

Monday Morning

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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"The first condition of education is being able to put someone to wholesome and meaningful work"

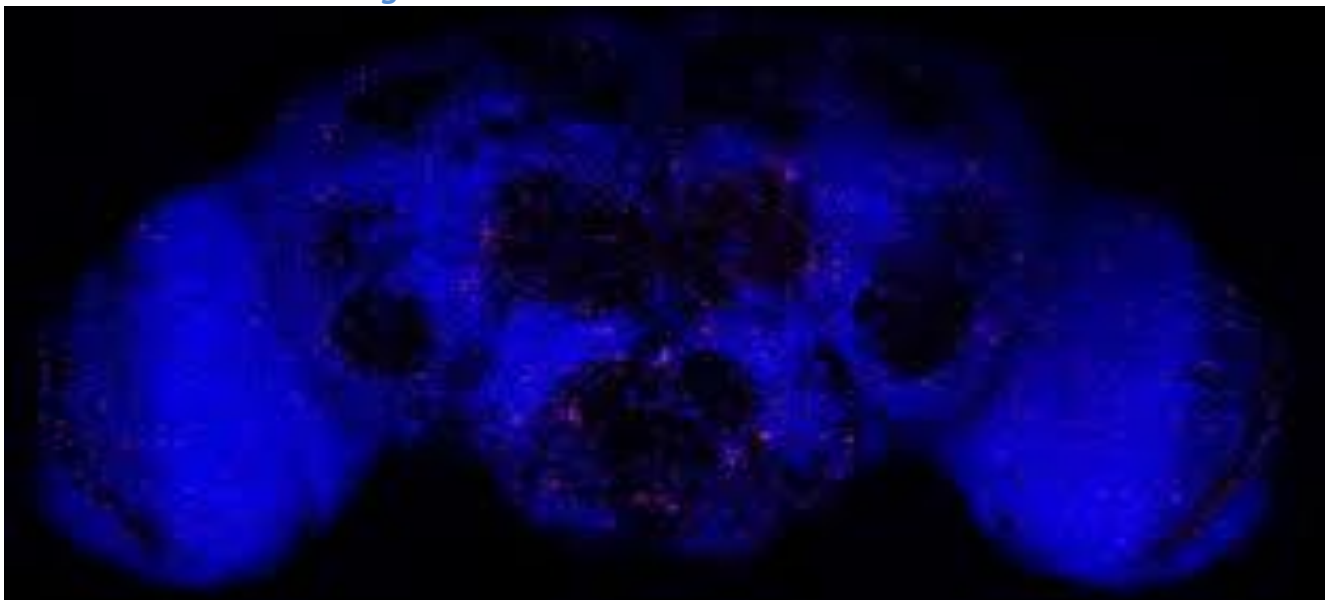
- *John Ruskin*

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
Sonali Sribastab & Shaktidhar Barik (Lib. Trainee)

Losing neurons can sometimes not be that bad



Neurons in Red are the unfit Neurons that will be killed for the better functioning of the whole Brain, marked in Blue.

https://www.eurekalert.org/pub_releases/2018-12/ccft-lnc122018.php

1. Human blood cells can be directly reprogrammed into neural stem cells

Scientists from the German Cancer Research Center (DKFZ) and the stem cell institute HI-STEM* in Heidelberg have succeeded for the first time in directly reprogramming human blood cells into a previously unknown type of neural stem cell. These induced stem cells are similar to those that occur during the early embryonic development of the central nervous system. For more details, click on the below link

<https://www.sciencedaily.com/releases/2018/12/181221123721.htm>

2. A molecular hammock for cotranslational modification

Proteins do most of the real work in cells and are modified in accordance with functional requirements. An LMU team has now shown how proteins are chemically altered on the ribosome, even before they fold into the active conformations. For more details, click on the below link

<https://phys.org/news/2018-12-molecular-hammock-cotranslational-modification.html>

3. For patients with kidney disease, genetic testing may soon be routine

A new study has found that genes cause about 1 in 10 cases of chronic kidney disease in adults, and identifying the responsible gene has a direct impact on treatment for most of these patients. For more details, click on the below link

https://www.eurekalert.org/pub_releases/2018-12/cuim-fpw122118.php

4. The sugar that makes up DNA could be made in space

For the first time, scientists have made 2-deoxyribose, the sugar that makes up the backbone of DNA, under cosmic conditions in the lab by blasting ice with radiation. The result, reported December 18 in Nature Communications, suggests that there are several ways for prebiotic chemistry to take place in space, and supports the idea that the stuff of life could have been delivered to Earth from elsewhere. For more details, click on the below link

<https://www.sciencenews.org/article/sugar-makes-dna-could-be-made-space?tgt=nr>

5. Excessive screen time can change the brain structure of kids.

The brain scan of children who used Smartphone, tablets, video games, laptops and any other digital device extensively looked different from those who used it less, according to a report by '60-minutes' via a study funded by the National Institute of Health (NIH). For more details, click on the below link

<https://www.indiatimes.com/health/buzz/excessive-screen-time-can-change-the-brain-structure-of-kids-358630.html>



E- CAS (Current Awareness Service)

Monday Morning team

Library & Information Division

ICMR-Regional Medical Research Centre

Bhubaneswar- 751023, ODISHA,

E- Mail: drbsahoo@gmail.com, Tel: 9438182087