**Department of Radiology**

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| **Faculty by Division** | | **Title** | **Research Focus** |
| **Body Imaging** | | | |
|  | Bruce Daniel | Professor | New techniques for MRI of breast cancer - ultra high spatial resolution MRI and contrast-agent-free detection of breast tumors; MRI-guided interventions, especially MRI-compatible remote manipulation and haptics; Methods of fusing patients and their images to potentially improve breast conserving surgery |
| **Body MRI** | | | |
| **Breast Imaging** | | | |
|  | Debra M. Ikeda | Professor | Improving the health and lives of women by breast cancer detection and diagnosis using imaging, in both development and testing of new imaging techniques, and transfer of new technology to the clinical arena |
|  | Wendy DeMartini | Professor | Development of a pilot tool for predicting the probability of malignancy of breast MRI lesions, assessment of the impact of background parenchymal enhancement (BPE) on breast MRI accuracy, and evaluation of current utilization patterns of breast MRI and other emerging technologies |
| **Canary Center at Stanford for Early Cancer Detection** | | | |
|  | Sharon Pitteri | Associate Professor | *Co-I 2015 WHSDM seed grant:* Integrated proteomic and transcriptomic analysis of X and Y sperm |
| **Cardiovascular Imaging** | | | |
|  | Dominik Fleischmann | Professor | *Co-I 2015 WHSDM seed grant:* Sex differences in ventricular adaptation and recovery in patients with aortic stenosis undergoing transcatheter aortic valve replacement |
| **Community Radiology** | | | |
| **Integrative Biomedical Imaging Informatics at Stanford (IBIIS)** | | | |
| **Interventional Radiology** | | | |
| **Molecular Imaging Program at Stanford (MIPS)** | | | |
| **Musculoskeletal Imaging** | | | |
| **Nuclear Medicine and Molecular Imaging** | | | |
| **Pediatric Radiology** | | | |
| **Radiological Sciences Laboratory (RSL)** | | | |
| **Thoracic Imaging** | | | |
|  | Ann Leung | Professor | Low-dose CT screening for lung cancer |
| **Veterans Affairs** | | | |