

Accepted Manuscript

Lessons From the Crystal Structure of the *S. aureus* Surface Protein Clumping Factor A in Complex With Tefibazumab, an Inhibiting Monoclonal Antibody

Vannakambadi K. Ganesh, Xiaowen Liang, Joan A. Geoghegan, Ana Luisa V. Cohen, Nagarajan Venugopalan, Timothy J Foster, Magnus Hook

PII: S2352-3964(16)30449-2
DOI: doi: [10.1016/j.ebiom.2016.09.027](https://doi.org/10.1016/j.ebiom.2016.09.027)
Reference: EBIOM 800

To appear in: *EBioMedicine*

Received date: 8 June 2016
Revised date: 13 September 2016
Accepted date: 29 September 2016



Please cite this article as: Ganesh, Vannakambadi K., Liang, Xiaowen, Geoghegan, Joan A., Cohen, Ana Luisa V., Venugopalan, Nagarajan, Foster, Timothy J, Hook, Magnus, Lessons From the Crystal Structure of the *S. aureus* Surface Protein Clumping Factor A in Complex With Tefibazumab, an Inhibiting Monoclonal Antibody, *EBioMedicine* (2016), doi: [10.1016/j.ebiom.2016.09.027](https://doi.org/10.1016/j.ebiom.2016.09.027)

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.

**Lessons from the crystal structure of the *S. aureus* surface protein
Clumping factor A in complex with tefibazumab, an inhibiting
monoclonal antibody**

Vannakambadi K. Ganesh^{1*#}, Xiaowen Liang^{1#}, Joan A. Geoghegan^{2#}, Ana Luisa V. Cohen¹, Nagarajan Venugopalan³, Timothy J Foster² and Magnus Hook^{1*}

¹Center for Infectious and Inflammatory Diseases, Institute of Biosciences and Technology, Texas A & M University Health Science Center, 2121 W Holcombe Blvd., Houston, TX 77030, USA.

²Department of Microbiology, Moyne Institute of Preventive Medicine, School of Genetics and Microbiology, Trinity College Dublin, Dublin 2, Ireland.

³GM/CA@APS, Argonne National Laboratory, 9700 South Cass Avenue, Lemont, IL 60439, USA

Shared first authors

*Corresponding authors

Running title: Molecular mechanisms of ClfA/fibrinogen/tefibazumab interactions

Keywords: Staphylococcal infections, Clumping factor A, Fibrinogen, Tefibazumab, Aurexis, MSCRAMM, Therapeutics.

The coordinates and the related structure factors have been deposited in Protein Data Bank (PDB ID: 5JQ6).

Download English Version:

<https://daneshyari.com/en/article/8439175>

Download Persian Version:

<https://daneshyari.com/article/8439175>

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