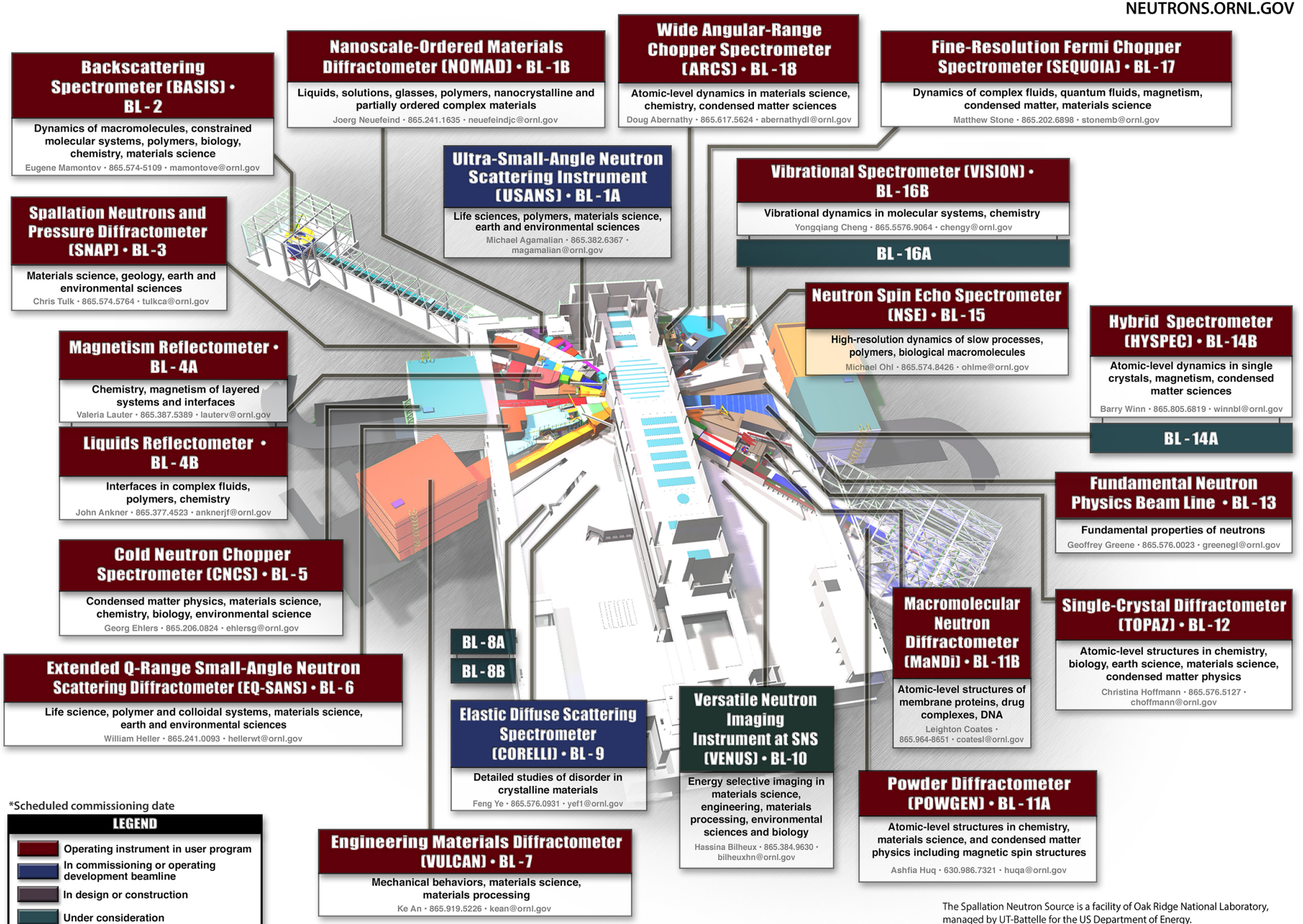
OAK RIDGE National Laboratory | SPALLATION NEUTRON SOURCE

World's most intense pulsed, accelerator-based neutron source

NEUTRONS.ORNL.GOV



Backscattering Spectrometer (BASIS) • BL-2

Dynamics of macromolecules, constrained molecular systems, polymers, biology, chemistry, materials science

Eugene Mamontov • 865.574-5109 • mamontove@ornl.gov

Nanoscale-Ordered Materials Diffractometer (NOMAD) • BL-1B

Liquids, solutions, glasses, polymers, nanocrystalline and partially ordered complex materials

Joerg Neuefeind • 865.241.1635 • neuefeindjc@ornl.gov

Wide Angular-Range Chopper Spectrometer (ARCS) • BL-18

Atomic-level dynamics in materials science, chemistry, condensed matter sciences

Doug Abernathy • 865.617.5624 • abernathydl@ornl.gov

Fine-Resolution Fermi Chopper Spectrometer (SEQUOIA) • BL-17

Dynamics of complex fluids, quantum fluids, magnetism, condensed matter, materials science

Matthew Stone • 865.202.6898 • stonemb@ornl.gov

Ultra-Small-Angle Neutron Scattering Instrument (USANS) • BL-1A

Life sciences, polymers, materials science, earth and environmental sciences

Michael Agamalian • 865.382.6367 • magamalian@ornl.gov

Vibrational Spectrometer (VISION) • BL-16B

Vibrational dynamics in molecular systems, chemistry

Yongqiang Cheng • 865.5576.9064 • chengy@ornl.gov

BL-16A

Spallation Neutrons and Pressure Diffractometer (SNAP) • BL-3

Materials science, geology, earth and environmental sciences

Chris Tulk • 865.574.5764 • tulkca@ornl.gov

Neutron Spin Echo Spectrometer (NSE) • BL-15

High-resolution dynamics of slow processes, polymers, biological macromolecules

Michael Ohl • 865.574.8426 • ohlme@ornl.gov

Hybrid Spectrometer (HYSPEC) • BL-14B

Atomic-level dynamics in single crystals, magnetism, condensed matter sciences

Barry Winn • 865.805.6819 • winnbl@ornl.gov

BL-14A

Magnetism Reflectometer • BL-4A

Chemistry, magnetism of layered systems and interfaces

Valeria Lauter • 865.387.5389 • lauterv@ornl.gov

Liquids Reflectometer • BL-4B

Interfaces in complex fluids, polymers, chemistry

John Ankner • 865.377.4523 • anknerjf@ornl.gov

Fundamental Neutron Physics Beam Line • BL-13

Fundamental properties of neutrons

Geoffrey Greene • 865.576.0023 • greenegl@ornl.gov

Cold Neutron Chopper Spectrometer (CNCS) • BL-5

Condensed matter physics, materials science, chemistry, biology, environmental science

Georg Ehlers • 865.206.0824 • ehlersg@ornl.gov

Macromolecular Neutron Diffractometer (MaNDi) • BL-11B

Atomic-level structures of membrane proteins, drug complexes, DNA

Leighton Coates • 865.964-8651 • coatesl@ornl.gov

Single-Crystal Diffractometer (TOPAZ) • BL-12

Atomic-level structures in chemistry, biology, earth science, materials science, condensed matter physics

Christina Hoffmann • 865.576.5127 • choffmann@ornl.gov

BL-8A

BL-8B

Extended Q-Range Small-Angle Neutron Scattering Diffractometer (EQ-SANS) • BL-6

Life science, polymer and colloidal systems, materials science, earth and environmental sciences

William Heller • 865.241.0093 • hellerwt@ornl.gov

Elastic Diffuse Scattering Spectrometer (CORELLI) • BL-9

Detailed studies of disorder in crystalline materials

Feng Ye • 865.576.0931 • yef1@ornl.gov

Versatile Neutron Imaging Instrument at SNS (VENUS) • BL-10

Energy selective imaging in materials science, engineering, materials processing, environmental sciences and biology

Hassina Bilheux • 865.384.9630 • bilheuxhn@ornl.gov

Powder Diffractometer (POWGEN) • BL-11A

Atomic-level structures in chemistry, materials science, and condensed matter physics including magnetic spin structures

Ashfia Huq • 630.986.7321 • huqa@ornl.gov

Engineering Materials Diffractometer (VULCAN) • BL-7

Mechanical behaviors, materials science, materials processing

Ke An • 865.919.5226 • kean@ornl.gov

*Scheduled commissioning date

LEGEND

- Operating instrument in user program
- In commissioning or operating development beamline
- In design or construction
- Under consideration

14-G00875A/gim

The Spallation Neutron Source is a facility of Oak Ridge National Laboratory, managed by UT-Battelle for the US Department of Energy.