Associate Research Scientist

Arizona State University: Office of the Executive Vice President Knowledge Enterprise: KE Core Facilities: Biosciences

Location
Tempe, AZ
Open Date
Jun 06, 2021
Description
Arizona State University (ASU) is now inviting applications for the position of Associate Research Scientist with Biosciences Core to oversee the operation, maintenance and technical developments for a 3-Field (3T/ 7T/ 9.4T) small animal MR Solutions scanner as well as a vertical bore 18T Agilent MRI scanner. In this position, you would work on developing or optimizing MRI scan protocols and/or building or modifying coils, along with some data processing to assist in novel MRI research projects. Additionally, as time allows, you would be available to perform routine scanning for end users and help them organize and retrieve data. This position will report to the Biosciences Operations Director at ASU.

The small animal MRI scanner is part of a joint effort between ASU and Dignity Health and is located at Magnetic Resonance Research Center (MRRC) in ASU (Tempe Campus). The ASU imaging facilities in Tempe complement those at the Barrow Neurological Institute/ASU Center for Preclinical Imaging in nearby Phoenix.

Salary range: $70,000 - $90,000 per year; DOE

Essential Duties

- Maintaining the facility equipment at performance specification, including conducting and/or supervising instrument maintenance, scheduling, inventory management, performance evaluations, and initiating and coordinating necessary service visits.
- Providing operational and/or collaborative research assistance to ASU and outside researchers. This includes but is not limited to, the operation of facility equipment, data analysis, and the publication of scientific results.
- Promoting the research capacity of the facility by disseminating scientific results through both local, national and international forums and staying up to date with research advances in the field.
- Training users and authorizing trained independent and semi-independent users to access facility resources after ascertaining qualification for use.
Assisting the Biosciences Operations Director and other core staff to integrate various aspects of all bioimaging resources under Biosciences management including any new instruments acquired in the future.

Assisting the Biosciences Operations Director and Core Facilities administrative staff to develop budgets and manage financial aspects of the facilities and tours for visitors.

Qualifications

**Required Qualifications:**

- Applicants must have a PhD in Physics, Biomedical Engineering or related field.
- Experience in small animal MRI and MR pulse sequence programming.
- 5 years of post-PhD research experience

**Desired Qualifications:**

- Strong publication record and history of collaborative MRI studies is highly desirable.

Application Instructions

Applicants are responsible for including a cover letter, CV, and the names of three professional references in their application through the Interfolio website: https://apply.interfolio.com/88940. Emailed applications will not be accepted.

**Application Deadline:** We will begin reviewing applications January 5, 2022 and will continue to review incoming applications on a biweekly basis until the fellowship is filled.

For the seventh year in a row, ASU has been named the most innovative school in the nation, recognizing the university’s culture of groundbreaking research and partnerships, as well as its commitment to helping students thrive in college and beyond. U.S. News and World Report has named ASU as the most innovative university all seven years the category has existed.

ASU Knowledge Enterprise advances research, innovation, strategic partnerships, entrepreneurship, and international development. Our success arises from solutions-focused, interdisciplinary research; an entrepreneurial approach that is embedded in every school and department; and a commitment to transform society in a positive way. [http://research.asu.edu/](http://research.asu.edu/)

ASU has created a vibrant environment of discovery, interdisciplinary research and innovation focused on solving society’s greatest challenges. ASU is one of the fastest growing research enterprises in the U.S., with research expenditures nearly tripling over the last decade. In addition to advancing research, the ASU Knowledge Enterprise trains and
supports entrepreneurs, leads the university's economic development activities, engages with corporate partners and international development agencies, and facilitates technology transfer.