

## Accepted Manuscript

Title: Emerging biomarkers for cancer immunotherapy in melanoma

Authors: Margaret L. Axelrod, Douglas B. Johnson, Justin M. Balko



PII: S1044-579X(17)30121-9  
DOI: <http://dx.doi.org/10.1016/j.semcancer.2017.09.004>  
Reference: YSCBI 1381

To appear in: *Seminars in Cancer Biology*

Received date: 14-6-2017  
Revised date: 7-9-2017  
Accepted date: 12-9-2017

Please cite this article as: Axelrod Margaret L, Johnson Douglas B, Balko Justin M. Emerging biomarkers for cancer immunotherapy in melanoma. *Seminars in Cancer Biology* <http://dx.doi.org/10.1016/j.semcancer.2017.09.004>

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.

**Emerging biomarkers for cancer immunotherapy in melanoma**

Margaret L. Axelrod<sup>1,2</sup>, Douglas B. Johnson<sup>1</sup>, Justin M. Balko<sup>1,2,3</sup>

**Affiliations:**

Departments of <sup>1</sup>Medicine, <sup>2</sup>Cancer Biology, and <sup>3</sup>Breast Cancer Research Program,  
Vanderbilt University Medical Center, Nashville TN

**Corresponding authors:**

Justin Balko

Vanderbilt University Medical Center

2200 Pierce Ave, 777 PRB

Nashville, TN 37232-6307

E-mail: justin.balko@vanderbilt.edu

Phone: (615) 322-4967

Douglas B. Johnson

Vanderbilt University Medical Center

2200 Pierce Ave, 777 PRB

Nashville, TN 37232-6307

Email: douglas.b.johnson@vanderbilt.edu

Phone: (615) 936-3524

Fax: (615) 936-1790

**Abstract**

The treatment and prognosis of metastatic melanoma has changed substantially since the advent of novel immune checkpoint inhibitors (ICI), agents that enhance the anti-tumor immune response. Despite the success of these agents, clinically actionable biomarkers

Download English Version:

<https://daneshyari.com/en/article/10157001>

Download Persian Version:

<https://daneshyari.com/article/10157001>

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