Robin Stern, Ph.D.

Clinical Interests
Dr. Stern is a medical physicist with broad clinical interest in radiation oncology treatment and treatment planning. While supporting all treatment modalities, she specializes in brachy therapy, both high-dose-rate CHDRJ and low-dose-rate CLDRJ, and intra-cranial and body stereotactic treatment using both Gamma Knife and linear accelerator systems. She is particularly interested in improving patient safety through the use of quality assurance/quality control/quality improvement tools and methodologies.

Title
Chief Clinical Physicist
Professor

Specialty
Cancer, Radiation Oncology

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Education
Ph.D., University of Michigan, Ann Arbor, Michigan, 1987
B.A., Rice University, Houston, Texas, 1981
M.S., University of Michigan, Ann Arbor, Michigan, 1984

Fellowships
Duke University, Durham, North Carolina, 1987-1989
University of Michigan, Ann Arbor , Michigan, 1989-1991

Board Certifications
American Board of Radiology, 1997

Professional Memberships
American Association of Physicists in Medicine
American College of Radiology
American Society of Therapeutic Radiology and Oncology
San Francisco Bay Area Chapter, American Association of Physicists in Medicine

Honors and Awards
Fellow, American Association of Physicists in Medicine, 2007
Who's Who in America, 2005
Sigma Pi Sigma, 1981
Phi Beta Kappa, 1981

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Select Recent Publications

Perks JR, Stanic S, Stern RL, Henk B, Nelson MS, Harse RD, Mathai M, Purdy JA, Valicenti RK, Siefkin AD, Chen AM. Failure Mode and Effect Analysis for Delivery of Lung Stereotactic Body Radiation Therapy. *Int J Radiat Oncol Biol Phys*. 2011 Dec 22. [Epub ahead of print]

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Lehman, J., R.L. Stern, T. Daly, C.L. Hartmann, Siantar, and Z. Goldberg. Radiation Phantom with Humanoid Shape and Adjustable Thickness (RPHAT). Physics in Medicine and Biology, 49(9): N125 - N129, 2004.

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