**Title**
Small Animal MRI Research Scientist

**Position Summary**
The University of Arizona, in Tucson, Arizona, seeks to hire an MRI Physicist to operate and manage a 7T Bruker Biospec small animal MRI scanner. This state-of-the-art research scanner was recently upgraded to the most current Bruker NEO electronics and Paravision 360 software. The MRI scanner is housed in the Translational Bioimaging Resource (TBIR), a 20,000 ft² facility that includes MRI, ultrasound, CT, PET, SPECT, bioluminescence, multi-photon microscopy, and optical coherence microscopy. The TBIR serves as a university-wide resource for pre-clinical biomedical imaging and is housed in the newly constructed Biosciences Research Laboratory. The TBIR also includes a 3T MRI for human and large animal imaging.

The successful applicant will join a team of innovative and collegial scientists and technicians who work across the various imaging modalities to assist and collaborate with investigators to develop and execute imaging research studies.

With more than $625 million in research and development dollars from federal, state, and private sources, The University of Arizona currently ranks #19 among public universities in the US in overall research expenditures and #3 in physical science research. With world class faculty in fields as diverse as astronomy and space exploration, plant science, biomedical science and biotechnology, anthropology, Native peoples, business, law, philosophy, music, and dance, the UA is one of only 62 members in the Association of American Universities. The University's main campus is situated in the heart of Tucson. Surrounded by mountains and the high Sonoran Desert, Tucson boasts a distinctive southwestern feel and enjoys more than 300 days of sunshine each year.

Outstanding UA benefits include health, dental, and vision insurance plans; life insurance and disability programs; paid vacation, sick leave, and holidays; UA/ASU/NAU tuition reduction for the employee and qualified family members; state and optional retirement plans; access to UA recreation and cultural activities; and more!

**Duties & Responsibilities**
- Assist investigators in developing MRI protocols and experiments
- Operate the 7T Bruker MRI system
- Ensure quality and reliability of data produced
- Assist and facilitate routine maintenance of the scanner

**Minimum Qualifications**
- Ph.D. in physical sciences or engineering
- Experience on a Bruker MRI scanner
- Extensive knowledge in MRI physics
- Ability to interact and work effectively with investigators
- Excellent spoken and written communication skills in English

**Preferred Qualifications**
- Ph.D. in MRI Physics and/or Engineering
- Three years of experience operating a Bruker scanner.
- Experience in pulse sequence programming, numerical computation, and signal processing
- Experience with image processing
- Strong computational and analytic skills
- Basic understanding of other imaging modalities such as US, CT, and PET

Contact
Contact Andy Rouse at rouse@email.arizona.edu or 520.621.4247 for more information about this position.

Applicants attending ISMRM are also encouraged to arrange meetings with one of several UofA investigators attending the conference. Please use the above contact info to arrange a meeting.