

**Monday Morning**

# **RMRC, Bhubaneswar**

## **(Laxmi Narayan Memorial Library)**

### **Weekly Current Awareness Service**

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*“ Education breeds confidence. Confidence breeds hope. Hope breeds peace.”*

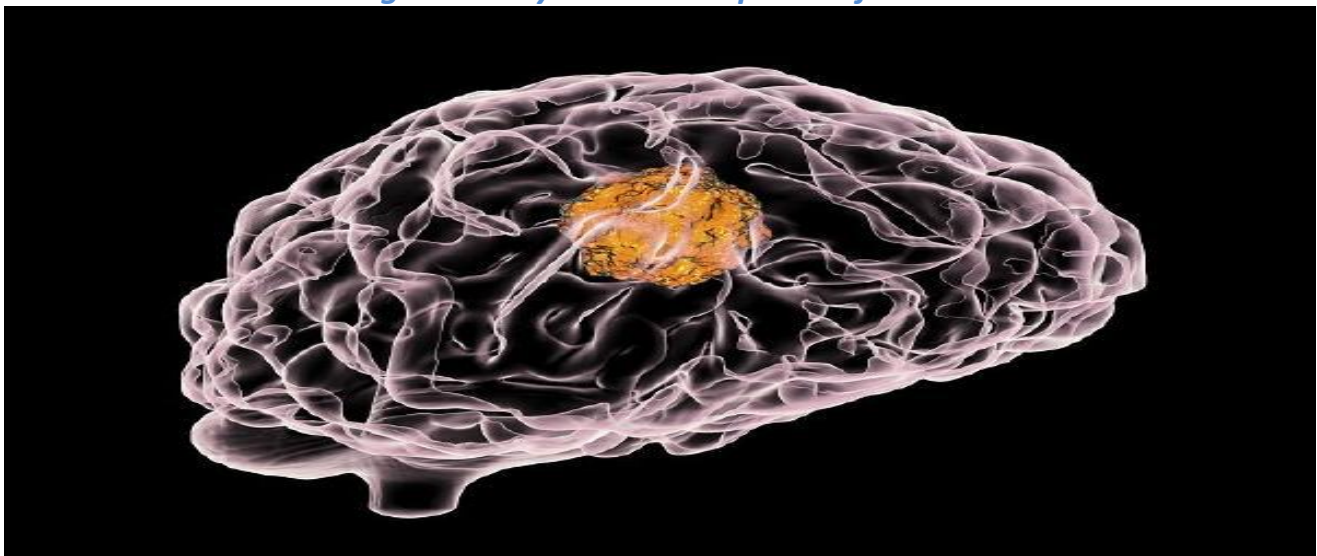
*- Confucius.*

#### **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)

#### *New drug discovery could halt spread of brain cancer*



Jennifer Munson, an assistant professor in the department of Biomedical Engineering and mechanics , is leading a research team that may have found a solution to stopping the spread of brain.

[https://www.eurekalert.org/pub\\_releases/2018-11/vt-ndd111618.php](https://www.eurekalert.org/pub_releases/2018-11/vt-ndd111618.php)

## **1. Gut bacteria may guard against diabetes that comes with aging**

The Losing one variety of gut bacteria may lead to type 2 diabetes as people age. Old mice have less Akkermansia muciniphila bacteria than young mice do, researchers report November 14 in Science Translational Medicine. That loss triggers inflammation, which eventually leads cells to ignore signals from the hormone insulin. For more details click on the below link

<https://www.sciencenews.org/article/gut-bacteria-may-guard-against-type-2-diabetes>

## **2. Reduced oxygen consumption by fat cells improves metabolic defects**

Low oxygen levels are a hallmark of expanding fat tissue in obesity, and can lead to type 2 diabetes. In addition to a lack of adequate blood supply, increased oxygen demand in fat cells now emerges as being key to this harmful state. For more details click on the below link

<https://www.nature.com/articles/d41586-018-07248-6>

## **3. Probiotics Can Also Help Increase Bone Density & Cut The Risk Of Osteoporosis**

While the bacteria in probiotics have earned their reputation of keeping your gut healthy over the years, they are now going to be lauded for strengthening your bones and keeping them healthy. For more details click on the below link

<https://www.indiatimes.com/health/buzz/do-you-know-that-probiotics-can-also-help-increase-bone-density-cut-the-risk-of-osteoporosis-356810.html>

## **4. Bacteria May Live (Harmlessly) in Your Brain**

In the latest example of bacteria being "literally everywhere," scientists appear to have found evidence of microbes living harmlessly in our brains. For more details click on the below link

<https://www.livescience.com/64098-bacteria-brain-microbiome.html>

## **5. Mutation that causes autism and intellectual disability makes brain less flexible**

About 1% of patients diagnosed with autism spectrum disorder and intellectual disability have a mutation in a gene called SETD5. Scientists have now discovered what happens on a molecular level when the gene is mutated in mice, and how this changes the mice's behavior. For more details click on the below link

[https://www.eurekalert.org/pub\\_releases/2018-11/iosa-mtc111518.php](https://www.eurekalert.org/pub_releases/2018-11/iosa-mtc111518.php)



## **E- CAS (Current Awareness Service)**

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