Job Opportunity: **Senior Scientist/Signal Processing**  
**University of Kansas Medical Center, Kansas City, KS, USA**

**Position Offered:** Hoglund Brain Imaging Center (HBIC) has an opening for a qualified, experienced Magnetic Resonance Scientist, joining a multidisciplinary team that supports a diverse group of research projects of faculty scientists at the University of Kansas Medical Center. Research at HBIC involves clinical studies using Magnetic Resonance Imaging (MRI) and Spectroscopy (MRS) to investigate aging and various neurological conditions and diseases.

The specific areas of research for this position include development of signal processing strategies, and data management and processing routines. Research projects include clinical investigation of metabolic, structural, functional and physiologic changes in normal aging, neurodegenerative and neurological disorders and various conditions, utilizing advanced MRI/MRS techniques. This position requires computer programming skills with strong mathematical, analytical and problem-solving aptitudes.

The successful candidate will be responsible for providing imaging data management and analysis support for the 3 T Human MRI Core. He or she will use their experience in MR signal processing to create streamlined MR data analysis software.

A competitive salary will be negotiated, and this position is eligible for full benefits including health insurance and an institutionally matched retirement plan

Expression of interest should be addressed to: **William Brooks, Ph.D., HBIC Director,** at wbrooks@kumc.edu or 913-588-9070

The Hoglund Brain Imaging Center is a research center of excellence at the University of Kansas in Kansas City, KS. The HBIC provides research imaging for studies to understand disease, injury, and normal function in humans and animals. The HBIC has a strong team of scientists who develop novel experimental approaches in magnetic resonance imaging/spectroscopy and magnetoencephalography in support of collaborations with investigators from nearby academic institutions. The HBIC provides a rich translational research-imaging environment, which includes 9.4 Tesla Varian MRI scanner, a 3 Tesla MRI scanner, a cortical magnetoencephalography biomagnetometer, and a fetal magnetoencephalography biomagnetometer, plus High-Density EEG capability for human studies. Further details may be found at [http://www.kumc.edu/hoglund](http://www.kumc.edu/hoglund)

The University of Kansas is one of 34 U.S. public institutions in the prestigious Association of American Universities, an invitation-only organization for the nation’s top research universities. In addition, KU is one of 26 U.S. universities that have a National Cancer Institute Cancer Center, an Alzheimer’s Disease Center and a Clinical and Translational Science Award.

**About Kansas City:** The Kansas City metropolitan area is located in the midwestern United States and has a population of ~2.1 million people. The city has one of the most affordable housing markets and lowest traffic among all cities in the United States. Greater Kansas City is headquarters to Fortune 1000 companies, including Sprint-Nextel Corp, Cerner, H&R block, and AMC. Kansas City offers a wealth of attractions. The landscape includes wide boulevards, beautiful parks, unique architecture and a lot of fountains. With more working fountains than any other city in the US, Kansas City is sometimes nicknamed the “City of Fountains”. Kansas City boasts great food, shopping, music, entertainment and performing arts. Whether it is the fine dining and local cuisine like the famous “Kansas City strip”, or attractions such as the American Jazz Museum, National World War I museum, or the Nelson-Atkins Museum of Fine Art, Kansas City has it all. The city is home to the Kansas City Chiefs (National Football League), the Kansas City Royals (Major League Baseball), and Sporting KC (Major League Soccer).

The University of Kansas Medical Center has a longstanding commitment to achieving diversity among faculty, staff, and students and is an EO/AA Employer.