



## **Musculoskeletal Radiology Fellowship**

*Johns Hopkins Medical Institutions*

Thank you for your interest in the Musculoskeletal Imaging Fellowship at the Johns Hopkins Medical Institutions. Johns Hopkins is a world-renowned referral center which as of 2011 has been rated as the number 1 hospital in the country for 21 consecutive years by US News & World Report.

The primary mission of the MSK Fellowship is to provide superior clinical training in CT, US and MR imaging of and intervention in MSK-related pathology. This mission is accomplished by the dedication of faculty members who are deeply committed to Resident and Fellow education. Our primary case volume is provided by the very active and diverse Orthopaedic Surgery Department, with active services across 3 Hospitals and several satellite clinics, and by Rheumatology, Neurology and Neurosurgery, Adult and Pediatric Emergency Medicine, and other relevant specialists.

The Fellowships offer an unparalleled educational and clinical experience, thanks to the volume, variety and breadth of pathology seen every day. The scope and depth of subspecialty interests, within the Dept. and across the Institution, guarantee a constant flow of educational experiences and vibrant cross-specialty interactions and opportunities. As a Fellow, you will work side by side with nationally and internationally acclaimed academic Radiologists and interact daily with world-renowned clinicians. Our MSK Imaging Section is committed to excellence in clinical service and education, and to collegiality.

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### **MSK Radiology Fellowship**

The Musculoskeletal Radiology Section currently offers a 12-month Fellowship:

The Musculoskeletal Fellowship is a one-year clinical and research program. The fellow participates in an intensive training program in musculoskeletal imaging which includes plain radiographs, CT, MRI, and US of the musculoskeletal system, arthrography (aspiration, pain assessment, and contrast injection procedures) and percutaneous bone biopsy. The fellow will be involved in a variety of novel techniques (for example, MR spectroscopy and advanced MDCT protocols for the musculoskeletal system; neurography) and be exposed to enormously wide-ranging pathologies. The fellow partakes in weekly sports medicine and musculoskeletal tumor conferences. Education is further advanced by weekly didactic conferences, weekly MRI review conferences, and weekly Orthopaedic Grand Rounds. Finally, fellowship training is enhanced by daily interaction with the Orthopaedic surgical and pathology faculties, members of the Rheumatology division, and other relevant specialists.

The faculty is active in a variety of clinical and laboratory research projects in the fields of

musculoskeletal CT and MRI, and in evolving techniques for the evaluation of bone and soft tissue tumors. The Fellow will have abundant opportunities for research.

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## Fellow Educational and Research Activities

At Johns Hopkins, there are many educational and multidisciplinary conferences available daily. In addition, a dedicated imaging Fellow Case Conference is held every Friday at noon. The conferences are given by radiology faculty and include both didactic lectures and interesting case conferences.

There are no formal research requirements for clinical imaging fellows. However, there are many ongoing projects in the department and Fellows are encouraged to participate, if interested.

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## Equipment

This list is rapidly changing; in April 2012 the new Johns Hopkins Clinical Building (1.5 million square feet) will officially open, by which time the list below will be subject to upgrades, additions, and change.

- CT : 6 Siemens Multidetector Scanners, (Dual Source Flash, Definition, 3 64 slice and 1 16 slice). We have the latest in 3D software and a dedicated 3D imaging lab. We currently do over 800 3D CT cases a month.
  - US : 13 rooms equipped with state of the art scanners including 7 Philips 5000, 2 Philips IU-22, 2 Sequoia, 1 Siemens Elegra, 1 Acuson XP 10 dedicated for US guided biopsies and 1 sonositic Titan and 1 GE Voluson 750. Several scanners have 3 D capabilities. All studies are reviewed and stored on a dedicated system.
  - MR : 11 magnets including Siemens, GE, Phillips. 5 3T magnets. 7 magnets are for clinical operations, 4 are dedicated to research. Future planning includes 7 new magnets within the next three years.
  - Nuclear Medicine: 2 GE CT-PET scanners
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## Application



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Applications for Fellowships beginning in 2013 will be accepted starting July 1, 2011. After applications are reviewed, we will begin the interviews in the Fall of 2011. Positions will be offered to

suitable candidates on a rolling basis until all 3 positions are filled.

Candidates must be Board-Certified or Board-Qualified in Diagnostic Radiology and must be eligible to obtain a State of Maryland medical license. Along with your completed application, please include your CV, a personal statement and 3 letters of recommendation. (Use the 3-digit, not 2-digit, version of USMLE scores please.)

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To apply for a Musculoskeletal Radiology Fellowship, mail your applications and correspondences to:

Johns Hopkins Outpatient Center  
*Musculoskeletal Radiology Section*  
The Russell H. Morgan Department of Radiology and  
Radiological Science  
601 N. Caroline Street/ Room 5168  
Baltimore MD, 21287  
**Attn: Mary Cokley**

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