

# BHARATHIAR UNIVERSITY, COIMBATORE

## DNA SEQUENCING CORE FACILITY

(DST-PURSE - Phase-II Funded)

Organises

### Hands-on Training Program on DNA Sequencing

#### The Institution

The Bharathiar University was established at Coimbatore by the government of Tamilnadu in February, 1982 which is accredited with "A" grade by NAAC and ranked 13<sup>th</sup> among Indian universities by MHRD-NIRF-2020. Besides it ranks top in various rankings assessed through National and International agencies.

#### The Facility

Under the aegis of Department of Science and Technology (Govt. of India), the Promotion of University Research Excellence (PURSE) program was provided with 17.5 crores in the second phase for infrastructure. DNA SeqCore facility is established in 2019 for catering the need of scientific community in this region.

#### The Training Program

Understanding biology with its genetics basis ease various molecular approaches. In this context, DNA Sequencing remain as an essential and powerful tool for any molecular biologists. Sanger sequencing plays an important role to spell the DNA sequence ever since its discovery in 1977. Automated sequencing of the chain termination method with capillary electrophoresis has become handy tool nowadays because of its speed, accuracy and cost. Sanger sequencing retains its essential place in molecular biology due to its enormous applications in various facets.

#### The Beneficiary

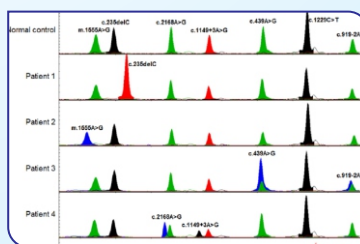
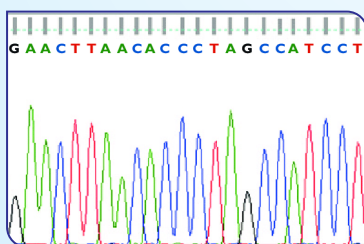
Delegates will be exposed with the sequential protocols for capillary sequencing right from the DNA sample submission. This hands-on training will provide all necessary theory and practical tips employed in DNA sequencing. Participants will have the opportunity to analyse the chromatogram and thereby the sequencing data.

#### The Event

The two days training program will have a combination of lectures and Hands-on experience in DNA sequencing which includes,

- Principle of Cycling PCR and Sequencing
- PCR product clean up
- DNA qualification and quantification
- Cycling PCR
- Purification of Cycling PCR
- Loading samples into 3500 Genetic analyser
- Sequence analysis and interpretation of results.

The workshop intended for Scientist, Technicians, Research scholars, Faculty members and students who wish to perform DNA sequencing extensively.



**General Instructions:** No registration fee ❖ Certificates will be provided ❖ High-Tea and lunch will be provided  
❖ Accommodation not provided ❖ Registered Participants will be notified through mail

Registration Link: <https://forms.gle/H8kVkhR4bH2gfLuX7>

RSVP : [budnaseqcore@gmail.com](mailto:budnaseqcore@gmail.com) / 98650 76485



#### ORGANIZING COMMITTEE

##### Chief Patron

Prof. Dr. P. Kaliraj  
Vice Chancellor

##### Patron

Prof. Dr. K. Murugan  
Registrar (i/c)

##### Convenor

Dr. S.R. Prabakaran  
DNA SeqCore Facility

##### Co-Ordinators

Dr. M .Ramesh  
Dr. V. Ramasubramanian  
Dr. A. Vijayanand  
Dr. V. Thirunavukkarasu

Dr. N. Arul

Dr. J. Manivannan

##### DST-PURSE (Phase II)

Dr. R. Sathish Kumar  
Co-ordinator

Dr. M. Balasubramanian  
Dy. Coordinator - PURSE  
Coordinator - CIC

##### Venue :

Genomics Lab

Central Instrumentation Centre

Date : 22<sup>nd</sup> - 23<sup>rd</sup> March, 2021