

Accepted Manuscript

Title: Annexin A1 influences in breast cancer: Controversies on contributions to tumour, host and immunoediting processes

Authors: Yan Tu, Cameron N. Johnstone, Alastair G. Stewart



PII: S1043-6618(16)31333-0
DOI: <http://dx.doi.org/doi:10.1016/j.phrs.2017.02.011>
Reference: YPHRS 3506

To appear in: *Pharmacological Research*

Received date: 13-12-2016
Revised date: 8-2-2017
Accepted date: 8-2-2017

Please cite this article as: Tu Yan, Johnstone Cameron N, Stewart Alastair G. Annexin A1 influences in breast cancer: Controversies on contributions to tumour, host and immunoediting processes. *Pharmacological Research* <http://dx.doi.org/10.1016/j.phrs.2017.02.011>

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.

**Annexin A1 influences in breast cancer: controversies on
contributions to tumour, host and immunoediting processes**

Yan Tu¹, Cameron N Johnstone², Alastair G Stewart¹

¹Department of Pharmacology and Therapeutics, The University of Melbourne, Parkville,
Melbourne, Australia

²Cancer & Inflammation Laboratory, Olivia Newton-John Cancer Research Institute,
Heidelberg, Australia

Corresponding author:

Alastair G Stewart

Department of Pharmacology and Therapeutics, University of Melbourne,
Victoria 3010 Australia.

Email: astew@unimelb.edu.au

Abstract:

Annexin A1 is a multifunctional protein characterised by its actions in modulating the innate and adaptive immune response. Accumulating evidence of altered annexin A1 expression in many human tumours raises interest in its functional role in cancer biology. In breast cancer, altered annexin A1 expression levels suggest a potential influence on tumorigenic and metastatic processes. However, reports of conflicting results reveal a relationship that is much more complex than first conceptualised. In this review, we explore the diverse actions of annexin A1 on breast tumour cells and various host cell types, including stromal immune and structural cells, particularly in the context of cancer immunoediting.

Graphical Abstract:

Download English Version:

<https://daneshyari.com/en/article/5557474>

Download Persian Version:

<https://daneshyari.com/article/5557474>

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