

Accepted Manuscript

An Integrative Model of Prostate Cancer Interaction with the Bone Microenvironment

A. Farhat, D. Jiang, D. Cui, E.T. Keller, Trachette L. Jackson

PII: S0025-5564(16)30181-X
DOI: [10.1016/j.mbs.2017.09.005](https://doi.org/10.1016/j.mbs.2017.09.005)
Reference: MBS 7977



To appear in: *Mathematical Biosciences*

Received date: 21 September 2016
Revised date: 27 August 2017
Accepted date: 11 September 2017

Please cite this article as: A. Farhat, D. Jiang, D. Cui, E.T. Keller, Trachette L. Jackson, An Integrative Model of Prostate Cancer Interaction with the Bone Microenvironment, *Mathematical Biosciences* (2017), doi: [10.1016/j.mbs.2017.09.005](https://doi.org/10.1016/j.mbs.2017.09.005)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A mathematical model for metastatic prostate cancer growth in bone is developed.
- The model predicts disease states associated with both high and low osteogenesis.
- Different disease states are mediated by Wnt and by the effects of PSA on TFG- β .
- Control strategies that target the Wnt axis are predicted to be the most promising.

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/5760358>

Download Persian Version:

<https://daneshyari.com/article/5760358>

[Daneshyari.com](https://daneshyari.com)