

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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"A university is just a group of buildings gathered around a library."

— Gail Carson Levine

About Monday Morning

Monday morning is a weekly E- CAS (Electronic Current Awareness Service) of RMRC Library, Bhubaneswar which carries one Biomedical & health science news item and some useful current medical research links so that the scientists can access the articles. This E- Bulletin starts its journey from 21st Nov. 2016. In this maiden attempt we cordially invite your inputs and suggestions to improve in future.

Dr. Banamber Sahoo, Lib & Inf. Officer
Poonam Singh Deo & Ashutosh Patra (Lib. Trainee)



Malaria drug found effective

TRIAL SUCCESS

With the parasite responsible for most malaria cases — *Plasmodium falciparum* — developing resistance to widely-used treatments, researchers have developed a new drug to fight the mosquito-born disease. Results of a clinical trial published in *Lancet Infectious Diseases* have shown the drug to be effective against non-severe cases of malaria.

The drug, called AQ-13, was able to clear the parasite responsible for the disease within a week, matching the effectiveness of the most widely-used treatment regimen. "The clinical trial results are extraordinarily encouraging," said the study's senior author Donald Krogstad, Professor at Tulane University in New Orleans, Louisiana.

1. Carbohydrates may be the key to a better malaria vaccine

An international research team has shown for the first time that carbohydrates on the surface of malaria parasites play a critical role in malaria's ability to infect mosquito and human hosts. The discovery also suggests steps that may improve the only malaria vaccine approved to protect people against *Plasmodium falciparum* malaria. For more details click on the below link

https://www.eurekalert.org/pub_releases/2017-09/waeh-cmb091317.php

2. Ornamental plant extract may help combat asthma

The compound in the coralberry leaves relieves these spasms and is supposedly more effective and has a more prolonged action than the most common asthma drug salbutamol. So far it has been tested on asthmatic mice who were prevented from allergens like house dust. For more details click on the below link

<http://indianexpress.com/article/lifestyle/health/ornamental-plant-extract-may-help-combat-asthma/>

3. Reprogrammed skin cells shrink brain tumors in mice

Imagine cells that can move through your brain, hunting down cancer and destroying it before they themselves disappear without a trace. Scientists have just achieved that in mice, creating personalized tumor-homing cells from adult skin cells that can shrink brain tumors to 2% to 5% of their original size. For more details click on the below link

<http://www.sciencemag.org/news/2017/02/reprogrammed-skin-cells-shrink-brain-tumors-mice>

4. Scientists design method for predicting behavioral response to stimulus using neuronal oscillations

Neuroscientists from Higher School of Economics and Charité University Clinic in Berlin have come up with a new multivariate method for predicting behavioral response to a stimulus using information about the phase of preceding neuronal oscillations recorded with EEG. For more details click on the below link

<https://www.news-medical.net/news/20170918/Scientists-design-method-for-predicting-behavioral-response-to-stimulus-using-neuronal-oscillations.aspx>



E- CAS (Current Awareness Service)

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