

# REPORT OF THE PROGRAMME CONDUCTED



Dept. of  
Sree Sankara College Kalady

Title of the activity	Biospectrum 2020 Genomics
Date and Time	26/02/2020
Resource person	
Nature of activity	
Type of Activity	,
Linkage Activity	
Convener	
Number of participants	0
Report of the activity	Two day seminar <b>Silver Jubilee National Seminar BIOSPECTRUM-2020- GENOMICS</b> , Organized by Research Department of Microbiology at Sree Sankara College
Outcome of the activity	

**REGISTRATION FORM**  
Name: Mr/Ms/Ds  
Gender:  
Designation:  
Address:  
E-mail ID:  
Mobile no:  
Duly filled in registration form should be sent to the organizing secretary through Email: nicha.sankaracollege@gmail.com on or before 18th February 2020.  
Registration fee can be paid at the registration counter.  
Faculty: Rs 600.  
Students: Rs 400.  
Spd Registration: 9:30am  
Faculty: Rs 700.  
Students: Rs 500.  
For details Contact:  
Dr. Vaisa A K - 9848394748  
Dr. S Mohan - 9447024022  
Dr. Sumi Mary George - 9447223999

**Organizing committee**  
Sri. K Anand, Managing Director (Chief Patron)  
Sri. C P Jaisankar, Chief Operations officer (Patron)  
Dr. A Suresh, Principal (Chairman)  
Dr. Vaisa A K (Convener)  
Dr. S Mohan (Organizing Secretary)  
Dr. R Manjula  
Dr. Sumi Mary George  
Dr. Sandhya C  
Dr. K Sutha  
Ms. Jithasha Balan  
Ms. Achamma Thomas  
Ms. Sharmila Jay Palraj  
Ms. Robin Kankan

**SILVER JUBILEE NATIONAL SEMINAR BIOSPECTRUM - 2020 GENOMICS**  
27-28 February 2020

**About the college**  
Sree Sankara College, Kalady was founded in the year 1954 by Swathi Agamanada with a vision to perpetuate the memory of the great philosopher and saint A.S. Sankaracarya and to nurture the spirit of Kalady as a cultural place.  
The college is affiliated to the Mahatma Gandhi University and included in 201 and 22(B) act of the UGC, 1954. The National Assessment and Accreditation Council has accredited the college with B++ grade.  
**About the Department**  
The Department of Microbiology was established in the year 1995. It offers Postgraduate programme in Microbiology. The Department is a recognised Research Centre affiliated to Mahatma Gandhi University and is now supported by the Department of Science and Technology, Government of India under the FIST scheme and Kerala State Council for Science Technology and Environment under the SARD scheme.

**About the seminar**  
Genomics is an interdisciplinary area of biology which involves the sequencing of DNA of genes or the complete organism.  
Genomics uses a combination of recombinant DNA technology, DNA sequencing methods and bioinformatics to sequence, assemble and analyse the structure and function of genes and their interrelationships. The recent advances in Bioinformatics and the advent of high throughput instruments have led to the generation of enormous data, which can be accessed and analysed only by experts in this field. This seminar focuses on the topics related to genome sequencing, metagenomics and the interpretation of the generated data. Interaction with the experts in this field will shed light on these aspects.

**Inaugural address:**  
Dr. Prakash Kumar B. IAS IAS, IAS, IAS  
**Invited Speakers**  
Dr. Sanku Ghosh Professor, Dept. of Biotechnology, IISCT  
Topic: Genomics - Role in environment and Biotechnology  
Dr. Biju Thomas, Assistant Professor  
St. Ignace College, Ummer  
Topic: Protein structure prediction and computer aided drug discovery  
Dr. Teena Iyappan Principal, Mepham  
Pvt. Ltd., Chennai.  
Topic: Magnetic nanoparticles based nucleic acid purification for molecular biology applications  
Dr. Boney K. IAS IAS, IAS, IAS  
Pvt. Ltd., Chennai.  
Topic: Next generation sequencing and its applications - Application  
Dr. Mangesh Suryavanshi, National Postdoctoral Fellow (JDRB/ICR), Hyderabad Deemed to be University, Hyderabad.  
Topic: Indian Human Microbiome

**Dr. Lekha Thankappan Pazhamala,**  
Scientist Systems Group, Genentech, UCSF, Hyderabad  
Topic: Microbiome research in India-Opportunities & Challenges  
**Dr. S. Somasekharan Pillai M. IAS,** Department of Statistics, St. Ignace College, Thiruvananthapuram  
Topic: Statistical packages for genome data analysis  
**Dr. Beena Pillai,** Scientist, Institute of Genomics and Integrative Biology (IGIB), New Delhi  
Topic: The host genome and its impact on HIV disease progression  
**Dr. Radhakrishnan K.K.,** Associate Professor, School of Bioscience, Kerala Health University  
Topic: Genomic analysis of plant associated microorganisms for exploring its better utilization  
**Presentation by Research Scholars**

