

RMRC, Bhubaneswar

(Laxmi Narayan Memorial Library)

Weekly Current Awareness Service

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BOOKS WERE MY WINDOW ON THE WORLD. GROWING UP AT THE ELEPHANT AND CASTLE, WHICH WAS VERY ROUGH, MY PARADISE WAS THE LIBRARY.

--MICHAEL CAINE

About Monday Morning:

Monday morning is a weekly E- CAS (Electronic Current Awareness Service) of RMRC Library, Bhubaneswar which carries one Biomedical & health science E 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
Satyajit Nayak & Twinkle Rout (Lib. Trainee)

Life expectancy may hit 90 years in S Korea by 2030

LONDON: Average life expectancy is set to increase in many countries by 2030 — and will exceed 90 years in South Korea, according to a new study published in the Lancet journal on Wednesday.

The study, led by scientists from Imperial College London (ICL) and World Health Organisation (WHO), analysed long-term data on mortality and longevity trends to predict how life expectancy will change in 35 industrialised countries by 2030.

Nations in the study included both high-income countries, such as the US, Canada, UK, Germany, Australia, and emerging economies such as Poland, Mexico and the Czech Republic.

The study showed all nations in the study can expect to see an increase in life expectancy by 2030. The results also



found that South Koreans may have the highest life expectancy in the world in 2030.

The team calculated life expectancy

at birth, and predicted a baby girl born in South Korea in 2030 will expect to live 90.8 years. Life expectancy at birth for South Korean men will be 84.1 years.

The researchers also calculated how long a 65-year-old person may expect to live in 2030. The results showed that the average 65-year-old woman in South Korea in 2030 may live an additional 27.5 years.

Scientists once thought an average life expectancy of over 90 was impossible, said Professor Majid Ezzati, lead researcher from the ICL. "We repeatedly hear that improvements in human longevity are about to come to an end. Many people used to believe that 90 years is the upper limit for life expectancy, but this research suggests we will break the 90-year-barrier," said Ezzati.

<http://epaper.newindianexpress.com/c/17074545>

1. AIDS vaccine may be ‘functional cure’ for some.

Seattle, Washington—Positive results from small clinical studies without control groups often get dismissed as anecdote, and for good reason: Many don’t pan out in more rigorous trials. But when a field suffers as much failure as the search for an AIDS vaccine has over the past 30 years, researchers sometimes celebrate glimpses of hope. For more details click on the below link.

<http://www.sciencemag.org/news/2017/02/aids-vaccine-may-be-functional-cure-some>

2. The race to map the human body — one cell at a time.

The first time molecular biologist Greg Hannon flew through a tumour, he was astonished — and inspired. Using a virtual-reality model, Hannon and his colleagues at the University Of Cambridge, UK, flew in and out of blood vessels, took stock of infiltrating immune cells and hatched an idea for an unprecedented tumour atlas. For more details click on the below link.

<http://www.nature.com/news/the-race-to-map-the-human-body-one-cell-at-a-time-1.21508>

3. New role of cholesterol in regulating brain proteins discovered.

A study led by researchers at the Hospital del Mar Medical Research Institute (IMIM) and the Institute of Medical Physics and Biophysics at the Faculty of Medicine in Charité Hospital, Berlin, published in the journal *Nature Communications*, demonstrates that the cholesterol present in cell membranes can interfere with the function of an important brain membrane protein, through a previously unknown mode of interaction. Specifically, cholesterol is capable of regulating the activity of the adenosine receptor, by invading it and accessing the active site. For more details click on the below link.

https://www.eurekalert.org/pub_releases/2017-02/idm-nro022217.php

4. WHO Weekly epidemiological record.

Human rabies: 2016 updates and call for data. For more details click on the below link.

<http://apps.who.int/iris/bitstream/10665/254622/2/WER9207.pdf?ua=1>



E- CAS (Current Awareness Service)

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