



**National Renewable
Energy Laboratory**

Innovation for Our Energy Future

NREL's Mission

NREL develops renewable energy and energy efficiency technologies and practices, advances related science and engineering, and transfers knowledge and innovations to address the nation's energy and environmental goals.

www.nrel.gov/employment

Equal Opportunity

NREL is an equal opportunity employer committed to diversity and a drug-free workplace.

National Renewable Energy Laboratory

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Operated for the U.S. Department of Energy
Office of Energy Efficiency and Renewable Energy
by Midwest Research Institute • Battelle

The National Renewable Energy Laboratory (NREL), located in beautiful Golden, Colorado, is a leader in the U.S. Department of Energy's effort to secure an energy future for the nation that is environmentally and economically sustainable.

NMR Spectroscopist - Chemical and Catalyst Sciences (Sr. Scientist I) Position #171BR

DUTIES: This Sr. Scientist I will lead and conduct nuclear magnetic resonance spectroscopy research focused on understanding processes related to the development of renewable energy. Position will be primarily focused on conducting research related to chemical and biological biomass conversion projects related to the BioEnergy Science Center (BESC). However, developing collaborations with NREL researchers in other areas will be encouraged. Communicate NREL's objectives and results to the relevant stakeholders, including DOE, other government laboratories, industry and academia. Write scientific papers and present NREL's work at national/international meetings to highlight and enhance NREL's research program. Identify, develop and pursue external funding sources and partnerships with other government laboratories, industry and academia. Manage Magnetic Resonance Facility consisting of Bruker Avance 200MHz solids, Varian 400 MHz liquids and Bruker ELEXSYS EPR spectrometers. Oversee installation of new Bruker 600Mhz spectrometer. Expand current NREL facilities, staff and activities related to NMR spectroscopy. Conduct all research activities in a safe manner following NREL ESH&Q procedures.

REQUIRED: Ph.D. in Chemistry or other relevant technical discipline or equivalent relevant experience. Minimum of 5 years of relevant scientific and technical experience. Demonstrated technical knowledge of NMR spectroscopy. Outstanding interpersonal, communication and leadership skills. Previous responsibility leading R&D activities and developing novel solutions using NMR spectroscopy.

PREFERRED: Demonstration of progressive responsibilities in a technical environment. Considered a creative and innovative leader with exceptional scientific credentials. Proven ability to work in cross-functional teams and form effective working relationships with scientist and engineers. Experience related to cryoprobes, structural determinations (solid or liquids applications), and/or biopolymers characterization.

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