The Macromolecular and Microstructure Sciences (MMS) team at the NIST Center for Neutron Research (NCNR) is seeking a research scientist with a strong record of creativity and achievement in any area of nano and microscale science with a preference for the area of soft matter and rheology. The candidate should complement and expand current scientific activities of the group.

The NCNR is a world leader in neutron sciences with 24 operating instruments serving more than 2200 research participants/year resulting in 350 scientific publications/year. The MMS team is responsible for designing and operating four state of the art Small to Ultra small Angle Neutron Scattering ((U)SANS) instruments. Combined, these instruments probe structural features in materials ranging from 1nm to 20,000 nm. Besides the wide array of elastic and inelastic neutron scattering instruments, the center operates a variety of complementary facilities, from X-ray diffractometers to IR spectrometers, and has access to a wide range of other state of the art equipment through partnerships with other NIST labs, particularly the Center for Nanoscale Science and Technology. The team is further assisted by an outstanding cadre of NCNR support staff including engineers, mechanical technicians, sample environment team, laboratory support personnel, etc.

The position requires a Ph.D. in Chemistry, Physics, Chemical Engineering or related materials field, excellent experimental, communication, and interpersonal skills, and the ability to work well in a team environment. Experience in microstructure or macromolecular structure characterization using x-ray or neutron diffraction techniques is highly desirable. Applicant should have a demonstrated ability and interest in building a thriving interdisciplinary/collaborative research program and in developing new instrumentation/new techniques (either technical or computational abilities). A commitment to teaching is also required as the candidate will be expected to advise or co-advice summer undergraduates, graduate students, and postdocs and teach or co-teach in summer schools, workshops, tutorials, and university courses.

Aside from leading a strong research program, responsibilities include helping visiting researchers conduct experiments and participating in various instrument activities. Initial appointment is for up to four years. Salary is in the range from $60,000 to $70,000 depending on qualifications and experience. Deadline for applications is Sep 15 or until the position is filled. Expressions of interest along with a resume and a 2-3 page research plan should be sent (preferably electronically) to Paul Butler (butler@nist.gov)

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Additional information about the NCNR and the MMS team are available on the Web at:
NCNR opportunities at: http://www.ncnr.nist.gov/jobs