

Stanford



Bruce Daniel

Professor of Radiology (Body Imaging) and, by courtesy, of Bioengineering

CLINICAL OFFICES

- **Stanford Diagnostic Radiology**

300 Pasteur Dr Rm H1307

MC 5621

Stanford, CA 94305

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ACADEMIC CONTACT INFORMATION

- **Administrative Contact**

Jocelyn Steffen - Administrative Assistant

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Bio

CLINICAL FOCUS

- Diagnostic Radiology
- Radiology

ACADEMIC APPOINTMENTS

- Professor, Radiology
- Professor (By courtesy), Bioengineering
- Member, Bio-X
- Member, Stanford Cancer Institute

ADMINISTRATIVE APPOINTMENTS

- Gastrointestinal Oncology Tumor Board, Stanford, (1997- present)
- Genito-Urinary Tumor Board, Stanford, (2010- present)

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HONORS AND AWARDS

- Lauterber Award in MR, Society of Computed Body Tomography and Magnetic Resonance (2008)
- Second Place Poster Awarded [Contributing Author], 5th Interventional MRI Symposium (2004)

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PROFESSIONAL EDUCATION

- Fellowship: Stanford University School of Medicine Registrar (1997) CA
- Board Certification: Diagnostic Radiology, American Board of Radiology (1995)

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Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

1. MRI of Breast Cancer, particularly new techniques. Currently being explored are techniques including ultra high spatial resolution MRI and contrast-agent-free detection of breast tumors.
2. MRI-guided interventions, especially MRI-compatible remote manipulation and haptics
3. Medical Mixed Reality. Currently being explored are methods of fusing patients and their images to potentially improve breast conserving surgery, and other conditions.

CLINICAL TRIALS

- Magnetic Resonance Imaging of Breast Cancer, Recruiting
- Accelerated Partial Breast Irradiation Following Lumpectomy for Breast Cancer, Not Recruiting
- High Resolution 3D Diffusion-weighted Breast MRI, Not Recruiting

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Teaching

COURSES

2018-19

- Clinical Needs and Technology: BIOE 301B (Win)
- Mixed-Reality in Medicine: RAD 206 (Aut)

2017-18

- Clinical Needs and Technology: BIOE 301B (Win)

2015-16

- Clinical Needs and Technology: BIOE 301B (Win)

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STANFORD ADVISEES

Doctoral Dissertation Advisor (AC)

Steffi Perkins

Publications

PUBLICATIONS

- **Location constrained approximate message passing for compressed sensing MRI** *MAGNETIC RESONANCE IN MEDICINE*
Sung, K., Daniel, B. L., Hargreaves, B. A.
2013; 70 (2): 370-381
- **Subject-specific models of susceptibility-induced B0 field variations in breast MRI** *JOURNAL OF MAGNETIC RESONANCE IMAGING*
Jordan, C. D., Daniel, B. L., Koch, K. M., Yu, H., Conolly, S., Hargreaves, B. A.
2013; 37 (1): 227-232

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