Postdoctoral Research Positions in DNA Double-Strand Break Repair and Glioblastoma Therapy at UT Southwestern Medical Center, Dallas

Two postdoctoral positions are available beginning in Fall 2016 in the laboratory of Sandeep Burma, Ph.D. in the Division of Molecular Radiation Biology, Department of Radiation Oncology.

The Burma Laboratory works on the responses of mammalian cells to DNA double-strand breaks, and their carcinogenic and cancer-therapeutic implications (with a strong focus on high grade brain tumors).

Potential projects include:

- Elucidating the role of EXO1 in DNA damage signaling and repair (for example, see Tomimatsu et al., Nature Communications, 2014)
- Understanding how specific DNA repair pathways act as barriers to brain tumor development (for example, see Camacho et al., Oncogene, 2015)
- Developing strategies to target DNA repair pathways in order to potentiate glioblastoma therapy (for example, see Gil del Alcazar et al., Molecular Cancer Research, 2016)

Studies will be carried out using well-established in vitro and in vivo models, including genetically engineered mouse models of glioblastoma. These projects are supported by funding from NCI and NASA.

The appropriate candidate should be a recent Ph.D. with a strong background in cell and molecular biology. Prior experience in the field of DNA repair or extensive experience with mouse cancer models would be highly desirable. Interested individuals should send a cover letter detailing career goals along with a CV and three references to:

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UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.