

Monday Morning

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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“Curiosity is the wick in the Candle of Learning .”

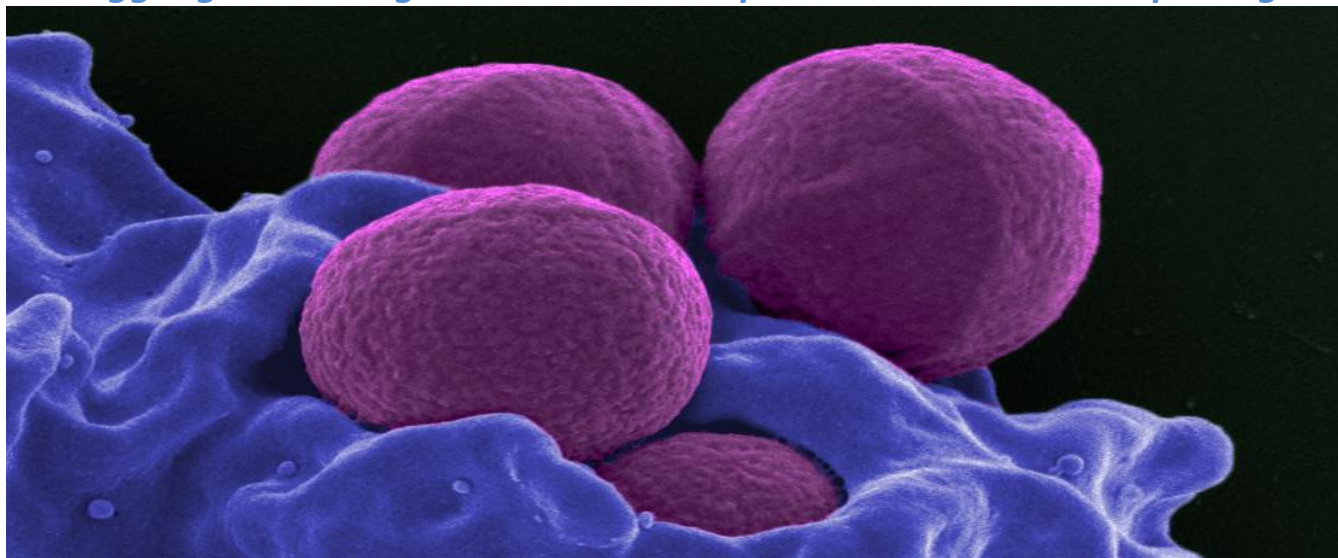
-William Arthur Ward

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
Sonali Sribastab & Shaktidhar Barik (Lib. Trainee)

Smuggling a CRISPR gene editor into staph bacteria can kill the pathogen



BATTLING A SUPERBUG A new approach to fighting antibiotic-resistance *Staphylococcus aureus* bacteria co-opts genes that normally make the bacteria more dangerous.

<https://www.sciencenews.org/article/smuggling-crispr-gene-editor-staph-bacteria-can-kill-pathogen?tgt=nr>

1. A novel molecule could spur new class of drugs for breast cancer

A new class of molecules that use a never-before-known mechanism that may halt or destroy breast cancer tumors, particularly for patients with drug-resistant or dangerously metastatic stages of the disease. The molecule, developed by Abhishek Sharma, a chemistry professor at Stevens, could potentially add to the arsenal of drugs actively being developed to degrade. For more details click on the below link

https://www.eurekalert.org/pub_releases/2018-10/siot-anm100318.php

2. Vaccine raises spectre of 'dead' polio strain's spread

Some batches of oral polio vaccine manufactured by Ghaziabad based Biomed have been found to be contaminated with polio type 2 Virus. While the contamination has the potential of bringing polio back to India, the health ministry and the drug regulator have initiated preventive measures to contain the impact. For more details click on the below link

<https://timesofindia.indiatimes.com/life-style/health-fitness/health-news/vaccine-raises-spectre-of-dead-polio-strains-spread/articleshow/66052419.cms>

3. The Flu (Influenza): Causes, Symptoms & Treatment

The flu (short for influenza) is a respiratory virus that affects the throat, nose, bronchi and, sometimes, the lungs. There are different types of influenza viruses and they evolve and change from year to year. Influenza can lead to health complications, visits to the hospital and even death. For more details click on the below link

<https://www.livescience.com/54509-flu-influenza.html>

4. Japan set to allow gene editing in human embryos .

Japan has issued draft guidelines that allow the use of gene-editing tools in human embryos. The proposal was released by an expert panel representing the country's health and science ministries on 28 September. Manipulating DNA in embryos could reveal insights into early human development. Researchers also hope that in the long term, these tools could be used to fix genetic mutations that cause diseases, before they are passed on. For more details click on the below link

<https://www.nature.com/articles/d41586-018-06847-7>

5. Artificial sweeteners have toxic effects on gut microbes

The collaborative study indicated relative toxicity of six artificial sweeteners (aspartame, sucralose, saccharine, neotame, advantame, and acesulfame potassium-k) and 10 sport supplements containing these artificial sweeteners. The bacteria found in the digestive system became toxic when exposed to concentrations of only one mg./ml. of the artificial sweeteners. For more details click on the below link

<https://www.sciencedaily.com/releases/2018/10/181001101932.htm>

E- CAS (Current Awareness Service)



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