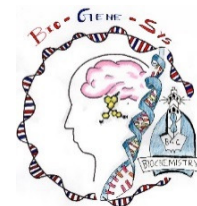




DEPARTMENT OF BIOCHEMISTRY AND  
MOLECULAR BIOLOGY  
PONDICHERRY UNIVERSITY

Presents

**Bio- Gene- Sys 2018**



Wellcome Trust/DBT India Alliance  
SciComm & Career workshop@ Pondicherry University  
DST- SERB sponsored

**National Symposium on Trends in Biochemistry in Post- Genomic Era**  
In Conjunction with National Science Day

During

**February 27-28, 2018**

At

**Convention Centre, Pondicherry University, Pondicherry – 605014**

**Scientific Program**

**Bio- Gene- Sys 2018**, February 27-28, 2018.

**9:30AM – 10:00AM - Spot Registration for attendance \*\***

**10:00AM–11:00AM**

**Inauguration Session for**

***Bio- Gene- Sys 2018* ,**

**Wellcome Trust/DBT India Alliance SciComm & Career workshop@  
Pondicherry University**

**&**

**DST-SERB National Symposium on Trends in Biochemistry in Post-  
Genomic Era**

**Inaugural Address by -**

**Prof. Avadhesh Surolia**, Ph.D., D.Sc, D.M. (Hc., QUB-UK)

**Bhatnagar Fellow, Council of Scientific & Industrial Research (CSIR),**

**Honorary Professor, Molecular Biophysics Unit**

**Indian Institute of Science, Bangalore.**

**11:00AM – 11:15AM - Tea Break**

**Day – 1 - 27<sup>th</sup> February 2018, - Bio- Gene- Sys 2018 - Auditorium**

**Session – I - 11:15AM–12:45 PM**

**Lecture Series – Science behind Nobel Prizes 2017**

**11:15AM–12:05PM**

**Invited Talk:**

***Cryo-electron Microscopy.***

**Dr. Vinothkumar Kutti Raganath**

**Electron Cryo-microscopy Lab, NCBS, Bangalore**

**12:05PM–12:45AM**

**Invited Talk:**

***Gravitational Waves and LIGO Detectors.***

**Dr. S.V.M. Satyanarayana**

	<b>Department of Physics, Pondicherry University</b>
<b>Session – II – 12-45PM – 5:30 PM</b>	
<b>Competitive Session for UG, PG &amp; Research Scholars</b>	
<b>12:45 PM-1:30PM</b>	<b>Presentation of Scientific Concepts by Master’s Students</b> <b>Competitive Section*</b> (5 minutes/student) <b>UG &amp; PG Students’ Participation by Registration</b>
<b>1:30 PM–2:30 PM</b>	<b>Lunch &amp; Poster Session - <u>Competitive Section*</u></b> <b>For Research Scholars participation by registration</b>
<b>2:30 PM–3:30 PM</b>	<b>Oral Presentation</b> <b>Competitive Section*</b> (10 minutes/scholar) <b>For Research Scholars participation by registration</b>
<b>3:30 PM–3:45 PM - Tea Break</b>	
<b>3:45 PM–5:30 PM</b>	<b>Science Quiz <u>Competitive Section*</u></b> <b>For Graduate Students’ participation by registration</b>
<b>PARALLEL SESSION -</b>	
<b>Day – 1 - 27<sup>th</sup> February 2018, 9:30AM–5:30 PM – Seminar Hall -1</b>	
<b>Wellcome Trust/DBT India Alliance SciComm &amp; Career workshop @ Pondicherry University</b>	
<b>Brief Description of Sessions:</b>	<b>Speakers:</b>
<b>Session 1: Scientific Writing</b> (Moderated by WT/DBT India Alliance)	<b>Dr. Dipwanwita Sengupta</b> Grants Adviser Wellcome Trust/DBT India Alliance
<ul style="list-style-type: none"> <li>• Presentation Skills</li> <li>• Manuscript Writing</li> <li>• Grant Writing</li> </ul>	<b>Dr. Ranjana Sharma</b> Grants Adviser Wellcome Trust/DBT India Alliance
<b>Session 2: Science Communication</b> (Moderated by Nature India)	<b>Ms. Subhra Priyadarshini</b> Chief Editor, Nature India
<ul style="list-style-type: none"> <li>• Science Journalism</li> <li>• Popular Science Writing</li> </ul>	
<b>Session 3: Careers in Science</b> (Moderated by Nature India & WT/DBT India Alliance)	
<b>Day – 2, 28<sup>th</sup> February, 2018</b>	
<b>National Symposium on Trends in Biochemistry in Post-Genomic Era</b>	
<b>9:30 AM–10:00AM - Spot Registration for attendance**</b>	
<b>9:45 AM–10:00 AM</b>	<b>Remembering the illustrious Life and Contributions of Sir C. V. Raman</b>
<b>10:00AM–10:40AM</b>	<b>Keynote Address:</b> <b>A T C G –every letter ACounTs G</b> <b>Dr. Ashwin Dalal, MD, DM</b> <b>Head, Diagnostics,</b> <b>CDFD</b>  <b>Session Chair:</b> <b>Prof. Avadhesh Surolia, Ph.D., D.Sc, D.M. (Hc., QUB-UK)</b> <b>Bhatnagar Fellow, Council of Scientific &amp; Industrial Research (CSIR),</b> <b>Honorary Professor, Molecular Biophysics Unit</b> <b>Indian Institute of Science, Bangalore.</b>
<b>10:40AM-11:00AM - Tea Break &amp; Interactions</b>	
<b>Session – I - 11:00 AM – 1:30 PM</b>	

*Theme: “Integrating Systemic Knowledge to Understand Pathophysiology”*

Session Chair:

**Prof. Namita Surolia**

Molecular Biology & Genetics Unit,  
JNCASR, Bangalore

**11:00AM–11:30AM**

*Invited Talk:*

*Lessons Learnt from Systems Approach to understand Malaria, the disease and strategies for its intervention.*

**Prof. Namita Surolia**

Molecular Biology & Genetics Unit,  
JNCASR, Bangalore

**11:30AM-12:05PM**

*Invited Talk:*

*Effect of peripheral inflammation on the transmigration of immune cells across the blood-brain barrier.*

**Dr. Girdhari Lal**

Systems Immunology  
NCCS, Pune

**12:05PM-12:30PM**

*Invited Talk:*

*Identification of novel genes for single gene disorders.*

**Dr. Ashwin Dalal**

Head, Diagnostics,  
CDFD, Hyderabad

**12:30PM–1:00PM**

*Invited Talk:*

*Regulation of cardio metabolic pathophysiology by human genetic variations in chromogranin A gene locus.*

**Prof. Nitish R. Mahapatra**

Dept. of Biotechnology, IIT- Madras, Chennai.

**1:00PM-1:30PM**

*Invited Talk:*

*Demystifying thalidomide mediated teratogenicity using big data.*

**Dr. Suvro Chatterjee**

UGC –FRP Associate Professor  
Department of Biotechnology,  
Anna University, Chennai.

**1:30 PM– 2:30PM - Lunch & Interactions**

**Session – II - 2:30PM – 5:00PM**

*Theme: “Brain: Genetic Diversity, Cellular Mechanisms and Behavior”*

Session Chair:

**Prof. Gaiti Hasan**

Neurobiology,  
NCBS, Bangalore.

**2:30PM–3:00PM**

*Invited Talk:*

*To fly or not to fly - decision making in a small brain.*

	<b>Prof. Gaiti Hasan</b> Neurobiology, NCBS, Bangalore.
<b>3:00PM–3:30PM</b>	<i>Invited Talk:</i> <i>From molecules to behaviour: Mechanistic insights from zebrafish models of human neurological conditions.</i> <b>Dr. Vatsala Thirumalai</b> Neurobiology, NCBS, Bangalore.
<b>3:30PM–4:00PM</b>	<i>Invited Talk:</i> <i>Nexus between immunity and psychiatry: genetic-inflammatory synthesis of schizophrenia.</i> <b>Dr. Monojit Debnath</b> Human Genetics, NIMHANS, Bangalore.
<b>4:00PM–4:30PM</b>	<i>Invited Talk:</i> <i>Making new neurons in the adult brain: Regulations and Responses.</i> <b>Dr. Hiyaa Ghosh</b> Neurobiology, NCBS, Bangalore.
<b>4:30PM–5:00PM</b>	<i>Invited Talk:</i> <i>Circadian clocks- time keepers for the biological world.</i> <b>Dr. Sheeba Vasu</b> Neuroscience Unit, JNCASR, Bangalore.
<b>5:00PM–5:15PM - Tea Break &amp; Interactions</b>	
<b>5:15PM–5:30PM</b>	<i>Valedictory Session - Distribution of Prizes</i>
<b>5:30PM–5:45PM</b>	<i>Concluding Session - Vote of Thanks</i>

For updates please visit the event website:

[www.pondiuni.edu.in/conferences/bcmb/biogenesys2018](http://www.pondiuni.edu.in/conferences/bcmb/biogenesys2018)

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