



# BANGALORE UNIVERSITY

Jnana Bharathi, Bengaluru - 560 056

**Golden Jubilee Celebrations (1964-2014)**

**BU GOLDEN JUBILEE LECTURE SERIES (BUGJLS)**

**APRIL 15-16, 2015**

**Theme : BIOLOGY IN THE GENOMICS ERA**

**VENUE:**

Jnana Jyothi Auditorium, Central College Campus,  
Bangalore University, Bengaluru-560 001



## PROGRAMME

*Organised by*

**CENTRE FOR APPLIED GENETICS, DEPARTMENT OF ZOOLOGY**

**BANGALORE UNIVERSITY, JNANA BHARATHI**

**BENGALURU-560056**

## CENTRAL COLLEGE, BANGALORE UNIVERSITY



*....it is an exciting time to be a researcher in Biology.*

*The cascading effect of sequencing human genome has propelled Biology towards a "Sequence first and everything else next" mode of research.*

*This lecture series attempts to capture the new and all pervasive AVATAR of Biology that rivals other disciplines in Physical Sciences.*

*Welcome to the glimpses of grandeur of Biology depicted by some of the most accomplished Scientists of our country.*



**UNIVERSITY LIBRARY**





Tel: +91 80 23213172, 22961001

Fax: + 91 80 23219295

e-mail: vc@bub.ernet.in

**Prof. B. THIMME GOWDA**

*Vice Chancellor*



**BANGALORE UNIVERSITY**

Jnana Bharathi, Bengaluru - 560056

9th April 2015

## *Message*

In connection with the BU Golden Jubilee Celebrations(1964-2014) various run up programmes have been planned to be organized. The University rightly feels that, organising thematic Lecture Series would be a fitting Academic Tribute to the Institution which has rendered yeomen service for the cause of higher education in the State and the Country.

Popularising fundamental sciences is a burning problem, on top of the Academic Agenda of the Nation. In this direction, the Centre for Applied Genetics, Department of Zoology, Bangalore University is organising 2-day BU Golden Jubilee Lecture Series on 15<sup>th</sup> and 16<sup>th</sup> April 2015 at Jnana Jyothi Auditorium, Central College Campus, Bangalore University, Bengaluru-560001. The proposed lecture series would not only enhance the visibility and academic image of the University by exposing the students and researchers alike to the enchanting world of 21<sup>st</sup> Century Biology and its exceptional academic and professional opportunities. The theme selected is a contemporary one "BIOLOGY IN THE GENOMICS ERA". Prof. G. Padmanaban, Former Director, Indian Institute of Science, Bengaluru has kindly agreed to deliver the keynote address followed by lectures from eminent educationists in the field of Biological Sciences.

The 2-Day Lecture Series would benefit students, research scholars and faculty of all the biology related departments in Bangalore University and its affiliated colleges. Hence, all the students, research scholars and faculty members of the departments concerned may utilise this opportunity and actively participate in the deliberations.

I congratulate Prof.M.S.Reddy, Convenor, BUGJLS, Coordinator and the faculty of Centre for Applied Genetics, Department of Zoology for taking interest in organising this lecture series.

I welcome one and all to actively participate in the lecture series and I wish the programme a grand success.

**(Prof. B. THIMME GOWDA)**





# BANGALORE UNIVERSITY

Jnana Bharathi, Bengaluru - 560 056

## Golden Jubilee Celebrations (1964-2014)

## BU GOLDEN JUBILEE LECTURE SERIES(BUGJLS)

APRIL 15-16, 2015

*Cordially invite you for the Inauguration of the BU Golden Jubilee Lecture Series on*

*15<sup>th</sup> April 2015 at 10.30 am at Jnana Jyothi Auditorium,*

*Bangalore University, Central College Campus, Bengaluru-560 001.*

*The theme is 'BIOLOGY IN THE GENOMICS ERA' organised by*

*Centre for Applied Genetics, Department of Zoology, BU.*

### **Prof. G. PADMANABAN**

Former Director, Indian Institute of Science, Bengaluru

**Will be the Chief Guest and deliver the keynote address on**

### **'SYNTHETIC BIOLOGY'**

### **Prof. H. A. RANGANATH**

Former Vice Chancellor, Bangalore University and  
Former Director, National Assessment and Accreditation Council, Bengaluru

**Will be the Guest of Honour**

### **Prof. B. THIMME GOWDA**

Vice Chancellor, Bangalore University

**Will Preside**

*All are Welcome*

**Dr. M. S. Reddy**

*Convenor (BUGJLS) and  
Professor and Coordinator*

Centre for Applied Genetics, BU

**Dr. M. Ramachandra Mohan**

*Professor and Chairman  
Dept. of Zoology, BU*

**Prof. K. K. Seethamma**

*Registrar  
Bangalore University*



# BANGALORE UNIVERSITY

Jnana Bharathi, Bengaluru - 560 056

## Golden Jubilee Celebrations (1964-2014)

### BU GOLDEN JUBILEE LECTURE SERIES(BUGJLS)

APRIL 15-16, 2015

## PROGRAMME

Day-1 (Wednesday, 15<sup>th</sup> April 2015)

Time	Lecture No.	Topic and Speaker
10.00-10.30	<b>Registration</b>	
10.30-11.00	<b>INAUGURAL SESSION</b>	
11.00-11.45	BUGJL-01	<i>Keynote address on the topic 'Synthetic Biology' by</i> <b>Prof. G. Padmanaban</b> <i>Former Director, Indian Institute of Science, Bengaluru-560012</i>
	<b>SESSION-2</b>	
	<i>Chairpersons:</i> <b>Dr. K. Manjunath</b> , <i>Professor and Chairman, Dept. of Microbiology/Biotechnology, BU</i> <b>Dr. M.V.V. Subramanyam</b> , <i>Professor, Dept. of Sericulture/Life Sciences, BU</i>	
11.45-12.30	BUGJL-02	<b>'Meiotic chromosome pairing and Recombination'</b> by <b>Prof. K. Muniyappa</b> <i>Department of Biochemistry, IISc., Bengaluru-560012</i>
12.30-01.15	BUGJL-03	<b>'Epigenome : in health and in sickness'</b> by <b>Prof. H. A. Ranganath</b> <i>Former Vice Chancellor, Bangalore University and Former Director, National Assessment and Accreditation Council, Bengaluru.</i>

Time	Lecture No.	Topic and Speaker
01.15-01.45	<b>Lunch Break</b>	
	<b>SESSION-3</b>	
	<i>Chairpersons:</i> <b>Dr. M. Ramachandra Mohan</b> , Professor and Chairman, Dept. of Zoology, BU <b>Dr. S.K. Sarangi</b> , Professor, Dept. of Microbiology/ Biotechnology, BU	
01.45-02.30	BUGJL-04	<b>'Cytogenetic and molecular cytogenetic investigations in patients with genetic disorders'</b> by <b>Dr. Jayaram S. Kadandle</b> <i>Professor and Head, Clinical and Molecular Cytogenetics, Centre for Human Genetics, Biotech Park, Electronic City, Bengaluru-560 100</i>
2.30-03.15	BUGJL-05	<b>'Whole genome sequencing-How much is the hype?'</b> by <b>Dr. Upendra Nongthomba</b> <i>Associate Professor, Dept. of Molecular Reproduction and Developmental Genetics, Indian Institute of Science, Bengaluru-560 012</i>
03.15-03.30	<b>Tea Break</b>	
	<b>SESSION-4</b>	
	<i>Chairpersons:</i> <b>Dr. D. Anusuya</b> , Professor and Chairperson, Dept. of Botany, BU <b>Dr. N. Nandini</b> , Professor and Chairperson, Dept. of Environmental Science, BU	
03.30-04.15	BUGJL-06	<b>'Metagenomics- A revolution in Biology'</b> by <b>Prof. V. Nagaraja</b> , Chairman, Dept. of Microbiology and Cell Biology, Indian Institute of Science, Bengaluru-560012
04.15-05.00	BUGJL-07	<b>'Molecular Breeding and Traditional Rice'</b> by <b>Prof. H. E. Shashidhar</b> , Dept. of Biotechnology, <i>University of Agricultural Sciences, Dharwad-580 005.</i>
<b>Day-2 (Thursday, 16<sup>th</sup> April 2015)</b>		
	<b>SESSION-5</b>	
	<i>Chairpersons:</i> <b>Dr. N. Ramachandra Swamy</b> , Professor and Chairman, Dept. of Biochemistry, BU <b>Dr. Chidananda Sharma</b> , Professor, Dept. of Microbiology/ Biotechnology, BU	
10.00-10.45	BUGJL-08	<b>'Power of Evolution'</b> by <b>Prof. Srinivas K. Saidapur</b> <i>Former Vice Chancellor and Diamond Jubilee Professor (For Life), Karnatak University, Dharwad-580 003</i>
10.45-11.30	BUGJL-09	<b>'Biotechnology and Molecular Biology for Industry and the Common Man'</b> by <b>Dr. Mittur N. Jagadish</b> <i>Head, Biotechnology Facilitation Cell, KBITS, Dept. of IT, BT and S &amp; T, GOK, 4th Floor, BMTC Building, Shanthinagar, Bengaluru-560 027</i>

Time	Lecture No.	Topic and Speaker
11.30-11.45	<b>Tea Break</b>	
	<b>SESSION-6</b>	
	Chairpersons: <b>Dr. Govindaiah</b> , Professor and Chairperson, Dept. of Sericulture/Life Sciences, BU <b>Dr. S. R. Ananthanarayana</b> , Professor, Dept. of Sericulture/Life Sciences, BU	
11.45-12.30	BUGJL-10	'Use of Genetics in Vector Control' by <b>Prof. N. J. Shetty</b> , Professor Emeritus, Centre for Applied Genetics, BU
12.30-01.15	BUGJL-11	'Stem Cells : Basis, Therapeutics and Research' by <b>Dr. Joshuva Peter</b> Director and Senior Scientific Consultant, IVF Centre and Research in Reproduction, Sri Siddaganga Medical College, Tumkur-572 107
01.15-01.45	<b>Lunch Break</b>	
	<b>SESSION-7</b>	
	Chairpersons: <b>Dr. H. P. Puttaraju</b> , Prof. and Coordinator, Dept. of Biol. Sciences(5 year Integrated), BU <b>Dr. S. Asha Devi</b> , Professor, Dept. of Zoology, BU	
01.45-02.30	BUGJL-12	Traditional, modern and futuristic vaccine' by <b>Prof. P.N.Rangarajan</b> Dept. of Biochemistry, Indian Institute of Science, Bengaluru-560 012
02.30-03.15	BUGJL-13	'Self, non-self and danger : Basic concepts in immunology, diagnosis and treatment of infections' by <b>Prof. R. Manjunath</b> , Dept. of Biochemistry, Indian Institute of Sci., B'loru
03.15-03.30	<b>Tea Break</b>	
	<b>SESSION-8</b>	
	Chairpersons: <b>Dr. M. S. Reddy</b> , Professor and Coordinator, Centre for Applied Genetics, BU <b>Dr. V. R. Devaraj</b> , Professor, Dept. of Biochemistry, Central College Campus, BU	
03.30-04.15	BUGJL-14	'Post translational modifications in Human Cancer' by <b>Prof. Rajalakshmi Gope</b> Head, Dept. of Genetics, NIMHANS University, Bengaluru-560 029
04.15-05.00	BUGJL-15	'Proteogenomic approaches for accurate assembly and annotation of Genomes' by <b>Prof. T. S. Keshava Prasad</b> Institute of Bioinformatics, White field, Bengaluru--560 066

*All are Welcome*

**Dr. M. S. Reddy**

Convenor (BUGJLS) and  
Professor and Coordinator

Centre for Applied Genetics, BU

**Dr. M. Ramachandra Mohan**

Professor and Chairman  
Dept. of Zoology, BU

**Prof. K. K. Seethamma**

Registrar  
Bangalore University

# BU GOLDEN JUBILEE LECTURE SERIES(BUGJLS)

APRIL 15-16, 2015

## PARTICIPATING DEPARTMENTS OF BANGALORE UNIVERSITY



**BOTANY / MOLECULAR BIOLOGY**



**BIOCHEMISTRY**



**SERICULTURE / LIFE SCIENCES**



**MICROBIOLOGY / BIOTECHNOLOGY**



**ENVIRONMENTAL SCIENCE**



**BIOLOGICAL SCIENCES**



**ZOOLOGY / CENTRE FOR APPLIED GENETICS  
and**

**COLLEGES AFFILIATED TO BANGALORE UNIVERSITY OFFERING PG COURSES**



*Organised by*

**CENTRE FOR APPLIED GENETICS, DEPARTMENT OF ZOOLOGY  
BANGALORE UNIVERSITY, JNANA BHARATHI, BENGALURU-560056**