

## Accepted Manuscript

Can morphological changes of erythrocytes be driven by hemoglobin?

S.G. Gevorkian, A.E. Allahverdyan, D.S. Gevorgyan, Wen-Jong Ma,  
Chin-Kun Hu

PII: S0378-4371(18)30662-9

DOI: <https://doi.org/10.1016/j.physa.2018.05.118>

Reference: PHYSA 19658

To appear in: *Physica A*

Received date: 9 July 2017

Revised date: 12 April 2018

Please cite this article as: S.G. Gevorkian, A.E. Allahverdyan, D.S. Gevorgyan, W.-J. Ma, C.-K. Hu, Can morphological changes of erythrocytes be driven by hemoglobin?, *Physica A* (2018), <https://doi.org/10.1016/j.physa.2018.05.118>

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

12345678901234567890123456789012345678901234567890123456789012345678  
90123456789012345

The origin of the force driving the morphological changes of erythrocytes (MCE) at 49°C is not clear.

We found that hemoglobin has thermally induced force-release at 49°C [Sci. Rep. 5 (2015) 13064].

We propose that thermally induced force-release in hemoglobin provides the force for the MCE at 49°C.

Download English Version:

<https://daneshyari.com/en/article/7374813>

Download Persian Version:

<https://daneshyari.com/article/7374813>

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