

# Cancer Prevention and Control (CPC) Seminar

***EPI 696B***

**Wednesday, September 26<sup>th</sup>**

**9:00 am**

**(Bagels and Coffee will be served)**

**UA Cancer Center – 2920**

***“Blocking Non-Melanoma Skin Cancer by Regulating  
Inflammatory Signaling Keratinocytes: Targeting Toll-like  
Receptor 4”***



**Sally Dickinson, PhD**

Research Assistant Professor, Pharmacology  
University of Arizona Cancer Center Member

**Presentation Summary:** Skin cancer is the most frequently diagnosed cancer in the United States, affecting one in five Americans by the age of 70. Our group aims to develop novel means to prevent and treat non-melanoma skin cancer, specifically focusing on the most deadly form of the disease, cutaneous squamous cell carcinoma (cSCC). It is well established that overstimulation of inflammation can be a contributing factor to the development of many forms of cancer, including cSCC. In this talk I will discuss our recent findings which indicate that targeting inflammatory stress signaling within skin keratinocytes (the progenitors of cSCC) using pharmacological inhibitors of Toll-like Receptor 4 (TLR4) can block UV-induced stress signaling and skin carcinogenesis.

If you wish to view this presentation at a later time, you may access the video at <https://streaming.biocom.arizona.edu/home/> Click on ‘Centers of Excellence’ then ‘Arizona Cancer Center’; scroll to the date desired.

In addition, CPC Seminars are now available, via Zoom. Please follow the link <https://zoom.us/j/6021215414> . If you do not currently have zoom, you will be prompted to download the free app. Alternatively, you can open your zoom app and join the meeting with 6021215414