



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

(Laxmi Narayan Memorial Library)

## Weekly Current Awareness Service

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*“ learning. If you do, you will never cease to grow.”*

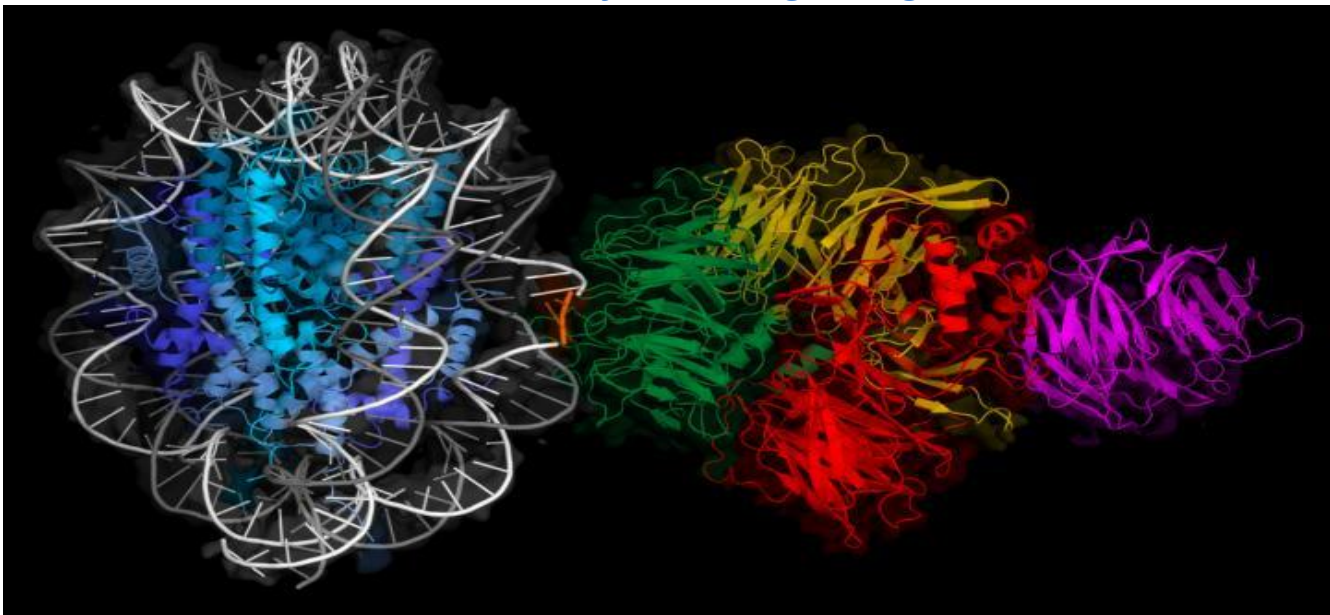
*-Anthony J. D'Angelo*

### 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  
Sonali Sribastab & Shaktidhar Barik (Lib. Trainee)

### *A new mechanism for accessing damaged DNA*



Cryo-EM map of a molecule of UV-DDB (right) binding to DNA wrapped around a histone (left).

<https://www.sciencenews.org/article/measles-immune-system-memory-infection>

## 1. Cancer: Proton therapy has fewer side effects than X-ray radiation

Accomplishing perhaps a world first, researchers at Columbia University and the Marine Biological Laboratory (MBL) have mapped the full-body muscular activity of an animal while it was moving and behaving. For more details, click on the below link

<https://www.medicalnewstoday.com/articles/325306.php>

## 2. World's Tiniest Baby Was the Size of an Apple. Here's How She Survived.

The baby girl was born in San Diego in December 2018 weighing a meager 8.6 ounces (245 grams), about the size of a large apple, according to a statement from Sharp Mary Birch Hospital for Women & Newborns, the hospital where she was born. She is the world's smallest surviving premature baby on record, the statement said. For more details, click on the below link

<https://www.livescience.com/65602-worlds-tiniest-baby-saybie.html>

## 3. Scientists bioengineer human liver disease in the lab to find new treatments

Scientists successfully bioengineered human liver organoids that faithfully mimic key features of fatal liver disease in the laboratory. This allowed them to uncover underlying disease biology in the organoids and test a potential therapy that in preclinical lab tests reversed an often-fatal childhood condition called Wolman disease. For more details, click on the below link

[https://www.eurekalert.org/pub\\_releases/2019-05/cchm-sbh052219.php](https://www.eurekalert.org/pub_releases/2019-05/cchm-sbh052219.php)

## 4. How to enhance or suppress memories

Inside our brains, a cashew-shaped structure called the hippocampus stores the sensory and emotional information that makes up memories, whether they be positive or negative ones. For more details, click on the below link

<https://www.sciencedaily.com/releases/2019/05/190523143040.htm>

## 5. A fungus weaponized with a spider toxin can kill malaria mosquitoes

A fungus engineered to produce a spider toxin could help take down insecticide-resistant mosquitoes that can spread malaria. In a netted, outdoor experiment in Burkina Faso, the genetically engineered fungus wiped out mosquito populations within two generations. For more details, click on the below link

<https://www.sciencenews.org/article/fungus-weaponized-spider-toxin-can-kill-malaria-mosquitoes?tgt=nr>

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## E- CAS (Current Awareness Service)



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