The JOURNAL of BIOMEDICAL RESEARCH

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April 9, 2013, Beijing



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A Brief History of the Journal

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Scope and Aim of the Journal

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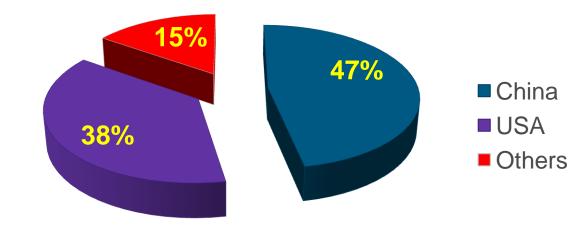
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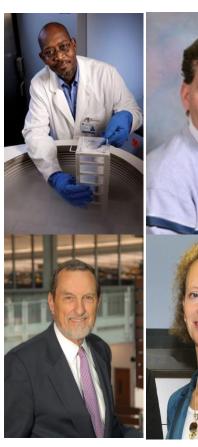
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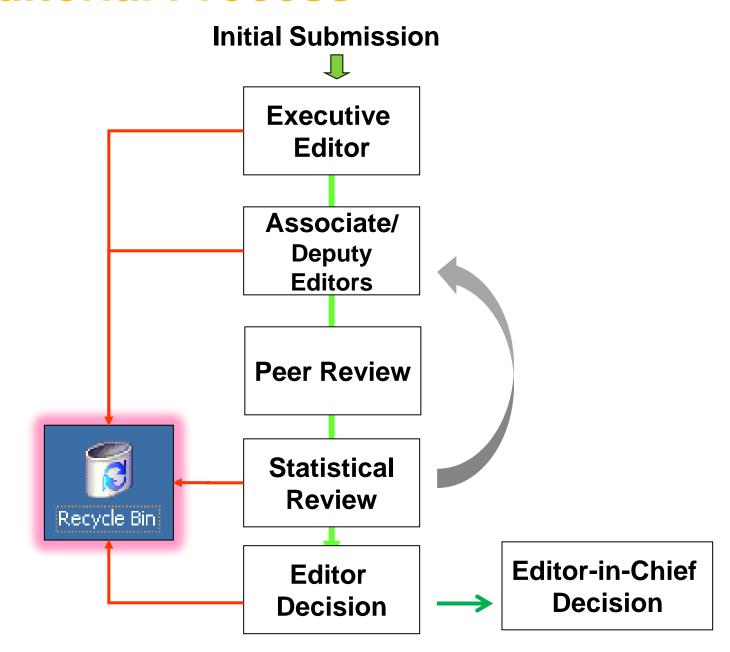
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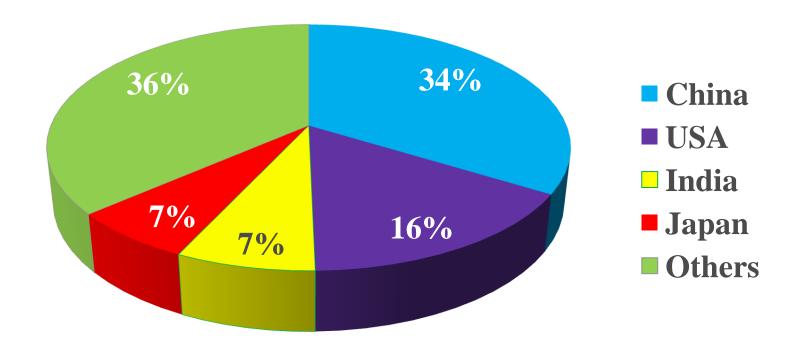


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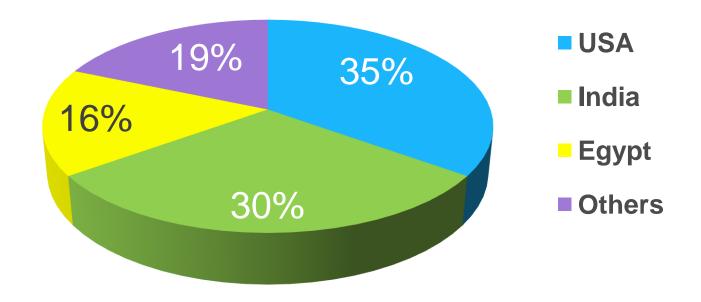
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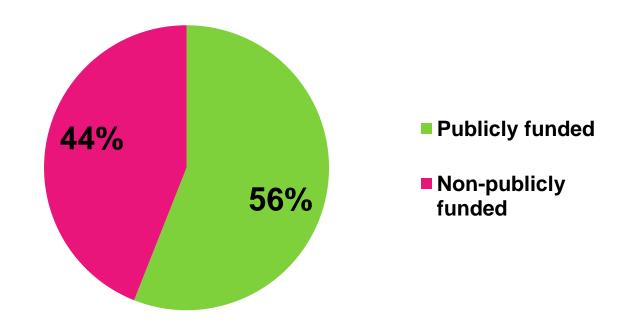
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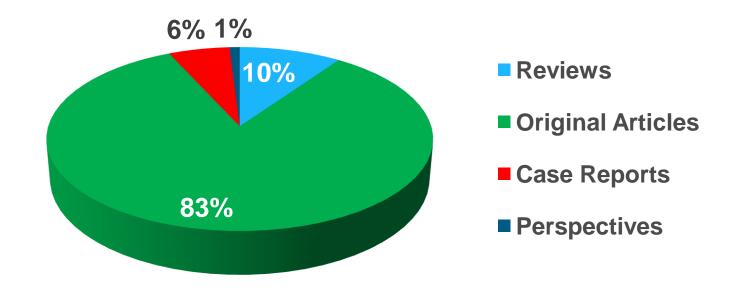
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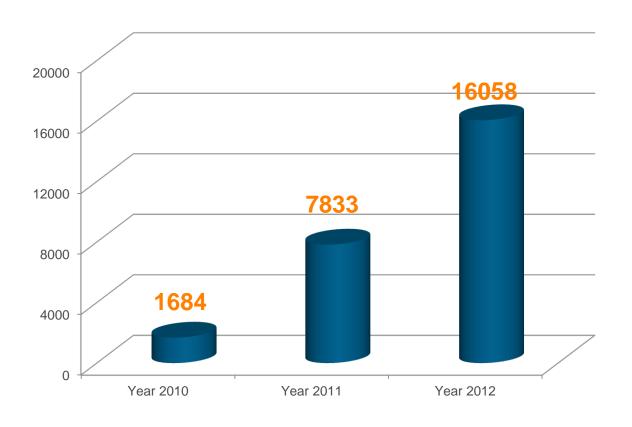
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Journal of Biomedical Research, 2010, 24(2):100-106

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Research Paper

A 5´-flanking region polymorphism in toll-like receptor 4 is associated with gastric cancer in a Chinese population **

Hua Huang^{a^}, Juan Wu^{a^}, Guangfu Jin^a, Hanze Zhang^a, Yanbing Ding^b, Zhaolai Hua^c, Yan Zhou^d, Yan Xue^b, Yan Lu^a, Zhibin Hu^a, Yaochu Xu^a, Hongbing Shen^{a*}



Cancer free controls Gastric cancer patients (n=1100)(n=1053)Genotyping TLR4 5' flanking region rs10759932 T > C



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Journal of Biomedical Research, 2011, 25(6):373-384

Review



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Role of remote sensing, geographic bioinformatics system and bioinformatics in kala-azar epidemiology

Gouri Sankar Bhunia[^], Manas Ranjan Dikhit[^], Shreekant Kesari^{*}, Ganesh Chandra Sahoo^{*}, Pradeep Das



Journal Impact



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April 2, 2013

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2.	Journal of Genetics and Genomics	1673-8527	20.26
3.	International Journal of Oral Science	1674-2818	15.76
4.	Acta Mechanica Sinica	0567-7718	13.19

74.	Acta Academiae Medicinae Sinicae	1000-503X	5.71
75.	Journal of Biomedical Research	1674-8301	5.61
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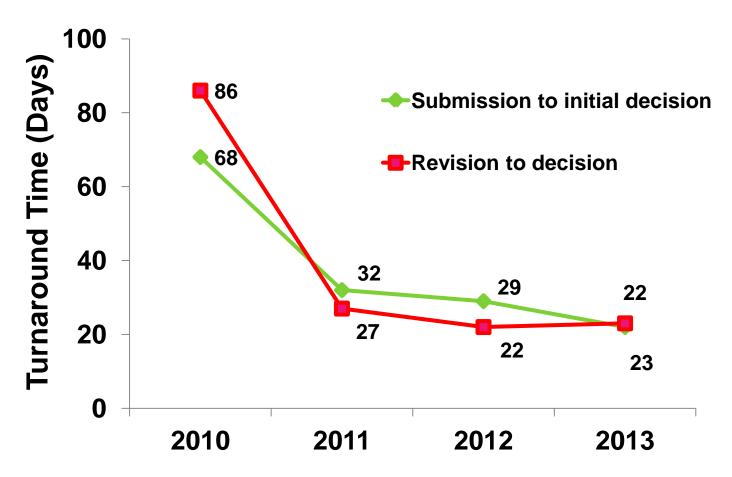
To shorten the wait time between acceptance and publication, the Journal launched early online publications in May 2012.

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- Expression of cytochrome P450 2A13 in human non-small cell lung cancer and its clinical significance
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Journal of Biomedical Research, 2011, 25(2):111-119

Research Paper



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A functional type I interferon pathway drives resistance to cornea herpes simplex virus type 1 infection by recruitment of leukocytes *

Christopher D. Conrady^a, Heather Jones^a, Min Zheng^b, Daniel J.J. Carr^{a,b*}

Departments of Microbiology, Immunology, and Departments of Oklahoma Health Science Center, Oklahoma City, OK 73104, USA

Received 21 December 2010, Accepted 19 March 2011



Abstract

Type I interferons are critical antiviral cytokines produced following herpes simplex virus type-1 (HSV-1) infection that act to inhibit viral spread. In the present study, we identify HSV-infected and adjacent uninfected corneal epithelial cells as the source of interferon-α. We also report mice deficient in the A1 chain of the type I IFN receptor (CD118^{-/-}) are extremely sensitive to ocular infection with low doses (100 PFU) of HSV-1 as seen by significantly elevated viral titers in the cornea compared to wild type (WT) controls. The enhanced susceptibility correlated with a loss of CD4⁺ and CD8⁺ T cell recruitment and aberrant chemokine production in the cornea despite mounting an adaptive immune response in the draining mandibular lymph node of CD118^{-/-} mice. Taken together, these results highlight the importance of IFN production in both the innate immune response as well as eliciting chemokine production required to facilitate adaptive immune cell trafficking.

Keywords: herpes simplex virus type 1, type I interferon, cornea, viral infection, leukocytes, ocular immunology



INTRODUCTION

Herpes simplex virus type 1 (HSV-1) is a highly successful double-stranded DNA virus of which 60%-90% of the adult human population is seropositive^[1]. During an acute infection, the lytic nature of the virus is driven by a sequential cascade of genes (referred to as lytic genes) expressed collectively over the course

The authors reported no conflict of interests.



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JBR

The Journal of Biomedical Research, 2013, 27(1): 14-22

Research Paper

Maternal risk factors for low birth weight for term births in a developed region in China: a hospital-based study of 55,633 pregnancies

Yihua Bian^{a, b, △}, Zhan Zhang^{a, △}, Qiao Liu^a, Di Wu^a, Shoulin Wang^{a, △}

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Journal of Biomedical Research, 2012, 26(4): 235-240

Research Paper

doi:10.7555/JBR.26.20120037

Risk factors and long-term health consequences of macrosomia: a prospective study in Jiangsu Province, China

Shouyong Gu^a, Xiaofei An^b, Liang Fang^a, Xiaomin Zhang^c, Chunyan Zhang^c, Jingling Wang^c, Qilan Liu^d, Yanfang Zhang^a, Yongyue Wei^a, Zhibin Hu^a, Feng Chen^a, Hongbing Shen^{a,*}

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Invited Review

Lipoprotein metabolism in nonalcoholic fatty liver disease

Zhenghui Gordon Jiang^a, Simon C. Robson^b, Zemin Yao^{c, ™}

*Department of Medicine, Beth Israel Deaconess Medical Center/Harvard Medical School, Boston, MA, USA;
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Received 10 July 2012, Revised 23 August 2012, Accepted 29 August 2012, Epub 01 December 2012

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JBR

Journal of Biomedical Research, 2010, 24(1):16–25

Review

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A review of adjuvants for *Leishmania* vaccine candidates

Joshua M. Mutiso^{a*}, John C. Macharia^a, Michael M. Gicheru^b

^aDepartment of Tropical and Infectious Diseases, Institute of Primate Research, National Museums of Kenya, P.O. Box 24481-00502, Karen, Nairobi, Kenya

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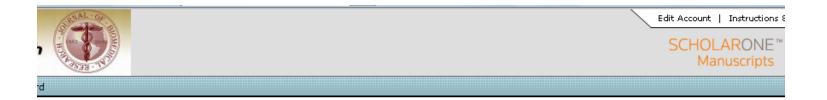
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Development of *Leishmania* vaccines: predicting the future from past and present experience

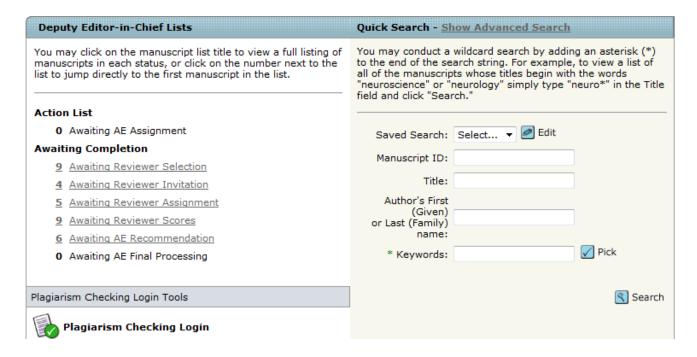
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^aDepartment of Tropical and Infectious Diseases, Institute of Primate Research, Karen, Nairobi 24481-00502, Kenya; ^bDepartment of Zoological Sciences, Kenyatta University, Nairobi 43844-00100, Kenya. Received 17 June 2012, Revised 14 July 2012, Accepted 12 August 2012, Epub 30 September 2012

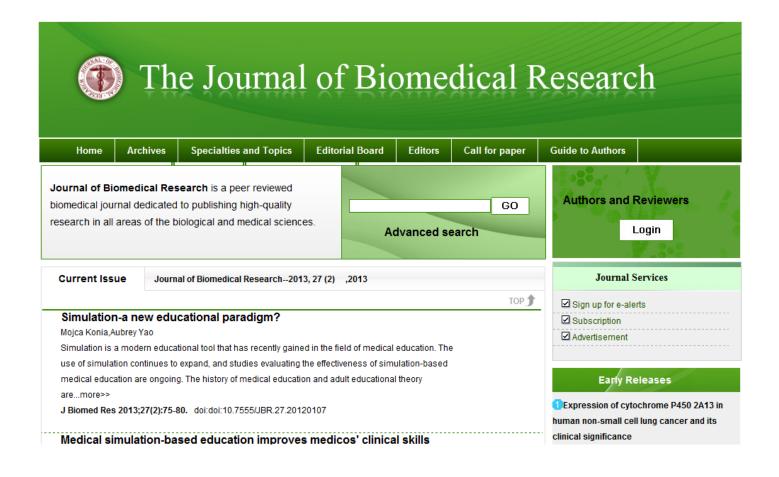
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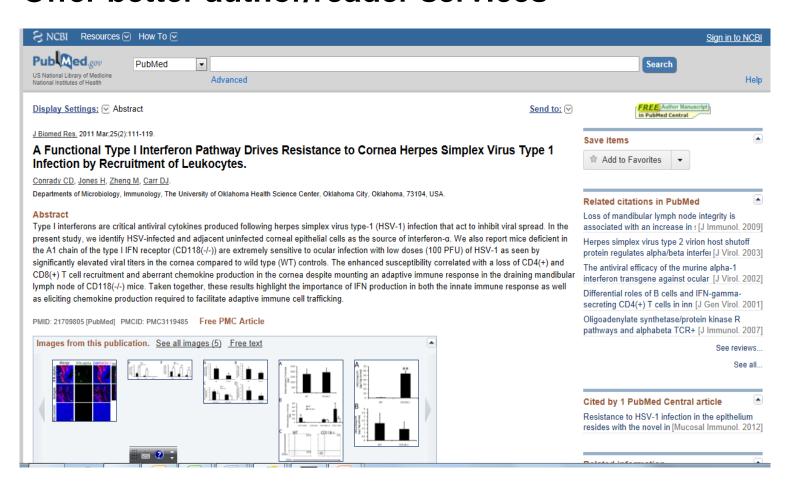
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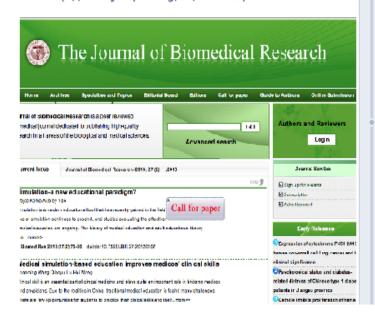
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Figure 1.4. Top 20 publishing cities 2004–2008, and their growth since 1996–2000.126



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