

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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A LIBRARY IS THE DELIVERY ROOM FOR THE BIRTH OF IDEAS, A PLACE WHERE HISTORY COMES TO LIFE.

-NORMAN COUSINS

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
Satyajit Nayak & Twinkle Rout (Lib. Trainee)

FACT OF
THE
MATTER

How cobras got flesh-destroying venom decoded

SNAKE BYTES

Cobras — one of the world's most feared snakes — developed its potent flesh-destroying venom along with ornately-marked broad hoods to warn off potential predators, a new study has found. "How the cobra's unique defensive venom evolved has remained a mystery until now," said Bryan Fry, associate professor at University of Queensland in Australia. The team studied 29 cobra species and related snakes, finding that the venom first evolved alongside the broad hoods that make cobras so distinctive. Further increases in the potency of toxins occurred parallel to their warning strategies.



<http://epaper.newindianexpress.com/c/17599121>

Biological version of malware reverses antibiotic resistance in TB.

As the mycobacterium that causes tuberculosis has frighteningly become resistant to one drug after another, scientists for years have searched for new compounds that will stop the pathogen before it kills. Now, in a novel twist, researchers have found a way to recruit help from none other than *Mycobacterium tuberculosis* itself to make the deadly pathogen susceptible to an existing tuberculosis (TB) drug that it has learned to dodge. For more details click on the below link.

<http://www.sciencemag.org/news/2017/03/biological-version-malware-reverses-antibiotic-resistance-tb>

Hidden HIV reservoirs exposed by telltale protein.

Current HIV drug therapies target human cells actively producing virus particles (pictured): they can't effectively deal with dormant infected cells. For more details click on the below link.

<http://www.nature.com/news/hidden-hiv-reservoirs-exposed-by-telltale-protein-1.21639>

Untreated sleep apnea in children can harm brain cells tied to cognition and mood.

A study comparing children between 7 and 11 years of age who have moderate or severe obstructive sleep apnea to children the same age who slept normally, found significant reductions of gray matter - brain cells involved in movement, memory, emotions, speech, perception, decision making and self-control - in several regions of the brains of children with sleep apnea. For more details click on the below link.

https://www.eurekalert.org/pub_releases/2017-03/uocm-usa031517.php

WHO Weekly epidemiological record.

Recommended composition of influenza virus vaccines for use in the 2017–2018 northern hemisphere influenza season. For more details click on the below link.

<http://apps.who.int/iris/bitstream/10665/254756/1/WER9211.pdf?ua=1>



E- CAS (Current Awareness Service)

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