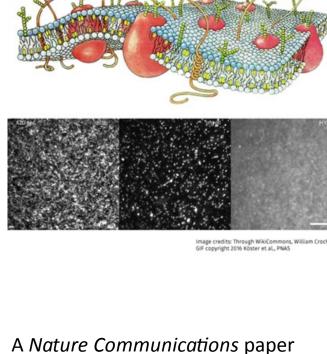


Research Highlights

Reconstructing the cell surface in a test tube



from Aswin Seshasayee's group at

genengnews.com.

A paper in PNAS based on their collaborative research describes the reconstruction of a cell surface model from constituent parts, namely, lipids and proteins. Press links: <u>EurekAlert!</u>, <u>The</u> Bangalore Mirror, Science Daily and

Satyajit Mayor's and Madan Rao's groups at NCBS demonstrate the

power of combining theoretical and

experimental approaches in science.

NCBS explores the physical 'shape' of DNA when the molecule of life is wound into complex structures called 'supercoils'. The work demonstrates the role of the environment in modifying supercoiling patterns of patterns. Press links: EurekAlert!, Science Daily.

<u>DNA in bacterial chromosomes</u> that are known to affect gene expression AGA-GAT-ATT-TTA-ATT-CAA-AGA-GAA-AAT-ATT-AAT-TGG-GAA CAT-<mark>AAT-CAT-TTT-GCT-GTG-AAA-CAT-AGT-CGT-T</mark>TA-TCA-CAT-AAA-ATT

AAA-TGG-TTC-CAA-TTA-CCT-TCT-TCT-CAA-AAT-TAT-TGG-GAT-AAT-AT

GAA-GAT-TGC-ATT-TAT-TAT-CCC-ATA-CTT-AAA-TCA-TTT-ATA-GCA-GA T-AAA-TAT-AAT-TCT-ATT-GTT-CCA-CAG-AGA-ATG-GT

VAA-TTA-GAA-ATT-TAT-AAA-AAA-GAT-AAA-ATA-AAA-T

Twists and Turns of Life In a recent paper in *Molecular Biology* and Evolution, Deepa Agashe's group

TTC-TAT-AAA-ATC-ATA-AGT-CAA-GAT-AAT-AAG Spelling mutations & evolutionary advantages In the Spotlight In conversation with Raghu Padinjat: Raghu Padinjat is a Doctor-turned-Researcher and Wellcome Trust-DBT

India Alliance Senior Research Fellow

information transfer mediated by lipid

at NCBS, whose group studies

path in this interview.

Satvaiit Mayor

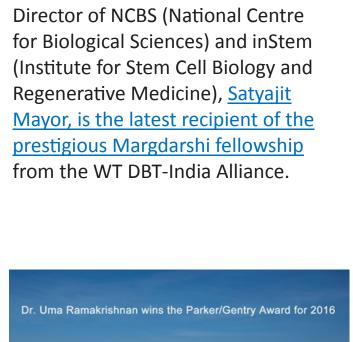
awarded the prestigious

Margdarshi fellowship

molecules. Read about his career

at NCBS demonstrate the importance of 'synonymous mutations' in evolution. Even though synonymous mutations create differently 'spelt' DNA codes specifying the same protein product, they can have major effects on the survival and evolution of living beings. Press links: EurekAlert!, Phys.org, Science Daily and scifeeds.com.

NCBS congratulates molecular ecologist Uma Ramakrishnan on winning the Parker/Gentry Award for 2016 for her work on Tiger genetics and conservation. She is the first Indian to receive this Award. Press Coverage: The Hindu, Mongabay.com, The News Minute.



NCBS welcomes new faculty member

member, Dimple Notani is a recipient

- Dimple Notani: NCBS new faculty

of a Wellcome Trust-DBT India

Alliance Intermediate Research

epigenetics.

Fellowship, and is an expert in the field of functional genomics and

In Conversation

with Raghu Padinjat

NCBS post-doctoral researcher Varad Giri has been presented with

the Sanctuary Asia Wildlife Service Award for his work on identifying,

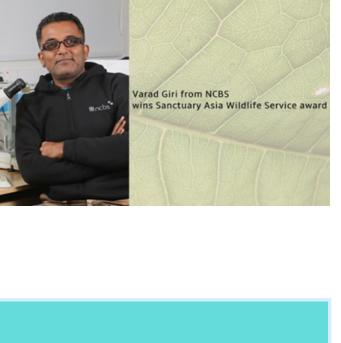
classifying, surveying and mapping

He currently works at the Collections

Indian reptiles and amphibians.

facility at NCBS.

NCBS welcomes new faculty member -**Dimple Notani**



Announcing the launch of a new initiative Accelerating the application of Stem Cell Technology in Human Disease' (ASHD) NCBS, inStem, NIMHANS, CMC Vellore come together to work on an innovative program to use stem cells in research, diagnostics and therapeutics. ASHD is being jointly supported by Department of Biotechnology (DBT), Government of India and the Pratiksha Trust, a charitable trust setup by Kris Gopalakrishnan, co-founder of Infosys ™ ncbs ■

The ASHD program is supported by

the Department of Biotechnology and

the Pratiksha Trust, a charitable Trust

co-founder of Infosys, and his family.

Press coverage: **Economic Times**,

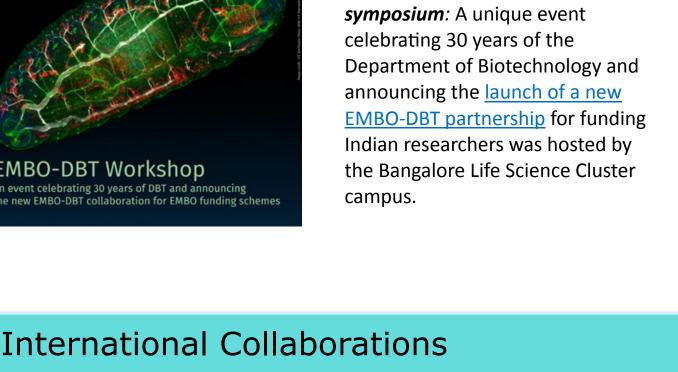
set up by Kris Gopalakrishnan,

ET Health World.

Funding News



EMBO-DBT Workshop An event celebrating 30 years of DBT and announcing the new EMBO-DBT collaboration for EMBO funding schemes



Kris Gopalakrishnan speaks at the ASHD launch event

India-EMBO partnership



NCBS, inStem and University of

Edinburgh renew MoU:



The 6th Annual Science Journalism workshop to be held at NCBS aims to

impart the basic journalism skills

to the lay person via the written

The 4th NCBS-Simons

15th to 24th June 2016

The deadline for submitting completed applications is midnight of 15th April 2016.

The NCBS Annual Talks:

photo-story.

The National Centre for Biological

Sciences held its much-awaited yearly

13th January this year. For more about

event, the Annual Talks from 11th to

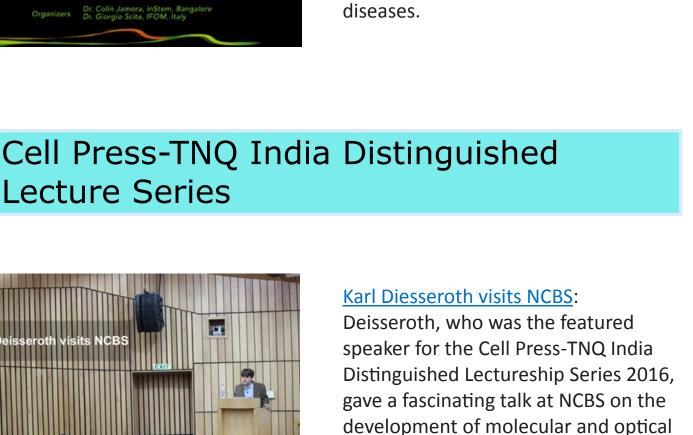
the talks, view this article and

Annual Monsoon School

word.

necessary for communicating science

Courses and Workshops



tools as drivers of new discoveries in

6" ANNUAL

WORKSHOP

Physics of Life 2016: the 4th NCBS-

Simons Annual Monsoon School aims

to introduce undergraduate students

from mathematics, physical sciences

and engineering backgrounds to

exciting problems in biology for

interdisciplinary research.

C tifr

Annual Talks 2016

Transitions in Biological Systems

Coming of Age:

SCIENCE JOURNALISM

June 13th - June 25th 2016, NCBS

for more information visit http://news.ncbs.res.in/

W ncbs

neuroscience.

The Conference on Inflammation and Tissue Homeostasis, jointly

organised by **IFOM** and **inStem**,

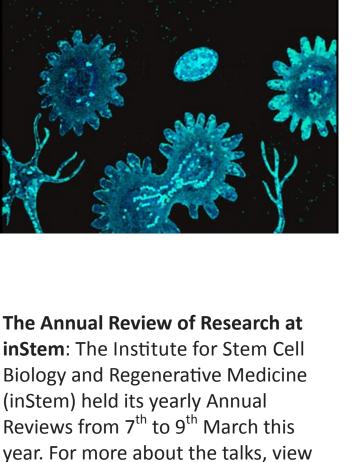
science and clinical settings for

was an international meeting aimed

at advancing our understanding of biology at the intersection of basic

Annual Talks

Annual Review of Research March 7th-9th 2016 Remembering Obaid Siddiqi



this article and photo-story.

and the institution builder.

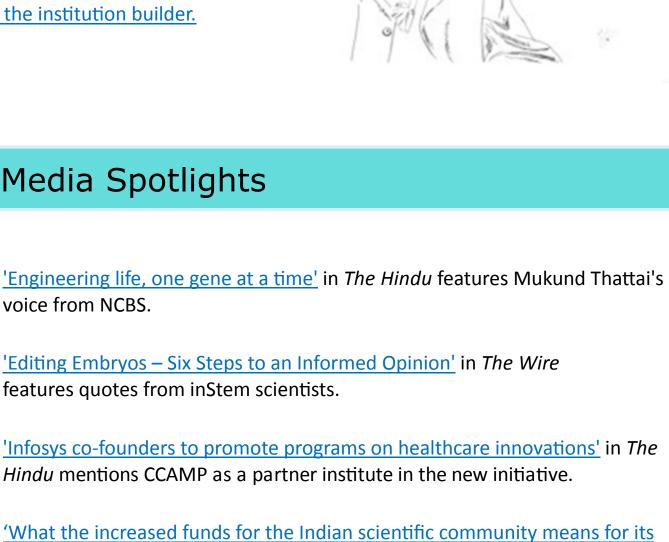
Media Spotlights

The campus recently hosted an event to remember Obaid Siddiqi, to whose

vision and perseverance NCBS owes its existence. Obaid Siddiqi - Sharing stories about the person, the scientist

25 years of NCBS:

voice from NCBS. <u>'Editing Embryos – Six Steps to an Informed Opinion'</u> in *The Wire* features quotes from inStem scientists.



future' in the Economic Times features Prof. K VijayRaghavan's and Prof.

Satyajit Mayor's voices.

- What do antibiotic resistance and a broken marriage have in common? NCBS, Jagriti Theatre and Theatrescience team up to present the play 'The Vaidya's Oath' - Scroll.in
- The Bangalore Life Science Cluster consists of the National Centre for Biological

Sciences (NCBS), the Institute for Stem Cell Biology and Regenerative Medicine

(inStem) and the Centre for Cellular and Molecular Platforms (C-CAMP). Each of

these institutions has its own scientific mandate, though all three share a

inStem on Facebook

C-CAMP on Facebook

inStem on Twitter

C-CAMP on Twitter

- For any comments, suggestions or queries, please write to Savita Ayyar: comms@ncbs.res.in
- common campus space that promotes synergistic associations between them.

NCBS website

inStem website

C-CAMP website

NCBS on Twitter NCBS on Facebook