DAY 2 : 4th March 2016

10.00 - 11.00 am : "Viruses and humans - living in symbiosis and pathogenesis: who wins"
Dr. Durga Rao, FNA
Professor,
Department of Microbiology & Cell Biology
Indian Institute of Science, Bangalore

11.00 - 11.30 am : TEA BREAK

11.30 - 12.30 pm : "Proteomics of eye diseases - Fungal Keratitis"
Dr. K. Dharmalingam, FASc, FNASC
Research Director
Aravind Medical Research Foundation, Madurai

12.30 - 1.30 pm : LUNCH

1.30 - 2.30 pm : "The complexity of regulation of eukaryotic gene expression"
Dr. Durga Rao, FNA
Professor,
Department of Microbiology & Cell Biology
Indian Institute of Science, Bangalore

2.30 - 3.30 pm : "Diabetic Retinopathy and biomarker discovery"
Dr. K. Dharmalingam, FASc, FNASC
Research Director
Aravind Medical Research Foundation, Madurai

Interactive session between the resource persons & students followed by vote of thanks

NOTE:

Registration form can be downloaded from http://www.ladydoakcollege.edu.in. Duly filled registration form is to be sent to biotechnology@ldc.edu.in on or before 29th February, 2016. Selected participants will be notified through email.

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Organised by
DEPARTMENT OF BIOTECHNOLOGY
Lady Doak College, Madurai
ABOUT THE COLLEGE

Lady Doak College was established in the year 1948 by Ms. Katie Wilcox, an American missionary with dedicatory zeal and vision. It has the distinction of being the first women's college in Madurai. Empowerment and encyclopedic development of women has been the unique culture of LDC, with integrity, ingenuity, fellowship and harmony as its hallmarks. It currently offers 26 undergraduate, 15 post graduate, 9 M.Phil and 6 research programmes. It always strives to sustain its excellence and quality in higher education. Its challenging curriculum blended with relevant academic and co-curricular programmes, exposure programmes, value based education, international exchange programmes and well developed student support system have placed the college at the forefront in the field of higher education.

ABOUT THE WORKSHOP

Biology explores the structure and functions of all forms of life on Earth. The science of understanding how biological systems operate and interact with one another (the biosciences) is increasingly important to global prosperity and quality of life. As the world's population grows, so will the need for more efficient and sustainable ways to grow food, keep people healthy, produce energy, manufacture biological drugs, therapeutics, and chemicals, etc. This will have a great impact on the global prosperity and quality of life. These advances can only be realized by gaining a deeper understanding of path breaking achievement in recent years. Despite major breakthroughs and discoveries in recent years, our understanding of biological systems still faces many challenges. Hence, this workshop will provide a platform to the participants to update their knowledge on the tremendous progress made in the field of Sciences. It also facilitate the students and teachers to interact with professionally competent scientists that will motivate and inspire the students and teaching community to enhance their teaching and research competence.

WHO CAN APPLY?

Faculty, B.Sc, M.Sc, M.Phil, Research scholars from Life Sciences are eligible to attend. Participants will be selected on the basis of first come first in. Working lunch and Tea will be provided. NO REGISTRATION FEES. NO CERTIFICATES WILL BE ISSUED.

AGENDA

DAY 1 : 3rd March 2016
9.30 - 10.00 am : Registration
10.00 - 10.15 am : Inauguration
10.15 - 11.15 am : "Traditional, Modern & Futuristic vaccines"
   Dr. P.N. Rangarajan, FASc
   J C Bose National Fellow Professor,
   Department of Biochemistry
   Indian Institute of Science,
   Bangalore
11.15 - 11.45 am : Tea Break
11.45 - 12.45 pm : "Gene Targeting: A powerful reverse genetics tool for functional genomics studies"
   Dr. K. Veluthambi, FNA, FASc, FNASe
   UGC-BSR Faculty Fellow
   School of Biotechnology
   Madurai Kamaraj University,
   Madurai.
12.45 - 1.45 pm : Lunch Break
1.45 - 2.45 pm : "Analysis of Caenorhabditis elegans proteome to understand bacterial infections"
   Dr. K. Balamurugan Ph.D.
   Professor,
   Department of Biotechnology
   Alagappa University,
   Karaikudi.
2.45 - 3.45 pm : "The 2015 Nobel Prize for Physiology & Medicine : Lesson to learn"
   Dr. P.N. Rangarajan, FASc
   J C Bose National Fellow Professor,
   Department of Biochemistry
   Indian Institute of Science,
   Bangalore
3.45 - 4.00 pm : Tea