

# Accepted Manuscript

Targeting the turnover of oncoproteins as a new avenue for therapeutics development in castration-resistant prostate cancer

Shan Wang, Dede N. Ekoue, Ganesh V. Raj, Ralf Kittler



PII: S0304-3835(18)30565-2

DOI: [10.1016/j.canlet.2018.09.010](https://doi.org/10.1016/j.canlet.2018.09.010)

Reference: CAN 14055

To appear in: *Cancer Letters*

Received Date: 1 June 2018

Revised Date: 23 August 2018

Accepted Date: 3 September 2018

Please cite this article as: S. Wang, D.N. Ekoue, G.V. Raj, R. Kittler, Targeting the turnover of oncoproteins as a new avenue for therapeutics development in castration-resistant prostate cancer, *Cancer Letters* (2018), doi: 10.1016/j.canlet.2018.09.010.

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.

**Abstract**

The current therapeutic armamentarium for castration-resistant prostate cancer (CRPC) includes second-generation agents such as the Androgen Receptor (AR) inhibitor enzalutamide and the androgen synthesis inhibitor abiraterone acetate, immunotherapies like sipuleucel-T, chemotherapies including docetaxel and cabazitaxel and the radiopharmaceutical radium 223 dichloride. However, relapse of CRPC resistant to these therapeutic modalities occur rapidly. The mechanisms of resistance to these treatments are complex, including specific mutations or alternative splicing of oncogenic proteins. An alternative approach to treating CRPC may be to target the turnover of these molecular drivers of CRPC. In this review, the mechanisms by which protein stability of several oncoproteins such as AR, ERG, GR, CYP17A1 and MYC, will be discussed, as well as how these findings could be translated into novel therapeutic agents.

Download English Version:

<https://daneshyari.com/en/article/10157497>

Download Persian Version:

<https://daneshyari.com/article/10157497>

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