BIOGRAPHICAL SKETCH

Provide the following information for the key personnel and other significant contributors in the order listed on Form Page 2.
Follow this format for each person. **DO NOT EXCEED FOUR PAGES.**

NAME	POSITION TITLE
Pisani, Laura Jean	Instrumenation Specialist/ MRI Physicist
eRA COMMONS USER NAME (credential, e.g., agency login)	
PISANI.LAURA	

EDUCATION/TRAINING *(Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)*

INSTITUTION AND LOCATION	DEGREE *(if applicable)*	YEAR(s)	FIELD OF STUDY
Stanford University	Postdoctoral	2002-2007	MRI Physics
Oakland University	Ph.D.	1995-2002	Biomedical Sciences: Medical Physics
McGill University	M.Sc.	1992-1995	Medical Radiation Physics
Wellesley College	B.A.	1988-1992	Physics

NOTE: The Biographical Sketch may not exceed four pages. Follow the formats and instructions on the attached sample.

A. Positions and Honors. List in chronological order previous positions, concluding with your present position. List any honors. Include present membership on any Federal Government public advisory committee.

Positions and Employment

1995-2002 Research assistant, Radiotherapy, William Beaumont Hospital, Royal Oak, MI
2002 Teaching Intern, Oakland Community College, Orchard Ridge, MI
2002-2004 NCI Postdoctoral Fellow in Advanced Techniques for Cancer Imaging, Radiology, Stanford University
2004-2007 Postdoctoral Fellow, Radiology, Stanford University
2005- Radiology Department Research Committee, Stanford University
2007- MRI Physicist/Instrumentation Specialist, Radiology, Stanford University

Academic and Professional Honors:

2006 Ruth L. Kirschstein National Research Service Awards for Individual Postdoctoral Fellows (F32), entitled “Fetal fMRI”.

2005 National Institutes of Health (NIH) Pediatric Loan Repayment Program.
ISMRM Student Travel Award

2004 ISMRM Student Travel Award

2003 ISMRM Student Travel Award

2002 NCI Postdoctoral Research Fellowship in Advanced Techniques for Cancer Imaging.
ISMRM Student Travel Award

1992 Phyllis Flemming Award for Distinction in Physics
Hughes Fellowship

Current Professional Societies:

American Association of Physicists in Medicine

International Society for Magnetic Resonance in Medicine

B. Selected peer-reviewed publications (in chronological order). Do not include publications submitted or in preparation. For publicly available citations, URLs or PMC submission identification numbers may accompany the full reference; copies of publicly available publications are not accepted as appendix material.

Lartey FM, Ahn GO, Shen B, Cord KT, Smith T, Chua JY, Rosenblum S, Liu H, James ML, Chernikova S, Lee SW, **PisaniLJ**, Tirouvanziam R, Chen JW, Palmer TD, Chin FT, Guzman R, Graves EE, Loo BW Jr., "PET Imaging of Stroke-Induced Neuroinflammation in Mice Using [18F]PBR06." Mol Imaging Biol. 2013 Jul 9.

Shi Q, **Pisani LJ**, Lee YK, Messing S, Ansari C, Bhaumik S, Lowery L, Lee BD, Meyer DE, Daldrup-Link HE. "Evaluation of the Novel USPIO GEH121333 For MR Imaging of Cancer Immune Responses" Contrast Media Mol Imaging. 2013 May-Jun;8(3):281-8. PMCID: PMC3662997

Khurana A, Nejadnik H, Chapelin F, Lenkov O, Gawande R, Lee S, Gupta SN, Aflakian N, Derugin N, Messing S, Lin G, Lue TF, **Pisani L**, Daldrup-Link HE "Ferumoxytol: a new, clinically applicable label for stem-cell tracking in arthritic joints with MRI." Nanomedicine (Lond) 2013 Mar 27.

Khurana A, Nejadnik H, Gawande R, Lin G, Lee S, Messing S, Castaneda R, Derugin N, **Pisani L**, Lue TF, Daldrup-Link HE "Intravenous ferumoxytol allows non-invasive MR monitoring of macrophage migration into stem cell transplants" Radiology. 2012 Sep;264(3):803-11. PMCID: PMC3426856.

Hardy J, Kirkendoll B, Zhao H, **Pisani L**, Luong R, Switzer A, McConnell MV, Contag CH "Infection of pregnant mice with Listeria monocytogenes induces fetal bradycardia" Pediatr Res. 2012 May;71(5):539-45.

N Miyama, MM Dua, GM Schultz, H Kosuge, M Terashima, **LJ Pisani**, RL Dalman, MV McConnell. "Bioluminescence and Magnetic Resonance Imaging of Macrophage Homing to Experimental Abdominal Aortic Aneurysms" Mol Imaging. 2012 Apr 1;11(2):126-34.

H. Schmiedeskamp, R. D. Newbould, **L. J. Pisani**, S. Skare, G. H. Glover, K. P. Pruessmann, R. Bammer, "Improvements in parallel imaging accelerated functional MRI using multiecho echo-planar imaging", Magn Reson Med. 2010 Mar;63(4):959-969. PMCID: PMC2906757

L. J. Pisani, R. Bammer, G. H. Glover, "Restricted Field of View Magnetic Resonance Imaging of a Dynamic Time Series", Magn Reson Med. 2007 Feb;57(2):297-307.

K. Butts Pauly, V. Rieke, **L. Pisani**, G. Sommer, D. Bouley, C. Diederich, A. Ross, W. Nau, A. Kinsey, C. Dumoulin, R. Watkins, "Assessment of MR Thermometry During High Intensity Ultrasound Ablation of the Canine Prostate", AIP Conference Proceedings, 2006 May;829:76-80.

L. J. Pisani, A. B. Ross, C. J. Diederich, W. H. Nau, F. G. Sommer, G. H. Glover, K. Butts, "Effects of Spatial and Temporal Resolution for MR Image-guided Thermal Ablation of Prostate with Transurethral Ultrasound", submitted to JMRI, 2004.

L. Pisani, D. Lockman, D. Jaffray, D. Yan, A. Martinez, and J. Wong, "Setup Error in Radiotherapy: On-line Correction Using Electronic Kilovoltage and Megavoltage Radiographs", Int. J. Radiation Oncology Biol. Phys., **47**(3), pp. 825-839, 2000.

C. Research Support

Completed Research Support

1F32EB005572-01A1 (Laura J. Pisani, Ph.D.) 09/01/06 - 12/31/07
NATIONAL INSTITUTE OF BIOMEDICAL IMAGING AND BIOENGINEERING
Fetal Functional Magnetic Resonance Imaging
In order to develop an f-fMRI technique, the 3 specific aims were: 1) Optimize a restricted-field-of- view f-fMRI sequence ex utero, 2) Implement restricted-field-of-view f-fMRI sequence in utero, and 3) Develop motion correction strategies for f-fMRI.

P41 RR09784 (Gary H. Glover, Ph.D.) 01/01/95 – 5/31/01 100%
NIH/NCRR
Center of Advanced MR Technology at Stanford (P41RR09784)

The goals of this project are to develop innovative MR techniques for fundamental anatomic, physiologic and pathophysiologic studies involving animals and humans and to serve the academic and scientific community through collaborations, education, and access to Center facilities and resources.