

Technology: [Prostate carcinogenesis predictor](#)

VA ID Number 08-016

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Location: Tampa, FL

Topic: Therapeutic/Oncology

USPTO Issue Date: 7/14/2015

Patent Number: 9,078,915

The VA has a joint ownership interest with The University of South Florida

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Abstract: A method of detecting prostate tumorigenesis in a subject, the method including the steps of (a) obtaining a sample from the prostate of the human subject, (b) detecting quantitatively or semi-quantitatively in the sample a level of expression for PKC- and (c) comparing the expression level in (b) to a level of expression in a normal control, wherein overexpression of PKC-, with respect to the control, indicates the presence of prostate cancer in the subject. The present invention is based upon the discovery that PKC- levels are elevated during prostate tumorigenesis. Furthermore, the proliferation rate of the tumor correlates with the level of PKC-. The invention also provides methods of treating prostate cancer by administering to the subject a compound that inhibits the expression of PKC-. The compound can be a small interfering RNA (siRNA) molecule.