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Jessica Scholey

Jessica Scholey, M.S.



Clinical Instructor
Division of Physics
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Professional Focus

Jessica is a Clinical Instructor in the UCSF Department of Radiation Oncology. She received her bachelor's degree in physics from the University of California at Berkeley, and subsequently spent a year doing biophysics and biochemistry research at the University of California at Davis. After obtaining her master's degree in Medical Physics from the University of Pennsylvania, she served as Chief Medical Physics Resident in Penn's Radiation Oncology Department. During this time, her research focused on image-guided radiotherapy, proton pencil beam scanning (commissioning and treatment planning), and functional imaging for sparing normal tissues. Her clinical interests range from external beam

photon and proton radiotherapy to high-dose rate brachytherapy. An additional focus includes contributing to a collaborative, team-based environment which encourages high-quality assurance and care in a multidisciplinary academic institution.

Education

2015-2017	University of Pennsylvania	Resident	Therapeutic Medical Physics
2013-2015	University of Pennsylvania	MS	Medical Physics
2010-2012	University of California, Berkeley	BA	Physics

Professional Experience

2017-present	University of California, San Francisco	Clinical Instructor	Department of Radiation Oncology
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Awards & Honors

2010	Faustman Perpetual Award for Excellent Academic Standing
2010	UC Berkeley Leadership Award Finalist
2011	UC Berkeley Dean's Honors List
2012	UC Berkeley Physics Undergraduate Research Scholar
2015	1st Place ? Grand Registration Challenge, Penn Biomedical Imaging Course

Recent Significant Publications :

Ainsley CG, Scholey JE, Lin L. **A novel technique for deriving parameters characterizing the low-dose halo of proton pencil-beam scanning spots**, Phys Med Bio. In Review.

Lin LL, Kirk M, Scholey J, Taku N, Kiely JB, White B, Both S. 2016. **Initial report of pencil beam scanning proton therapy for posthysterectomy patients with gynecologic cancer**, Int J Radiat Oncol Bio Phys, 95(1): p.181-9 (2016).

Scholey JE, Nithianantham S, Scholey JM, Al-Bassam J. **Structural basis for the assembly of the mitotic motor kinesin-5 into bipolar tetramers**, ELife. 2014; e02217

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