

Monday Morning

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)
Weekly Current Awareness Service

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“Curosity is the wick in the candle of learning .”

— William Arthur Ward

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
Poonam Singh Deo & Hemanti Mahali (Lib. Trainee)

Global Virome Project is hunting for more than 1 million unknown viruses



The search for microbes lurking in animal hosts aims to prevent the next human pandemic

<https://www.sciencenews.org/article/global-virome-project-unknown-virus-outbreak>

1. Cognitive Benefits of 'Young Blood' Linked to Brain Protein in Mice

Loss of an enzyme that modifies gene activity to promote brain regeneration may be partly responsible for age-related cognitive decline, according to new research in laboratory mice by UC San Francisco scientists, who also found that restoring the enzyme to youthful levels can improve memory in healthy adult mice. If the results translate to humans, the researchers say, it could lead to new therapies for maintaining healthy brain function into old age. For more details click on the below link

<https://www.ucsf.edu/news/2018/02/409856/cognitive-benefits-young-blood-linked-brain-protein-mice>

2. Mutation explains why some people are more vulnerable to viral brain infection

Rockefeller's Jean-Laurent Casanova has identified mutations in a single gene that may explain what goes wrong in cases of encephalitis of the brain stem, the part of the brain that controls many basic functions including heart rate and breathing. Shen-Ying Zhang evaluated seven children from unrelated families who had been exposed to a common virus (herpes simplex virus 1, influenza virus, or norovirus) and developed a life-threatening or lethal infection of the brain stem. For more details click on the below link

https://www.eurekalert.org/pub_releases/2018-02/ru-mew022218.php

3. Mini tumours grown in lab are breakthrough for medicine tests

The tests could tell doctors which treatment would be most effective, and avoid putting patients through unnecessary suffering. Scientists have successfully grown mini versions of patients' tumours in a lab - and then tested them against dozens of drugs to find the best possible treatment. For more details click on the below link

<https://news.sky.com/story/mini-tumours-grown-in-lab-are-breakthrough-for-medicine-tests-11262358>

4. hiPSC-derived neural stem cells from patients with schizophrenia induce an impaired angiogenesis

Schizophrenia is a neurodevelopmental disease characterized by cerebral connectivity impairment and loss of gray matter. It was described in adult schizophrenia patients (SZP) that concentration of VEGFA, a master angiogenic factor, is decreased. Recent evidence suggests cerebral hypoperfusion related to a dysfunctional Blood Brain Barrier (BBB) in SZP. For more details click on the below link

<https://www.nature.com/articles/s41398-018-0095-9>



E- CAS (Current Awareness Service)

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