

Accepted Manuscript

Inhibiting pyrimidine biosynthesis impairs Ebola virus replication through depletion of nucleoside pools and activation of innate immune responses

Priya Luthra, Jacinth Naidoo, Colette A. Pietzsch, Sampri De, Sudip Khadka, Manu Anantpadma, Caroline G. Williams, Megan R. Edwards, Robert A. Davey, Alexander Bukreyev, Joseph M. Ready, Christopher F. Basler

PII: S0166-3542(18)30222-5

DOI: [10.1016/j.antiviral.2018.08.012](https://doi.org/10.1016/j.antiviral.2018.08.012)

Reference: AVR 4358

To appear in: *Antiviral Research*

Received Date: 17 April 2018

Revised Date: 16 August 2018

Accepted Date: 18 August 2018

Please cite this article as: Luthra, P., Naidoo, J., Pietzsch, C.A., De, S., Khadka, S., Anantpadma, M., Williams, C.G., Edwards, M.R., Davey, R.A., Bukreyev, A., Ready, J.M., Basler, C.F., Inhibiting pyrimidine biosynthesis impairs Ebola virus replication through depletion of nucleoside pools and activation of innate immune responses, *Antiviral Research* (2018), doi: 10.1016/j.antiviral.2018.08.012.

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.



Inhibiting pyrimidine biosynthesis impairs Ebola virus replication through depletion of nucleoside pools and activation of innate immune responses

Priya Luthra¹, Jacinth Naidoo², Colette A. Pietzsch³, Sampriti De¹, Sudip Khadka¹, Manu Anantpadma^{5,6}, Caroline G. Williams¹, Megan R. Edwards¹, Robert A. Davey^{5,6}, Alexander Bukreyev⁴, Joseph M. Ready² and Christopher F. Basler^{1*}

¹Center for Microbial Pathogenesis, Institute for Biomedical Sciences, Georgia State University, Atlanta, Georgia, USA.

²Department of Biochemistry, UT Southwestern Medical Center, Dallas, Texas 75390

³Department of Pathology, Galveston National Laboratory, The University of Texas Medical Branch at Galveston, 301 University Boulevard, Galveston, Texas 77555.

⁴Departments of Pathology, Microbiology & Immunology, Galveston National Laboratory, The University of Texas Medical Branch at Galveston, 301 University Boulevard, Galveston, Texas 77555.

⁵Department of Virology and Immunology, Texas Biomedical Research Institute, San Antonio, TX 78245.

⁶Current address: Department of Microbiology, NEIDL, Boston University School of Medicine, Boston, MA, 02118.

*Corresponding Author:
Christopher F. Basler, PhD
Center for Microbial Pathogenesis
Institute for Biomedical Sciences
Georgia State University
Atlanta, GA 30303
Tel. (404) 413-3651
Email: cbasler@gsu.edu

Download English Version:

<https://daneshyari.com/en/article/9954772>

Download Persian Version:

<https://daneshyari.com/article/9954772>

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