

#### DESCRIPTION OF POSTDOC OPENING:

- The University of Wisconsin-Madison has an excellent reputation in NMR spectroscopy. The campus hosts state-of-the-art NMR facilities, including high-field spectrometers (400 – 900 MHz) located within the Chemistry Department and the National NMR facility (NMRFAM)
- This postdoc position involves the development of cutting-edge technologies in optically assisted nuclear-spin hyperpolarization in liquids, including pulse sequence development, laser/LED/fiber optic technologies, and biomolecular/biomedical applications
- This federally funded position focuses on integrating advances in physics, physical chemistry, engineering and chemistry for the development enhanced spectroscopic techniques to stimulate new research directions in physics and biology
- Collaborative research environment
- Opportunities for independent funding
- Appointments are for 1-2 years min
- Excellent opportunity for candidates with expertise in the fundamentals of NMR spectroscopy interested in embracing hyperpolarization and biomedical/structural-biology

REQUIREMENTS: Ph.D. in chemistry, physics, engineering, biochemistry or related field, demonstrated evidence for scientific expertise and productivity, excellent written and oral communication skills, ability to perform independent research. The successful candidate is expected to contribute to novel experimental design, data analysis and processing, manuscript preparation and editing, as well as training of graduate students.

HOW TO APPLY: To apply for this position, send an email to Silvia Cavagnero ([cavagnero@chem.wisc.edu](mailto:cavagnero@chem.wisc.edu)) including a statement about your motivation and skills, a CV, and the contact information of three experts scientists who know you well and can serve as references

TIMELINE: The position is available starting on 11/01/2023