

Monday Morning

# RMRC, Bhubaneswar

## (Laxmi Narayan Memorial Library)

### Weekly Current Awareness Service

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*"In learning you will teach, and in teaching you will learn."*

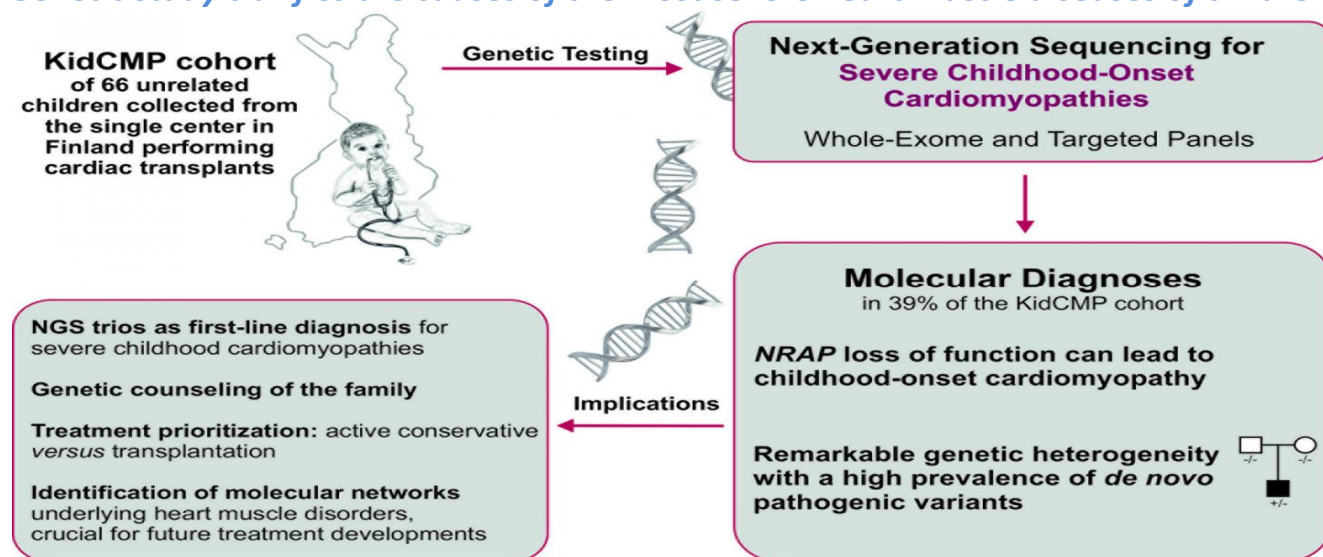
*- Phil Collins.*

#### 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 21<sup>st</sup> 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)

#### Genetic study clarifies the causes of the most severe heart muscle diseases of children



Researchers at the University of Helsinki and Helsinki University Hospital collected a KidCMP cohort of children with severe cardiomyopathies from the past 21 years, and analyzed them genetically.

[https://www.eurekalert.org/pub\\_releases/2018-11/uoh-gsc110718.php](https://www.eurekalert.org/pub_releases/2018-11/uoh-gsc110718.php)

## 1. Machine-learning algorithm predicts how cells repair broken DNA

The human genome has its own proofreaders and editors, and their handiwork is not as haphazard as once thought. When DNA's double helix is broken after damage from, say, exposure to X-rays, molecular machines perform a kind of genetic "auto-correction" to put the genome back together -- but those repairs are often imperfect. For more details click on the below link

[https://www.eurekalert.org/pub\\_releases/2018-11/biom-map110618.php](https://www.eurekalert.org/pub_releases/2018-11/biom-map110618.php)

## 2. 'Broken-Heart' Syndrome Is Real. This Complication Makes It Deadly.

People who experience a rare condition known as "broken-heart syndrome" need immediate medical attention, but often make a quick recovery. But the problem can be particularly deadly if these patients also develop a complication in which their heart can't pump enough blood to the body, a new study finds. For more details click on the below link

<https://www.livescience.com/64009-broken-heart-syndrome-cardiogenic-shock.html>

## 3. People Who Sleep For Six Hours Instead Of Eight Have A Higher Risk Of Enduring Dehydration

The study highlighted that those who do not feel well after a night of poor sleep are likely to feel dehydrated and may want to consider drinking more water. The findings, published in the journal Sleep, suggest that those who do not feel well after a night of poor sleep may want to consider not simply poor as a cause, and drink more water. For more details click on the below link

<https://www.indiatimes.com/health/buzz/people-who-sleep-for-six-hours-instead-of-eight-have-a-higher-risk-of-enduring-dehydration-356244.html>

## 4. Loneliness is bad for brains

After a month of being alone, the mice had smaller nerve cells in certain parts of the brain. Other brain changes followed, scientists reported at a news briefing November 4 at the annual meeting of the Society for Neuroscience. For more details click on the below link

<https://www.sciencenews.org/article/loneliness-isolation-brain-changes?tgt=nr>

## 5. The metabolite BH4 controls T cell proliferation in autoimmunity and cancer

Genetic regulators and environmental stimuli modulate T cell activation in autoimmunity and cancer. The enzyme co-factor tetrahydrobiopterin (BH4) is involved in the production of monoamine neurotransmitters, the generation of nitric oxide, and pain. Here we uncover a link between these processes, identifying a fundamental role for BH4 in T cell biology. For more details click on the below link

<https://www.nature.com/articles/s41586-018-0701-2>



## E- CAS (Current Awareness Service)

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