

# International seminar on Interdisciplinary Developments in Cancer Research

Jointly organized by

**Department of Computer Science  
Biotechnology and the Research Centre**

Date: 28-01-2020, 29-01-2020

Venue: St. Joseph's College (Autonomous), Irinjalakuda

## Report of the event

The dignitaries lead by our very own principal Rev.Dr.Lissy Anto P, the chief guest Dr. **Achuthsankar S. Nair** - Hon. Director, Dept. of Bioinformatics, University of Kerala, Thiruvananthapuram, Dr.Sr.Ranjana, Manager of St. Joseph's College (Autonomous), Irinjalakuda, Sr.Siji P D, HOD, Department of Computer Science, Dr. Nigil, IQAC coordinator, Ms.Reesha P U, Faculty, Department of Computer Science, occupied the dias. The function began with the prayer song. Presidential address was delivered by Rev.Dr.Lissy Anto P. Sr.Siji P D welcomed the gathering and the Guest of honor. **Dr. Achuthsankar S. Nair**, Chief Guest for the occasion inaugurated the function. Dr.Sr.Ranjana presented the felicitation address. The vote of thanks was delivered by Ms.Reesha P U.



The seminar focussed on the challenges and issues faced by the researcher in the present scenario.

### **TECHNICAL SESSION - I**

The session by Dr. Achuthsankar began after a short tea break. He outlined the role of Artificial Intelligence, Machine Learning and Deep Learning. He also briefed out certain techniques used in computers.



### **TECHNICAL SESSION - II**

The afternoon session was handled by Dr. Vrinda V Nair. She was able to make the audience understand the importance and relevance of the subject and the role of a good guide in inspiring and motivating the students to aspire his or her goal. The subsequent session was by Dr. Vibha Choudhary, Faculty Scientist, Institute of Bioinformatics and Applied Biotechnology, Electronic city, Bangalore. Her topic was “Tools and techniques used in cancer research”. She was able to explain cancer and its causes and the role of computer technologies in diagnosis of the disease.



### **TECHNICAL SESSION - III**

The morning session on 29th January started with a silent prayer followed by the talk of Dr. Ruby John Anto, Scientist G of Rajiv Gandhi Centre of Biotechnology. She spoke on “Evaluation of bioactive principles from natural products as chemo preventives, chemo sensitizers and hemotherapeutics”. It was a wonderful session explaining the research performed by her team. She was able to prove that the plants around us have great wonders and we need to discover those. The session was followed by a short tea break.



### **TECHNICAL SESSION – IV**

The next session was by Dr. Manish Kumar, formed head and coordinator of University of Calicut. He spoke on “Shifting paradigms in cancer research and therapy”. He was able to go into detail the evolution that is varying from time to time. The paradigm evades crisis through innovation. He was able to influence to think outside the paradigm. He also explained his research and the session was followed by lunch break.



### **TECHNICAL SESSION – V**

The last session was on “Cre-Lox Transgenic Mice” by Dr. Jayanarayanan S. Texas University Sciences, USA. It was a great session and helped students to understand basics of research using animal models. He introduced to Brief history of Animal Modelling and the transgenic mice.

The seminar ended with valedictory session at 3.30 pm. Through the two days sessions, students were enlightened with the novel techniques used in the disease diagnosis and also the current developments in the everyday scientific research happening all over the world.

Link to the website: <https://www.stjosephs.edu.in/departments/computer-science/seminars.html>