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INDIAN COUNCIL OF  
MEDICAL RESEARCH  
REGIONAL MEDICAL RESEARCH  
CENTRE, BHUBANESWAR

**Monday Morning**

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

**(Laxmi Narayan Memorial Library)**

## **Weekly Current Awareness Service**

**VOL 5#02**

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*"An investment in knowledge pays the best interest."*

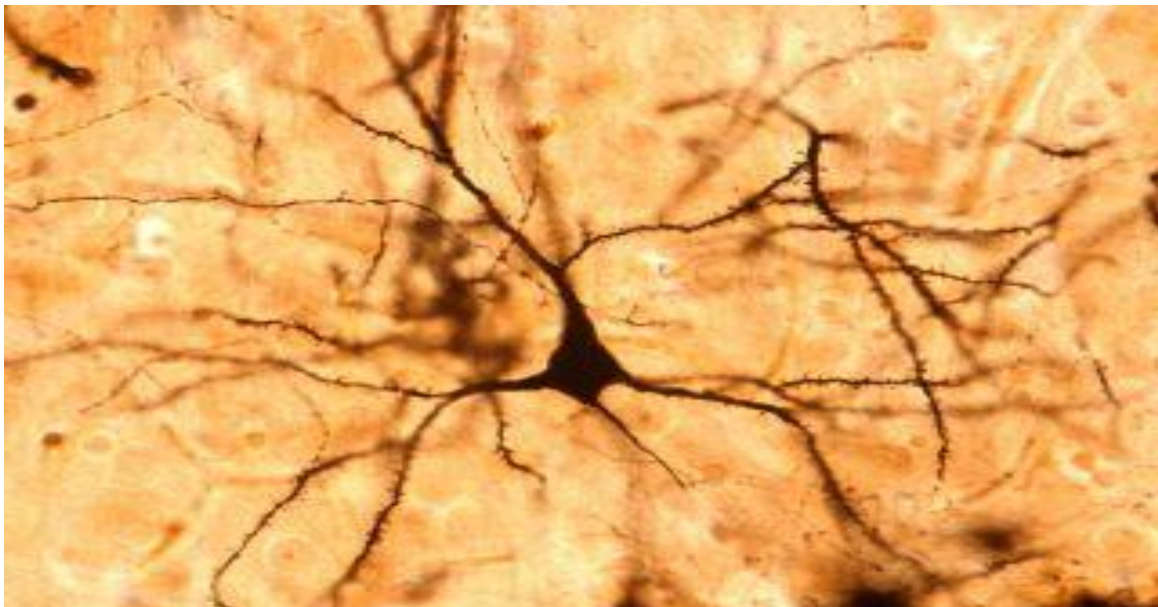
*- Benjamin Franklin*

### **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)**

***Unique Brain Signal Just Discovered. And It Might Make Us 'Human'***



**A new study suggests that human neurons may have more computing power than once**

<https://www.livescience.com/newfound-brain-signal-discovered-in-human-neurons.html>

## 1. Are your children sleeping enough? New blood test might hold the answer.

A simple blood test could provide a reliable metric to tell if children are sleeping enough - which is also a marker for general health as sleep affects susceptibility to many diseases - according to new research. For more details, click on the below link.

[https://www.eurekalert.org/pub\\_releases/2020-01/tps-ayc010720.php](https://www.eurekalert.org/pub_releases/2020-01/tps-ayc010720.php)

## 2. Does the air we breathe influence our schizophrenia risk?

The investigators' analysis indicated that individuals who had experienced exposure to high levels of air pollution growing up also had an increased risk of developing schizophrenia in adulthood. For more details, click on the below link.

<https://www.medicalnewstoday.com/articles/327438.php#1>

## 3. Developing Alzheimer's diseases could be due to disrupted sleep

As defined by the Alzheimer's Association, tau is the name of a protein that helps in stabilizing the internal structure of the brain's nerve cells. An abnormal build-up of tau protein in the body can end up in causing interior cells to fall apart and eventually developing Alzheimer's. For more details, click on the below link.

<https://health.economictimes.indiatimes.com/news/industry/developing-alzheimers-diseases-could-be-due-to-disrupted-sleep/73189736>

## 4. The quest to decipher how the body's cells sense touch

The discovery of Piezo2 and a related protein, Piezo1, was a high point in a decades-long search for the mechanisms that control the sense of touch. The Piezos are ion channels gates in the cell membrane that allow ions to pass through that are sensitive to tension. For more details, click on the below link.

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

## 5. Could pancreatitis be a stress hormone deficiency?

In work that could have clinical implications, UT Southwestern researchers find that humans and mice with pancreatitis are deficient in a stress hormone called FGF21. Normally, FGF21 is more abundant in the pancreas than in any other organ in the body. They also show that replacement therapy reverses the condition in mouse models in about 24 hours and may even prevent it. For more details, click on the below link.

<https://medicalxpress.com/news/2020-01-pancreatitis-stress-hormone-deficiency.html>

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## E- CAS (Current Awareness Service)



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