



# ICMR-Regional Medical Research Centre, Bhubaneswar Library & Information Division

(Laxmi Narayan Memorial Library)

## Weekly Current Awareness Service

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*"The roots of education are bitter, but the fruit is sweet."*

*- Aristotle*

### 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 21<sup>st</sup> Nov. 2016. In this maiden attempt we cordially invite your inputs and suggestions to improve in future.

**Dr. Banamber Sahoo**, Lib & Inf. Officer  
Adyasa Bhoi & Suryajit Samal (Lib. Trainee)

### *Genetically engineered mosquitoes halt Dengue spread*



This is the first time ever that all types of the virus have been targeted by the engineering of the mosquito DNA.

<https://www.news-medical.net/news/20200116/Genetically-engineered-mosquitoes-halt-Dengue->

## 1. World's First 'Living Machine' Created Using Frog Cells and Artificial Intelligence

What happens when you take cells from frog embryos and grow them into new organisms that were "evolved" by algorithms? You get something that researchers are calling the world's first "living machine. For more details, click on the below link.

<https://www.livescience.com/frogbots-living-robots.html>

## 2. Discovery of mechanism by which Zika virus enters brain cells

The Zika virus causes an infection that can seriously impair the development of the fetal brain. For more details, click on the below link.

<https://www.news-medical.net/news/20200116/Discovery-of-mechanism-by-which-Zika-virus-enters-brain-cells.aspx>

## 3. Blood vessels in women age quicker than men's

A new study shows that blood vessels, including large and small arteries, in women, age much faster in women than in men. This is the first time this finding has been reported. For more details, click on the below link.

<https://www.news-medical.net/news/20200115/Blood-vessels-in-women-age-quicker-than-mens.aspx>

## 4. Why we differ in our ability to fight off gut infections

The ability of the immune system to fight off bacterial, viral and other invading agents in the gut differs between individuals. For more details, click on the below link.

<https://www.nature.com/articles/d41586-019-03955-w>

## 5. New predictors for immunotherapy responses sharpen our view of the tumour microenvironment

Three studies reveal that the presence in tumors of two key immune components — B cells and tertiary lymphoid structures — is associated with favorable outcomes when individuals undergo immunotherapy. For more details, click on the below link.

<https://www.nature.com/articles/d41586-019-03943-0>

## 6. Scientists breach brain barriers to attack tumors.

The brain is equipped with barriers designed to keep out dangerous pathogens. Researchers have now found a novel way to circumvent the brain's natural defenses when they're counterproductive. For more details, click on the below link.

<https://www.sciencedaily.com/releases/2020/01/200115130442.htm>

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## E- CAS (Current Awareness Service)



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INDIAN COUNCIL OF  
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