



DST-STUTI Sponsored Hands-on Training Program on “Advanced Immunological Tools and Techniques”

Under the scheme of

**Synergistic Training Program Utilizing
the Scientific and Technological
Infrastructure (STUTI)**

An initiative by

**Department of Science and Technology,
Government of India**

**September 19-25,
2022**

Organized by

**Department of Biotechnology
&
Research and Development Cell
Central University of South Bihar, Gaya**

In collaboration with

**Jamia Hamdard PMU,
New Delhi**

Overview of the STUTI program

The Scheme ‘**Synergistic Training program Utilizing the Scientific and Technological Infrastructure**’ (STUTI) is intended to build human resource and its knowledge capacity through open access S&T Infrastructure across the country. As a complement to the various schemes of DST funding for expansion of R&D Infrastructure at academic institutions, STUTI scheme envisions a hands-on training program and sensitization of the state-of-the-art equipment as well as towards sharing while ensuring transparent access of S&T facilities.

Central University of South Bihar

The Central University of South Bihar (CUSB) is established by the Government of India under the Central Universities Act, 2009. The University is located on SH-7, near Panchanpur, just 15 Kms away from the land of enlightenment and salvation, the holy city of Gaya. CUSB is NAAC Grade 'A' accredited and is an emerging educational hub in the Eastern part of India. The University runs undergraduate, postgraduate and research programmes in various disciplines. Overall, the University offers conducive environment, adequate infrastructure support and innovative pedagogies to nurture the students.

Department of Biotechnology

The Department of Biotechnology (established in 2010) is DST-FIST sponsored and is currently offering Ph.D. and M. Sc. Biotechnology programmes. Innovation-based training is the key to train students with a special emphasis on understanding the basic as well as modern concepts in biological processes for pursuing research in frontier areas of Biological Sciences. The Department is equipped with state-of-the-art technology and equipment that provide a stimulating environment for teaching and research with interdisciplinary and multidisciplinary approach.

About Gaya city

Gaya is a holy city beside the Falgu River, in the Indian state of Bihar. It's known for 18th-century Vishnupad Temple, a riverside temple with an octagonal shrine. Gaya is famous for its annual Pitrapaksha Mela. Another holy city Bodh Gaya is just 15 Kms away from Gaya. The Bodhi tree in the Mahabodhi temple under which Lord Budha was enlightened about 2600 years back became a magnetic location as Bodh Gaya. Also, Gaya is surrounded by historical towns like Nalanda and Rajgir each within 100 Kms distance from Gaya.



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Azadi Ka
Amrit Mahotsav



Department of Science & Technology
Government of India



Topics to be covered:

- Immune cells separation and culture.
- Flow Cytometry for detection of cells.
- Western Blot for detection and quantification of proteins.
- ELISA for diagnosis of diseases.
- Fluorescence Microscopy for staining and visualization of cells.

Eligibility:

M.Sc./Ph.D. student,
Post Doctoral Fellow,
Early Career
Scientist/Researcher/
Faculty Member

Registration:

Registration is Free; Food and
accommodation (if required) will
be taken care by the host
institution.
**Certificate will be provided to
Participants.**

Objectives:

To provide an overview (theory as
well as hands-on training) of
Advanced Immunological
techniques and their applications
in Biology.

Registration

Deadline:

**10th September
2022**

Link/QR code for Registration:

<https://forms.gle/fbphRxbaAHD5ggpb7>



Participants:

The number of Participants is limited to 30 (thirty).

The participants will be selected based on a screening of the applicants whose area of research matches the themes of this training programme and attending the training will be useful for their ongoing research.

Chief Patron

Prof. K. N. Singh
Vice Chancellor, CUSB

Chief Guest

Prof. Afshar Alam
Vice Chancellor, Jamia Hamdard

Patron

Prof. P. P. Sarthi
Dean, SEBES, CUSB

Chairman

Prof. Durg Vijai Singh
Head, Department of
Biotechnology, CUSB

Convener

Prof. Rizwanul Haque
Department of
Biotechnology, CUSB

Co-convener

Dr. Rakesh Kumar
Department of
Biotechnology, CUSB

Co-ordinator

Prof. Suhel Parvez
DST-STUTI PMU,
Jamia Hamdard

Organizing Secretary

Dr. Krishna Prakash
Department of
Biotechnology, CUSB

Co-organizing Secretary

Dr. Jawaid Ahsan
Department of
Biotechnology, CUSB

Treasurer

Dr. Nitish Kumar
Department of
Biotechnology, CUSB

Location of Venue:

<https://goo.gl/maps/hY6Z2WXG77HGSjF37>

For any query, please contact:

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