Requisition ID: req3155

Working Title:
HS Associate Scientist 3

Position Grade:
14

Position Summary:
Applicants are invited to apply for our Associate Scientist III in the Human MR Imaging Research Laboratory at the University Of New Mexico School Of Medicine (http://neurology.unm.edu/research/mr-lab/index.html).

The successful candidate will join an NIH funded collaboration of world-class research centers; including Center for Magnetic Resonance Research, New York University Center for Biomedical Imaging, University of Washington Department of Radiology and University of New Mexico Health Sciences Center. The successful candidate will work with imaging scientists, physicians and neurosurgeons to develop novel diagnostic MRI methods for mapping brain function in patients with brain tumors using high-frequency resting-state functional MRI.

Responsibilities include the development of ultra-high-speed data acquisition and reconstruction techniques on clinical MRI scanners, mapping of brain function using task-based and resting state fMRI, and analysis of measured signal changes using model- and data-driven analysis as well as biophysical models. The successful candidate is expected to be able to work independently as well as part of a multidisciplinary team with supervisory responsibilities of graduate student research.

A successful candidate may have the opportunity to transition as a Postdoctoral Fellow if desired.

See the Position Description for additional information.

Conditions of Employment:

- For individual positions in which driving is a job requirement, a valid NM driver's license and valid UNM driver's permit will be required.
- Successful candidate must submit to post-offer, pre-employment physical examination and medical history check.

Additional Requirements: Successful candidate must submit to post-offer, pre-employment physical examination and medical history check.
Campus:
Health Sciences Center (HSC) - Albuquerque, NM

Benefits Eligible:
This is a benefits eligible position. The University of New Mexico provides a comprehensive package of benefits including medical, dental, vision, and life insurance. In addition, UNM offers educational benefits through the tuition remission and dependent education programs. See the Benefits home page for more information.

Department:
Neurology Adult (490B)

Employment Type:
Staff

Staff Type:
Regular - Full-Time

Term End Date:

Status:
Exempt

Pay:
$3,956.33 - $5,924.53 Monthly

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ERB Statement:
Temporary and on-call employees working an appointment percentage of 26 (.26 FTE) or greater, per quarter, will be eligible to earn retirement service credits and thus are required to make New Mexico Educational Retirement Board (NMERB) contributions. More information pertaining to your FTE and NMERB contributions can be reviewed on the NMERB Guidelines Clarified webpage.

Background Check Required:
No

For Best Consideration Date:
2/19/2018
Application Instructions:
A complete application will include resume or cv, and cover letter. CV must include a listing of publications. In your cover letter please describe how your qualifications are relevant to the minimum and preferred qualifications for this position.

Minimum Qualifications: Master's degree; at least 5 years of experience directly related to the duties and responsibilities specified.

Completed degree(s) from an accredited institution that are above the minimum education requirement may be substituted for experience on a year for year basis.

Preferred Qualifications: • Ph.D. in MR physics, electrical engineering, biomedical engineering, computer science or related fields.

• Strong background in MR physics, digital signal processing, and MR image reconstruction

• Experience with reconstruction of parallel imaging, simultaneous multi-slice, and compressed sensing MRI data

• Experience with pulse sequence development (IDEA) and image reconstruction (ICE) on the Siemens Syngo platform

• Demonstrable record of peer-reviewed journal publications

• Documented ability to program in MATLAB and C/C++ on LINUX and Windows platforms.

• Experience with Perl/Python, QT programming, version control tools (such as CVS), documentation software (such as doxygen ) and OOA/OOD (object-oriented analysis/development).

• Excellent written and oral communication skills.

Apply Here: http://www.Click2Apply.net/wpq6m8xwnf7sn9fg

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