

The University of Chicago

The University of Chicago's Department of Radiation and Cellular Oncology is seeking qualified applicants for a full-time Postdoctoral Scholar position. The primary activity of a Postdoctoral Scholar is academic research in association with a faculty member or team. An opening currently exists with a research team examining the role of radioenhancing nanoparticles in prostate cancer (Drs. Wenbin Lin, Ralph Weichselbaum, and Michael Spiotto). Areas of research include but are not limited to animal models of tumorigenesis and immune responses against prostate cancer. This Postdoctoral Scholar will be tasked with generating transgenic models of prostate cancer for nanoparticle injection and image-guided radiotherapy; generation of primary prostate cancer models via breeding of multiple transgenic cell lines; serial isolation of peripheral blood leukocytes; survival surgery including intraprostatic injection of nanoparticles and surgical castration; small animal image-guided radiotherapy; tissue harvesting and microscopy; *in vivo* and *ex vivo* immunological assays; *in vitro* radiosensitivity assays of nanoparticles on various cancer cell lines; implementation/development of novel protocols and procedures; execution of experiments; analysis of results; and generation of manuscripts for publication. Familiarity with histology, animal husbandry, *in vivo* surgical techniques and T cell assays is preferred. Additional opportunities to consult and/or participate in the composition of translational research grant applications is also available. Qualified applicants must possess a doctorate degree. Ideal candidates would possess a strong background in immunology, with experience in molecular biology, cell culture, and animal models of human cancer. The level of the position and compensation are dependent on qualifications and experience. Interested candidates should submit curriculum vitae, bibliography, a statement of research interests, and contact information for at least three references to Dr. M. Spiotto, Dept. of Radiation and Cellular Oncology, 5758 S. Maryland Ave, MC9006, Chicago, IL. 60637 or via email to: mspiotto@radonc.uchicago.edu

The University of Chicago is an Affirmative Action/Equal Opportunity/Disabled/Veterans Employer and does not discriminate on the basis of race, color, religion, sex, sexual orientation, gender identity, national or ethnic origin, age, status as an individual with a disability, protected veteran status, genetic information, or other protected classes under the law (including Title IX of the Education Amendments of 1972). For additional information please see the University's Notice of Nondiscrimination at http://www.uchicago.edu/about/non_discrimination_statement/. Job seekers in need of a reasonable accommodation to complete the application process should call 773-702-0287 or email ACOppAdministrator@uchicago.edu with their request.