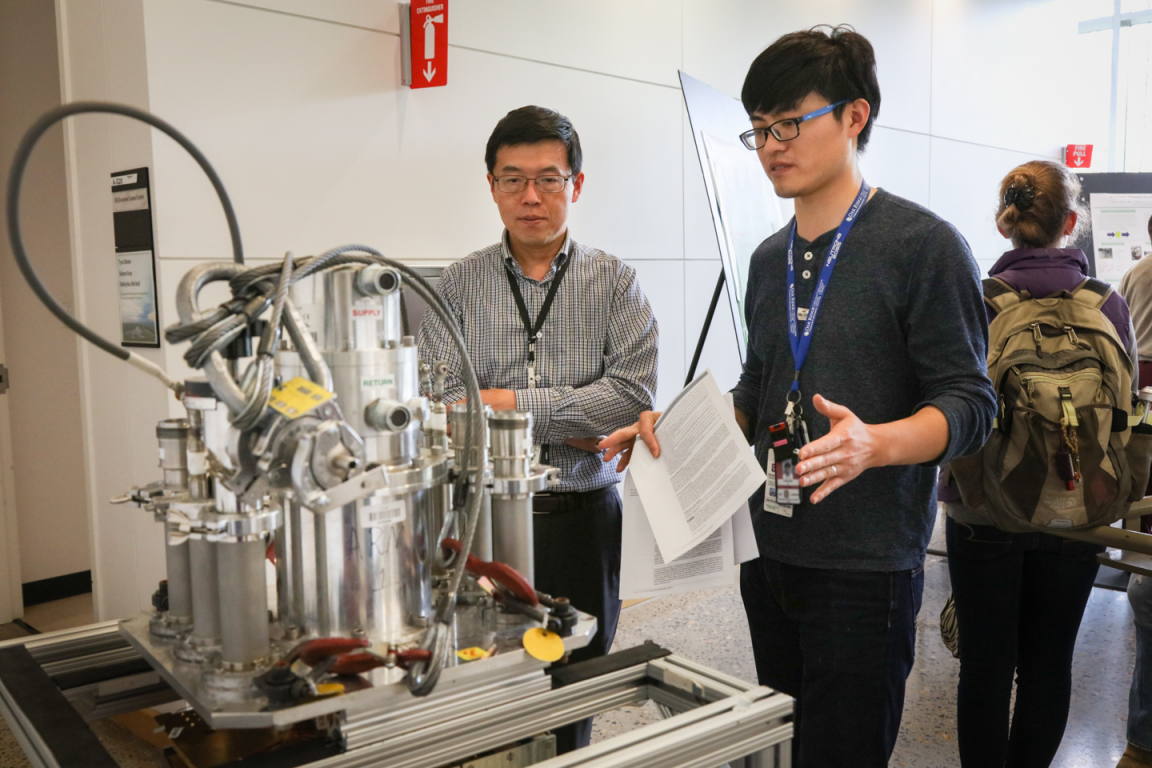

New instruments at
SNS and HFIR

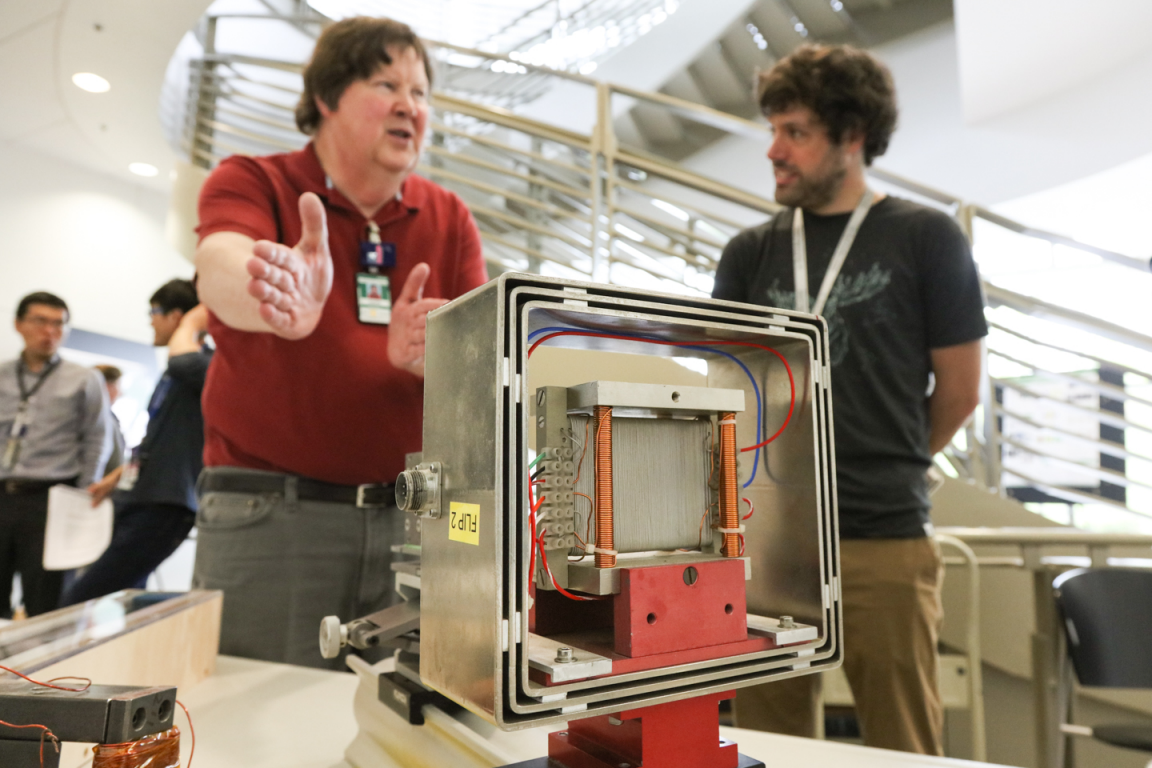

New instruments at
SNS and HFIR


Single crystal diffraction
CORELLI
HB-3A
IMAGINE
T = 5 K


Bulbasaur


EXIT


SUPPLY
RETURN


FLIP 2


FLIP-2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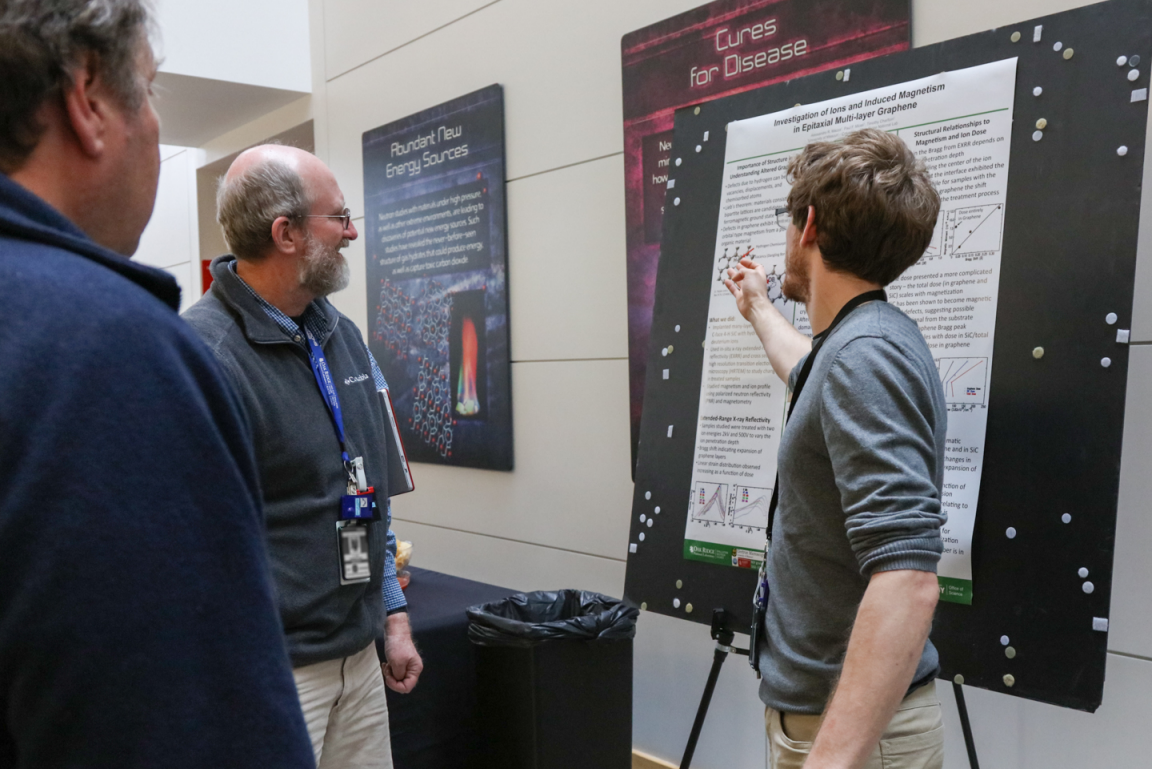
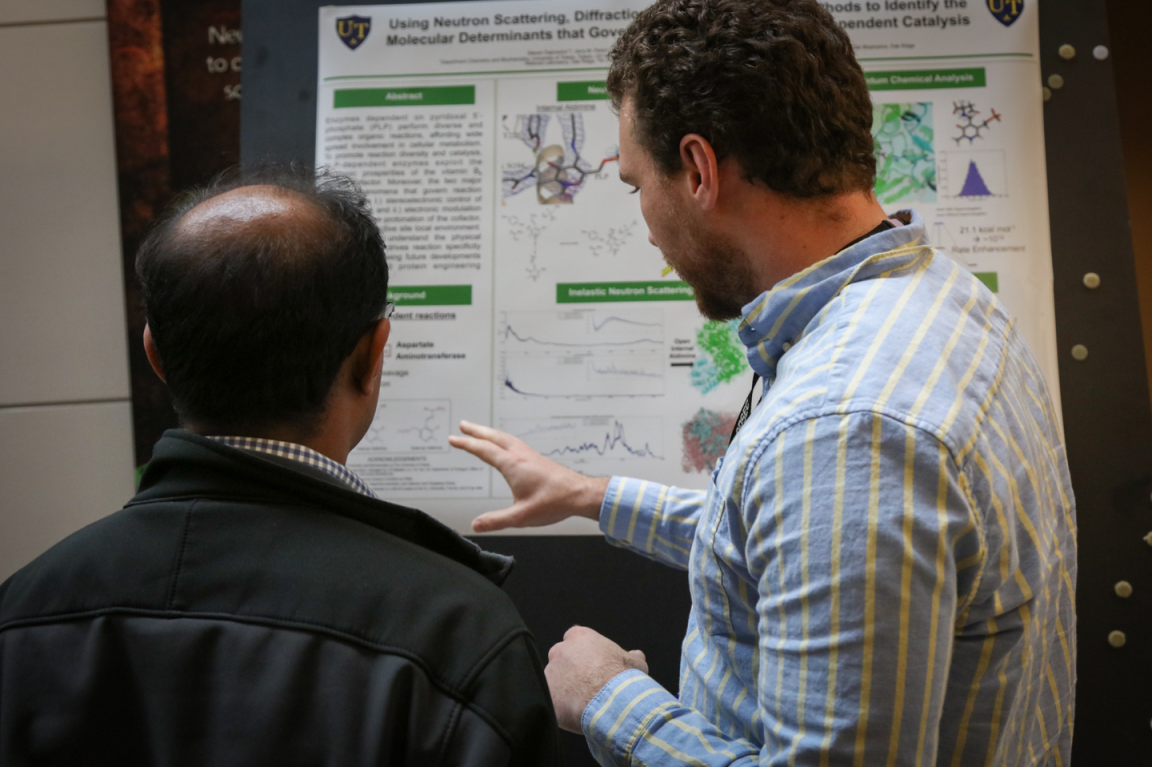
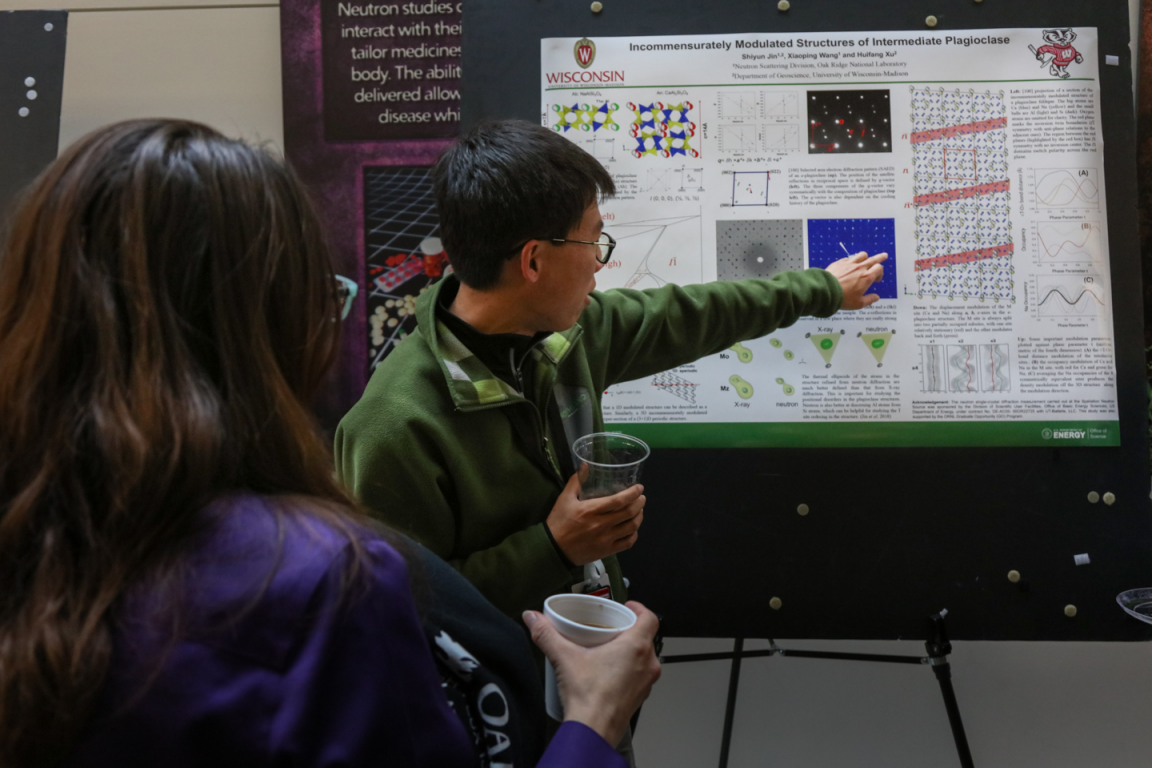
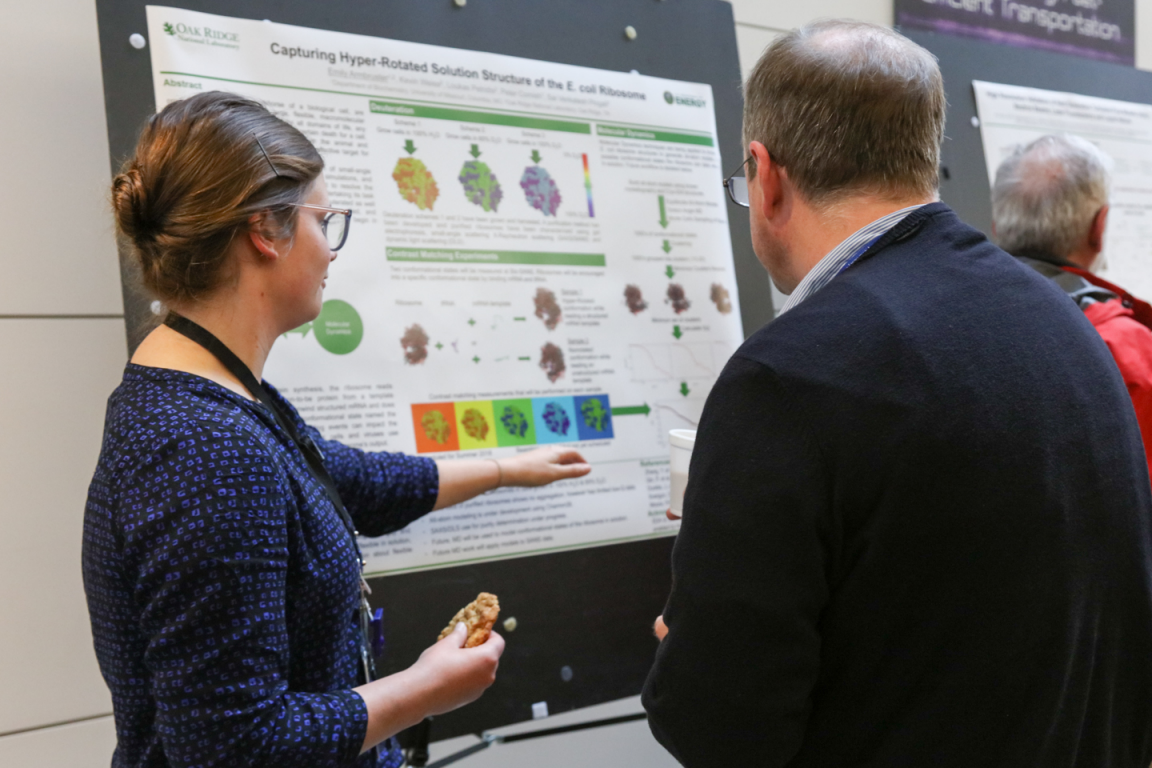
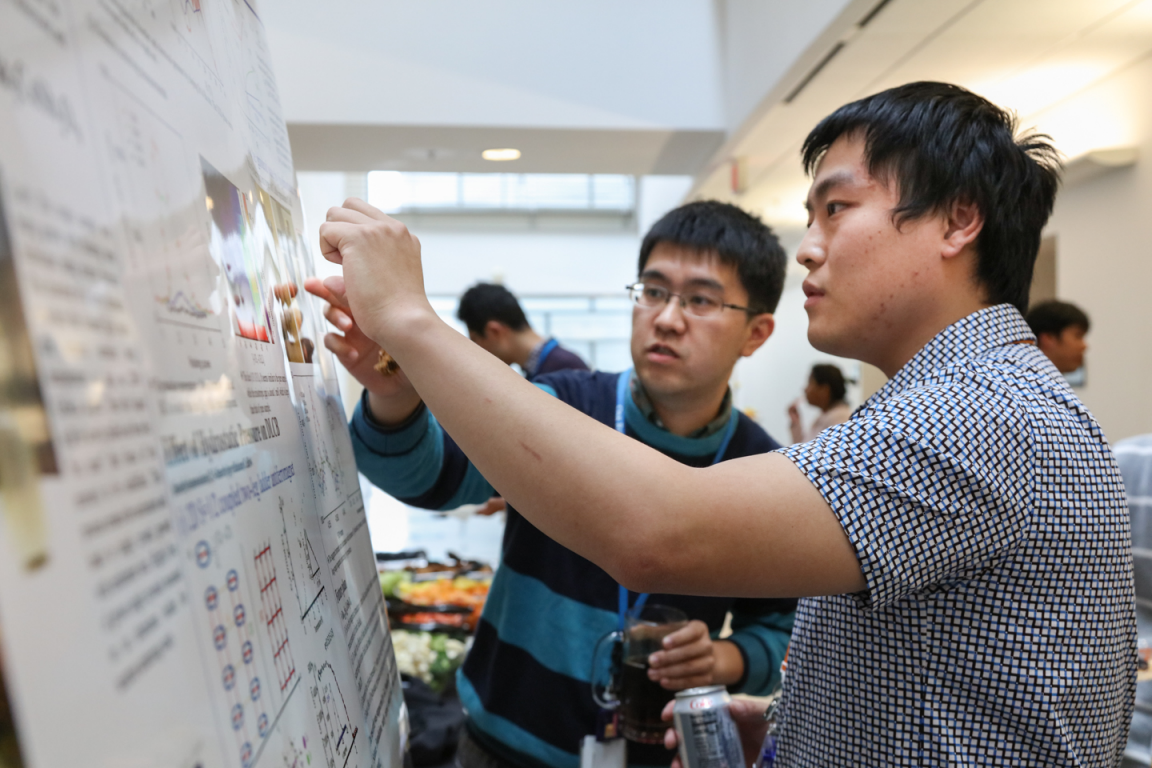
DLCB
(i) Determine the critical pressure P_c where the long-range magnetic ordering disappears.
(ii) Study effect of hydrostatic pressure on spin dynamics with inelastic neutron scattering.
UNIVERSITY of TENNESSEE KNOXVILLE
OAK RIDGE
OAK RIDGE NATIONAL LABORATORY

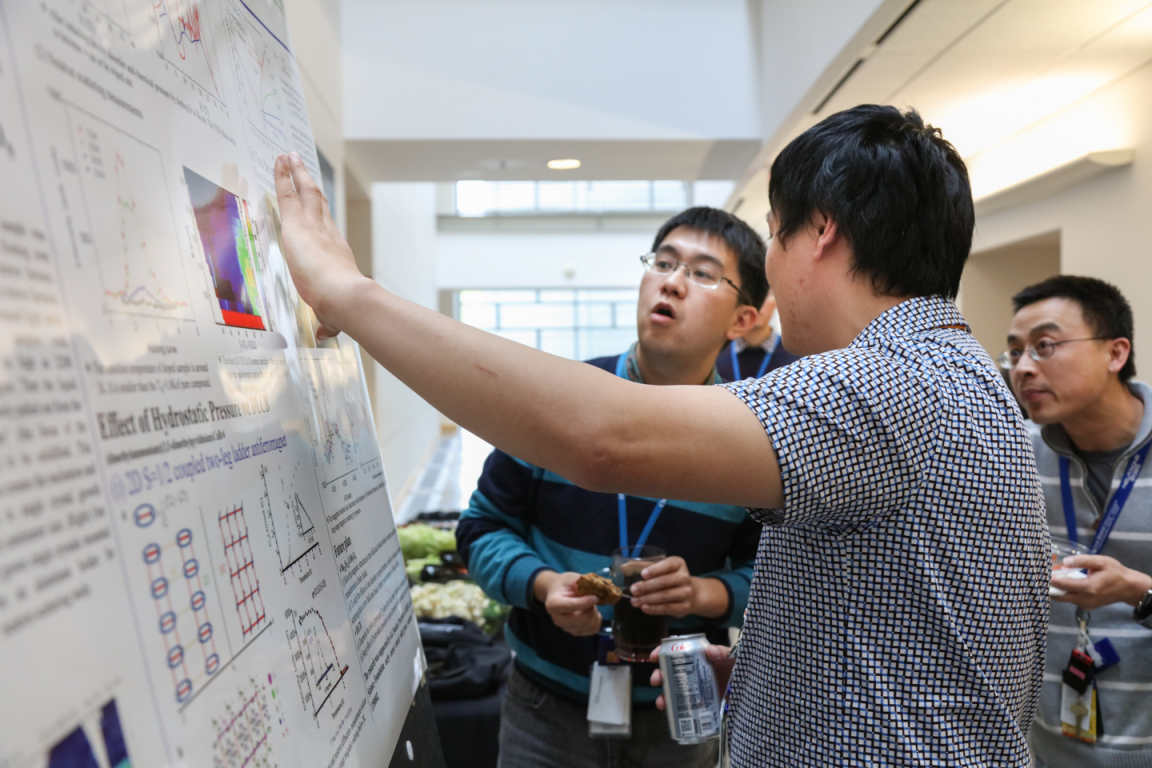

Cures
for Disease
Abundant New
Energy Sources
Investigation of Ions and Induced Magnetism
in Epitaxial Multi-layer Graphene

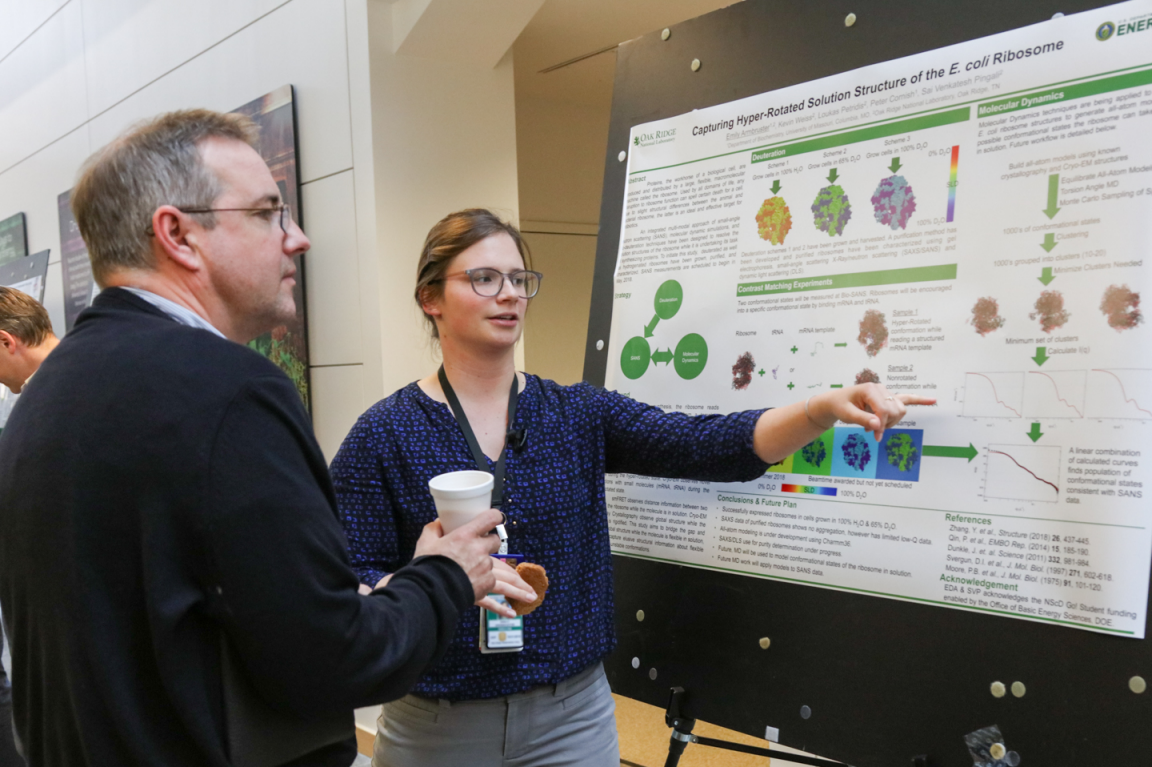

Using Neutron Scattering, Diffracti
Molecular Determinants that Gov
hods to Identify the
pendent Catalysis
Abstract
Inelastic Neutron Scattering
Aspartate
Aminotransferase

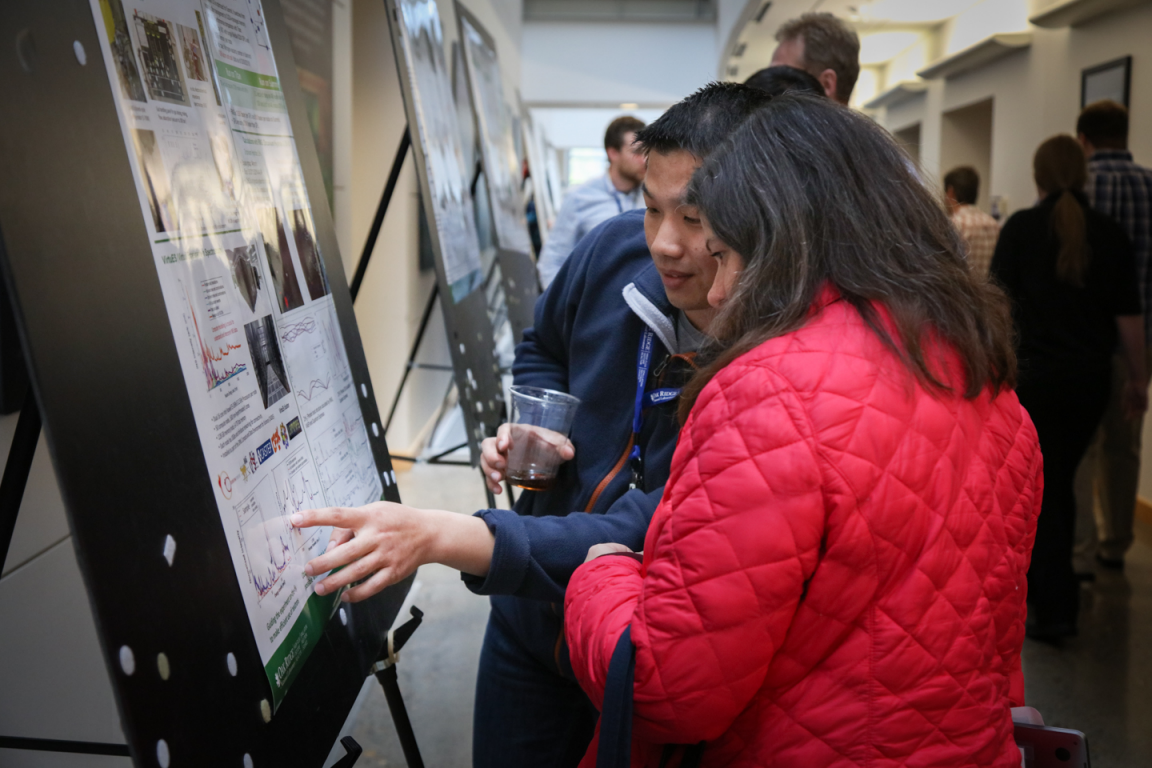

Neutron studies
interact with
tailor medicines
body. The abilit
delivered allow
disease whi
Incommensurately Modulated Structures of Intermediate Plagioclase
Shiyun Jin[1,2], Xiaoping Wang[1] and Huifang Xu[2]
[1]Neutron Scattering Division, Oak Ridge National Laboratory
[2]Department of Geoscience, University of Wisconsin-Madison
WISCONSIN
Abstract
Introduction
Methods
Results
Conclusions
Acknowledgement
X-ray
neutron
Mo
Mg
Phase Parameter t
Intensity
(A)
(B)
(C)
ENERGY
Office of Science

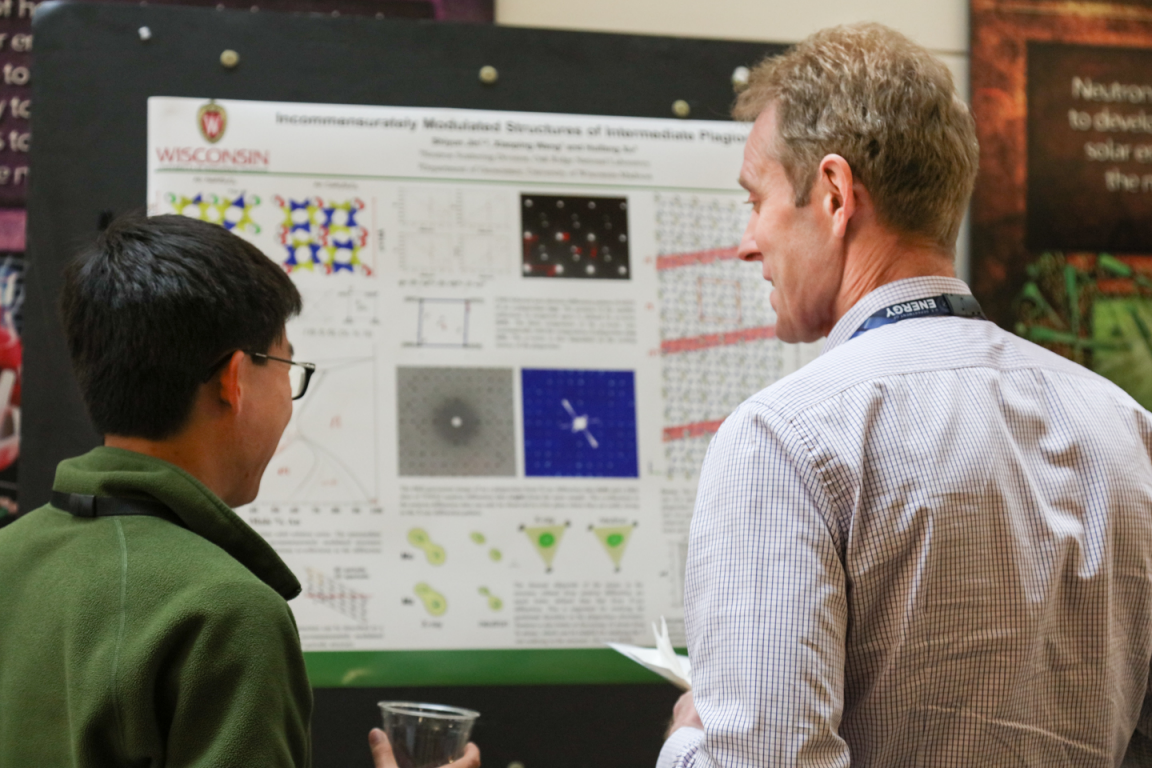

OAK RIDGE National Laboratory
Capturing Hyper-Rotated Solution Structure of the E. coli Ribosome
Abstract
Declarations
Molecular Dynamics
Combined Matching Experiments
ENERGY




Effect of Hydrostatic Pressure


Capturing Hyper-Rotated Solution Structure of the E. coli Ribosome
Molecular Dynamics
Deuteration
Contrast Matching Experiments
Conclusions & Future Plan
References
Acknowledgement

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Incommensurately Modulated Structures of Intermediate Phases
ENERGY