

Monday Morning

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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“Try to learn something about everything & everything about something .”

– Thomas H.Huxley

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)

Human skin bacteria have cancer-fighting powers



SKIN WIN *Staphylococcus epidermidis*, a species of bacteria that lives on human skin, grows here in a dish. Strains of this bacteria make a cancer-fighting compound that stops DNA synthesis.

<https://www.sciencenews.org/article/human-skin-bacteria-have-cancer-fighting-powers>

1. Environment, Not Genetics, Primarily Shapes Microbiome Composition

Environment plays a much greater role than host genetics in determining the composition of the human gut microbiome, according to a study published today (February 28) in Nature. And including microbiome characteristics when predicting people's traits, such as cholesterol levels or obesity, makes those estimates more accurate than only personal history, such as diet, age, gender, and quality of life, the study finds. For more details click on the below link <https://www.the-scientist.com/?articles.view/articleNo/51949/title/Environment--Not-Genetics--Primarily-Shapes-Microbiome-Composition/>

2. A new way to make bacteria glow could simplify TB screening

A new molecule that reveals active tuberculosis bacteria in coughed-up mucus and saliva could simplify TB diagnoses and speed up tests for detecting strains of the disease that are resistant to drugs. This synthetic molecule is a modified version of a sugar that TB bacteria consume to help build their cell walls. For more details click on the below link <https://www.sciencenews.org/article/new-way-make-bacteria-glow-could-simplify-tb-screening?tgt=nr>

3. This Woman Is Her Own Twin: What Is Chimerism?

The Twins often feel like they have a special connection, but for one California woman, the connection is particularly visceral — she is her own twin. The woman, singer Taylor Muhl, has a condition called chimerism, meaning she has two sets of DNA, each with the genetic code to make a separate person. For more details click on the below link <https://www.livescience.com/61890-what-is-chimerism-fused-twin.html>

4. Scientists find single letter of genetic code that makes African Salmonella so dangerous

Scientists at the University of Liverpool have identified a single genetic change in Salmonella that is playing a key role in the devastating epidemic of bloodstream infections currently killing around 400,000 people each year in sub-Saharan Africa. Invasive non-typhoidal Salmonellosis (iNTS) occurs when Salmonella bacteria, which normally cause gastrointestinal illness, enter the bloodstream and spread through the human body. For more details click on the below link https://www.eurekalert.org/pub_releases/2018-02/uol-sfs022718.php



E- CAS (Current Awareness Service)

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