Paramita M. Ghosh, M.Sc., Ph.D.

Clinical Interests
My current research concentrates on the study of signal transduction pathways involved in prostate cancer development and progression. This includes studies on the EGFR family of receptor tyrosine kinases, leading to the PI3K/Akt pathway and finally to the mTOR signaling pathway. In particular, I investigate the interaction of these pathways with the androgen receptor. My research involves identification of significant therapeutic targets, as well as studying the effects of inhibitors of those targets both in vitro as well as in animal models. I am currently funded to study drug combinations that target parallel signaling pathways and in combination, appear to be highly effective in inhibiting the progression of prostate cancer.

Title
Associate Professor

Specialty
Cancer, Urologic Oncology, Urology

Department
Urology

Division
Urology

Center/Program Affiliation
UC Davis Comprehensive Cancer Center

Languages
Bengali

Education
M.Sc., Jadavpur University, Calcutta, 1989
Ph.D., Rensselaer Polytechnic Institute, Troy, New York, 1994
B.Sc., Jadavpur University, Calcutta, 1987

Fellowships
University of Texas Health Science Center, San Antonio, Texas, 1994-2000

Professional Memberships
American Association for Cancer Research
American Association for the Advancement of Science
American Urological Association
The Society for Basic Urologic Research

Select Recent Publications
Savoy RM, Ghosh PM. Linking inflammation and neuroendocrine differentiation: the role of macrophage migration inhibitory factor-mediated signaling in prostate cancer. Endocr Relat Cancer. 2013 May 21;20(3):C1-4

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Savoy RM, Ghosh PM. The changing roles of steroid nuclear receptors with prostate cancer progression. Endocr Relat Cancer. 2013 Jul 4;20(4):C9-11

Savoy RM, Ghosh PM. The dual role of filamin A in cancer: can't live with (too much of) it, can't live without it. Endocr Relat Cancer. 2013 Nov 4;20(6):R341-56. doi: 10.1530/ERC-13-0364. Print 2013 Dec.

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