



# ST PETER'S COLLEGE KOLENCHERY

**inBiotek**  
Microsystems

**DEPARTMENT OF ZOOLOGY  
in association with  
IQAC & INBIOTEK MICROSYSTEMS KOCHI  
organize**

## **A Two Day Workshop on 'Advanced Microscopic Techniques'**

### **Workshop Highlights**

**Kohler illumination setup**

**Resolution calculation**

**Different contrasting techniques**

**Software modules for microscopy**

**Foldscope**



**2022 NOVEMBER 3 & 4**

**GOLDEN JUBILEE SEMINAR HALL**

# About the workshop

**This workshop will cover**

- \* Basics of microscopy**
- \* Kohler illumination setup**
- \* Resolution calculation**
- \* Different contrasting techniques (Bright field, Dark field, Phase Contrast, Polarisation, DIC, Fluorescence)**
- \* Choosing a right camera for imaging**
- \* Software modules for advanced microscopy**
- \* Foldscope**

**REGISTRATION LINK**

**<https://forms.gle/QPDiSTHp7RaE8uXz5>**

# PROGRAMME SCHEDULE

**DAY 1 - 3.11.2022**

**10:00 AM**

**INAUGURATION  
TECHNICAL SESSION 1**

**11:00 AM**

**BASICS OF MICROSCOPY**

**C V Ajith Kumar CEO, InBiotek**

**12:00 NOON**

**TECHNICAL SESSION 2**

**DIFFERENT CONTRASTING TECHNIQUES**

**C V Ajith Kumar CEO, InBiotek**

**02:00 PM**

**TECHNICAL SESSION 3**

**HOW TO CHOOSE THE RIGHT MICROSCOPY CAMERA**

**C V Ajith Kumar CEO, InBiotek**

**04:00 PM**

**TECHNICAL SESSION 4**

**DIFFERENT MODULES OF MICROSCOPY SOFTWARES**

**K Jayakumar Senior Director, InBiotek**

**DAY 2 - 4.11.2022**

**TECHNICAL SESSION 5**

**10:00 AM**

**PRACTICAL DEMONSTRATION**

**Team InBiotek**

**01:30 PM**

**TECHNICAL SESSION 6**

**FOLDSCOPE**

**Dr. Baby Divya, Assistant Professor in Zoology  
St. Xavier's College for Women, Aluva, Ernakulam**

**03:30 PM**

**VALEDICTORY FUNCTION**



# About St. Peter's College

**St. Peter's College Kolenchery, started in the year 1964 is affiliated to Mahatma Gandhi University Kottayam. It is an Arts and Science College with thirteen aided and two unaided UG, five aided and one unaided PG programmes in addition to three Research Centres. The Department of Zoology was established in July 1964 and the first B.Sc. batch was started in 1967 under the headship of Prof. Raju Kurian. The eminent faculty members of yesteryears have laid a strong foundation for the department, which has been providing quality education and training in the field of Zoology. The Department offers a three-year B.Sc. course with Zoology as the main subject and Chemistry and Botany as subsidiaries, and Agricultural pest management as an elective subject. It has all the basic infrastructural facilities including smart classrooms with audio-visual facilities, computers and internet, a well-equipped laboratory, an excellent museum with more than 1000 specimens and numerous charts, models and slides, and a departmental library with more than 500 books. The Department also serves as a regional center for the 'Collaboratively Understanding Biology Education' (CUBE) facilitated by the Tata Institute of Fundamental Research (TIFR), Mumbai. The association also publishes 'Biospectrum' a newsletter and 'Zooscript' an annual in-house, handwritten magazine aimed at bringing out the talents of the students. Apart from the routine theory and practical classes, we conduct regular field experience trips including visits to research and scientific institutions and places of zoological importance, nature camps, invited talks and training programmes. Various group activities like aquarium management, vermicomposting, beekeeping, posters and model designing, etc. were also carried out.**



# About InBiotek Microsystems Kochi

**InBiotek Microsystems, an organisation based at Kochi, was founded by Instrumentation specialized team, with over 25 years of experience in Sales, Service and Application support. They provide microscope-allied products to Research Institutes, Universities, Hospitals, Medical colleges, Educational Institutes and Industries. They represent the pioneers in the respective fields. They play a strong supporting role to the user, helping them to realize their full potential by overcoming their challenges. They support to conduct microscopy seminars sharing expert resources to teach from basics to advanced microscopy techniques**



# Who Can Attend?

P G students

Research scholars

Faculty members

## ACCOUNT DETAILS

Account no : 607902010013813

IFSC CODE : UBIN0574104

The Secretary, St. Peters College Staff Co-Op Society

## REGISTRATION FEE

Faculty Members: 300/-

Research Scholars: 250/-

P G Students: 200/-

Online registration is limited to 50 participants

No spot registration

Register before 01.11.2022

All registered participants will be provided with working lunch during the workshop.

# **ORGANIZING COMMITTEE**

## **CHAIRMAN**

**Dr. Shaju Varghese**

## **CONVENERS**

**Dr. Susha T K**

**Mr. Subin Balachandran**

## **CO-CONVENERS**

**Mr. C V Ajith Kumar**

**Mr. K Jayakumar**

## **MEMBERS**

**Dr. A U Arun**

**Dr. Sony Devassy**

**FOR MORE ENQUIRIES**

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