



# 6 days hands on training workshop on **MOLECULAR BIOLOGY & HISTOLOGY TECHNIQUES** August 5-10, 2024

*Organized by*  
Neurobiology Lab, Department of Biochemistry  
University of Kerala

## **Highlights**

Mammalian Cell Culture  
Western blotting  
PCR  
Immunocytochemistry  
Histology

## **Eligibility**

B.Sc / M.Sc /  
Ph. D students/ Post docs  
from any branch of  
Life/ Chemical Sciences

**Organizing Secretary:** Dr. Viji Vijayan, Assistant Professor,  
Department of Biochemistry, University of Kerala

**Contact details** – Phone: +91 9074529255  
Email: [vijivijayan@keralauniversity.ac.in](mailto:vijivijayan@keralauniversity.ac.in)

Email your interest with bio data by **July 24, 2024**.

6 Shortlisted candidates will be informed by email on **July 27, 2024**.

Shortlisted candidates will pay & confirm the registration by **July 29, 2024**.

Registration fee includes welcome kit, workshop manual & working lunch.

Accommodation will be arranged on request. Additional charges apply.

TA/DA will not be provided.

## **Registration Fees**

Rs. 6000 + 18% GST = Rs. 7080/-

**DEPARTMENT OF BIOCHEMISTRY**  
Founder Professor: Prof. P.A. Kurup  
(Celebrating 50 years at the University of Kerala)

## **ABOUT THE DEPARTMENT**

*The Department of Biochemistry at the University of Kerala traces its origins back to 1961 when it was established as a division of the Department of Chemistry. It gained independent status in 1970. The Department is currently headed by Dr Arun A Rauf. Faculty members include Dr. Mini S, Dr. A. Helen, Dr. Saja K., Dr. P.G. Biju, Dr. Janeesh P.A. and Dr. Viji Vijayan.*

*Since its inception, the Department has been a leader in both teaching and research. It has secured numerous externally funded research programs, both independently and in collaboration with various institutions in India and abroad. Presently, the Department offers M.Sc. in Biochemistry and Ph.D. programmes. The Department is equipped to perform biochemical research using a combination of various conventional and modern equipments. These include cell culture laboratories, approved animal house facility, advanced laboratories for inflammation, diabetes, neurobiology, cancer and tissue engineering research. The research focuses on areas such as inflammation, atherosclerosis, diabetes, arthritis, neurodegenerative diseases, immune disorders, cancer, tissue engineering, microbiome research, nutrition and nutrigenomics. Research endeavours primarily focuses on development of plant based products for the treatment of life style disorders and identification of biomarkers for clinical diagnosis of disorders that affect Keralite population. So far the Department has produced over 320 Ph.D. graduates and published more than 1100 research articles in esteemed national and international peer-reviewed journals.*

*The M.Sc. and Ph.D students of the Department have embarked on careers in biomedical research institutes, pharmaceutical and biotechnology industries, universities and colleges. Through its comprehensive academic and research programmes, the Department of Biochemistry at the University of Kerala continues to uphold its legacy as a institution of excellence.*

## **ABOUT NEUROBIOLOGY LAB & THE WORKSHOP**

*The Neurobiology lab headed by Dr. Viji Vijayan, Assistant Professor is primarily funded by State Plan Fund Grants (SPG 2021-22, 23-24), SERB-POWER and UGC-BSR. The laboratory houses a cell culture facility, equipments for software based behavioral analysis, stereotaxic machine, tools for histology and wet lab. The workshop is one of the prime objectives of the project – Setting Up of Neurobiology Lab (SPG) and Social Responsibility Research goals of SERB POWER. We aim to provide learners an understanding of molecular biology techniques along with hands on training skills, be it students from Life or Chemical Sciences. Through this workshop we also aim to acquaint a small target group with comprehensive 'hands on training on basic molecular techniques and histology' that will enable their career building process. The training will offer scientific lectures and practical sections. The participants will be encouraged to discuss their ongoing research work if any so that practical guidance may be given to them.*

## **WORKSHOP CO-ORDINATORS**

*Anumol PS, Aadithye R Nair, Enrika Joy Ajit, Nimmi Varghese, Dr. Surumi B, Adithya MG, Sajeesh SS*