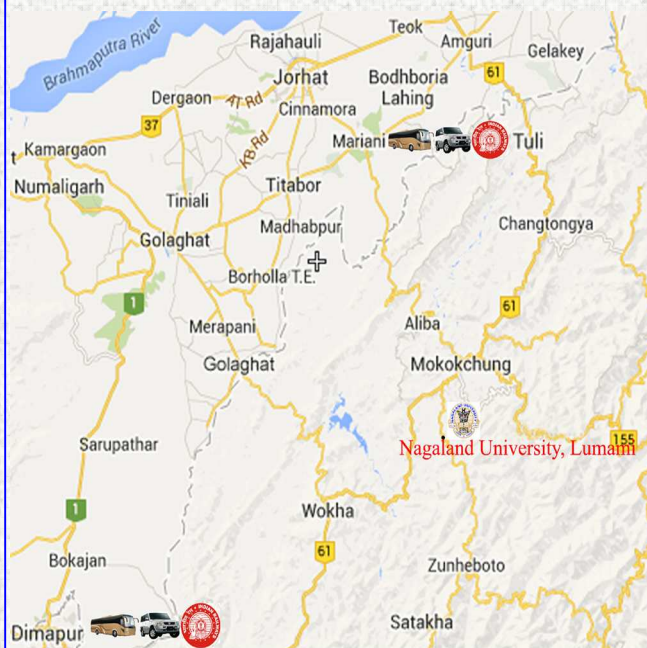


**About Nagaland University:** Nagaland University is a Central University established by the an act of Parliament No. 35 of 1989 with campuses at Kohima, Lumami and Medziphema head quartered at Lumami, Zunheboto district.

**How to reach Nagaland University, Lumami (Mokokchung), Nagaland**

- (1) **From Guwahati:** Blue Hill /Network Travel Bus Service from ISBT (6:00 pm)
- (2) **From Mariani/Jorhat:** Tata Sumo Service (7:00 am & 12:15 pm),
- (3) **From Dimapur:** Bus/Tata Sumo/Winger services (6:00 am & Night service)
- (4) **Nearest Railway Station: Mariani, Assam (85 KM)**
- (5) **Nearest Airport: Jorhat, Assam**



**Organizing Committee**

**Chairman**

**Prof. P. Lal**, Vice Chancellor, Nagaland University

**Organizing Secretary**

**Prof. Chitta Ranjan Deb**, Coordinator, Institutional Biotech Hub (IBTH), Department of Botany, N.U.

**Joint Secretary**

**Dr. Talijungla**, Deputy Coordinator, IBTH, Department of Botany, N.U.

**Members**

**Dr. A. Paul**, Assistant Professor, Department of Botany, N.U.

**Ms. Bendangnaro Jamir**, SRF, IBTH

**How to apply**

Please fill up the registration form and post or email it to the following address:

**Prof. C. R. Deb**, Coordinator, Institutional Biotech Hub, Department of Botany, Nagaland University, Lumami 798627, Nagaland

**E-mail: debchitta@rediffmail.com** /

**nu.bthub@dbt.nic.in** /

**paulchachei@rediffmail.com**

**Mobile: +91-9436006808\*/8732006501**

**Hands on Training  
On  
'Functional Genomics'**

**November 14-21 2017**



**Organized by**

**Institutional Biotech Hub**  
Department of Botany  
Nagaland University, Lumami-798627  
Nagaland, India

**Sponsored by**

**Department of Biotechnology**  
Ministry of Science and Technology  
Government of India, New Delhi



**About Institutional Biotech Hub (IBTH),  
Nagaland University, Lumami, Nagaland**

The Institutional Biotech Hub, Nagaland University, Nagaland, Lumami was established in the year 2011 with the grant from the Department of Biotechnology, Ministry of Science & Technology, Government of India, New Delhi. The broad purpose of the programme is to promote education and research in Biology / Life Science / Biotechnology and to attract brilliant young students to build their career in different fields of biological sciences / biotechnology.

**Course contents:**

**Lectures:**

(1) Plant Biotechnology Basics; (2) Molecular Biology Techniques; (3) Genomics and Post-Genomic Era; (4) Metagenomics; (5) DNA Barcoding; (6) Molecular Taxonomy; (7) General Bioinformatics; (8) Molecular Phylogeny.

**Hands on Session:**

**Biotechnology and Molecular Biology:**

(1) DNA extraction & purification from higher plants and microbes; (2) Agarose gel electrophoresis of DNA and visualization; (3) PCR techniques; (4) DNA Barcoding/finger printing; (5) Transcripts isolation; (6) cDNA synthesis and gene amplification; (7) Competent bacterial cells preparation for transformation.

**Bioinformatics:**

(1) Bioinformatics Databases; (2) Sequence analysis; (3) Computational evolutionary studies; (4) Phylogenetic analysis .

**Who can apply:**

M.Sc./M.Tech./Ph. D. Scholars in any branch of life sciences or a relevant field.  
Faculty members from Colleges and Universities in any branch of life sciences or a relevant field.

**Registration fee:**

**Without accommodation**

M. Sc./M. Tech.: Rs 1500/- (For 8 days)  
Ph. D. students: Rs 2000/- (For 78days)  
Faculty: Rs 5000/- (For 78days)

**Note: Students from N.U.**

B. Tech ./ M. Sc. Students: Rs 1000 (For 8 days)  
Ph. D. Scholars: Rs 1500 (For 8 days)

**Mode of payment:**

**Spot payment on 14<sup>th</sup> November, 2017.**

**Registration fee includes registration kits, study materials and working lunch, tea, snacks during training.**

**Intake Capacity: 10 (Ten)**

**Important dates**

**Registration: September 15, 2017 to November 06, 2017.**

**Selection:** Selected candidates will be informed by email on 7<sup>th</sup> November, 2017.

**Accommodation:**

Accommodation may be arranged on request in the University Guest House on actual payment basis (sharing room). Participants seeking accommodation in the University Guest House may contact the Coordinator well in advance.

**How to reach the Institutional Biotech Hub (IBTH):**

The Institutional Biotech Hub, is located in the Department of Botany, Nagaland University, Lumami.

**Registration Form**  
**Hands on Training**  
**On**  
**‘Functional Genomics’**

**November 14-21, 2017**



**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organization:** \_\_\_\_\_

**Address:** \_\_\_\_\_

\_\_\_\_\_  
**Sex: Male / Female (Please tick mark)**

**Email:** \_\_\_\_\_

**Phone/Mobile:** \_\_\_\_\_

**Accommodation required/Not required**

**Signature:** \_\_\_\_\_

**(Signature is not mandatory for online application)**

**Sponsoring authority (if any) :**

\_\_\_\_\_