



International Conference on



Bridging Innovative Research in Translational and Interventional Health (BIRTH-2025) November 13-15, 2025



**Department of Biochemistry
University of Lucknow**





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Dean, Faculty of Science



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Department of Biochemistry

**Major
Themes**

Subthemes

**Neurological
and
Metabolic
Disorders**

- ❖ Molecular Mechanisms of Neurological Disease Pathogenesis
- ❖ Biomarker Discovery and Diagnostics
- ❖ Gut-Brain-Axis, Neuroinflammation and Metabolic Dysfunction
- ❖ Lifestyle Diseases and Environmental Factors
- ❖ Neuroprotection and Neurodegeneration and other related area

**Cancer
Biology**

- ❖ Biomarkers, Diagnosis and monitoring systems
- ❖ Drug Discovery and Target Identification
- ❖ Gut microbiome and immunity
- ❖ Gene Therapy and molecular approaches
- ❖ Tumor Microenvironment
- ❖ Molecular and Cellular Therapies
- ❖ Environmental Pollution and Health
- ❖ Other related areas

**Infectious
Diseases**

- ❖ Drug Discovery, Target Identification & Validation
- ❖ Emerging Pathogens and Host Parasite Biology
- ❖ Antimicrobials and resistance
- ❖ Novel Diagnostics and Therapeutics
- ❖ Modern Biology: Genomics, Proteomics, Gene Therapy
- ❖ Vaccine Development
- ❖ Other related areas

**Indian
Knowledge
System:
Health
Perspective**

- ❖ Translational aspects of research in AYUSH
- ❖ Yoga and Naturopathy
- ❖ Sowa, Rigpa, and Homeopathy
- ❖ Scientific Validation of Traditional Indian Knowledge System
- ❖ Bioinformatics and Artificial Intelligence (AI) in Drug discovery
- ❖ Ayurveda System of Medicine
- ❖ Unani and Siddha
- ❖ Other related areas

**Haemoglobinopathies:
Sickle Cell
Disease**

- ❖ Mass screening for early identification
- ❖ Holistic Management and intervention strategies
- ❖ Novel drugs, Natural Product research
- ❖ Gene Therapy and other molecular approaches
- ❖ Diagnosis and monitoring systems
- ❖ Other related areas

International Advisory Committee

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About the Conference

Department of Biochemistry is privileged to host an International Conference on **Bridging Innovative Research in Translational and Interventional Health (BIRTH-2025)** scheduled during November 13-15, 2025, at University of Lucknow, Lucknow-226007, India. The Conference will provide the opportunity to bring-together the visionaries, pioneers, academicians and researchers from all-around the globe to brainstorm on the future of translational and interventional research. This conference will serve as a dynamic platform for the exchange of groundbreaking ideas, the forging of partnerships, and the fostering of collaborations that span disciplines, industries, and borders. The theme, "Bridging Discoveries," underscores our commitment to connecting basic scientific discoveries with clinical applications, translating innovations into real-world impacts, and driving advancements in health and medicine. In an era of unprecedented challenges and opportunities, this conference will delve into the latest trends, tools, and technologies reshaping the landscape of translational and interventional research. The major thrust areas of the conference are related to translational research in the areas of Sickle cell disease, Cancer biology, Infectious diseases, Neurological and Metabolic disorders and Traditional Indian Health Systems. The sub theme will cover aspects on Mass screening, Diagnosis and monitoring systems, Holistic Management and advanced interventional strategies, Biomarker, Drug Discovery & Therapeutics, Ayurveda, Ethnomedicine, and Natural Product research, Microbiome and Human Health, Oncology, Tumor Microenvironment, Molecular and Cellular Therapies, Vaccine Development, Emerging pathogens and Host Parasite Biology, Antimicrobials and Drug resistance, Modern Biology: Genomics, Proteomics, Gene Therapy. Big data analysis, Applications of Bioinformatics, AI and ML in health research. The sessions will cover a wide array of topics that hold the promise to redefine healthcare. We hope that this gathering of brilliant minds will ignite ideas and catalyze collaborations that will shape the future of science and medicine to overcome scientific barriers and bridge the gap between discovery and application.

About the Department

The Department of Biochemistry started functioning in 1963 with generous grants from the University Grants Commission and the Rockefeller Foundation, USA. The Department is committed to provide an excellent teaching, learning and research atmosphere to the students. The Department has excellent infrastructure with smart classes, auditorium, state of the art research laboratories and dedicated faculty members. The Department has obtained grants from various agencies such as UGC, UNESCO, COSIST, DST (FIST and PURSE), DBT, CSIR. The M.Sc. Biotechnology program supported by Department of Biotechnology (DBT). Govt. of India started from academic session 2002-2003. The Department has DBT supported Bioinformatics Facility. The Department has also received Centre of Excellence Grant in the field of Bioinformatics, Proteomics, Protein Engineering and Enzymology from U.P. State Govt. The Department has been receiving funds and extramural research grants from various funding agencies such as UGC, CSIR, CSIR-NMITLI, DST, DBT, ICMR, UPCST, AICTE, etc. The Department has fully equipped laboratories for carrying out cutting edge research in the area of translational health. Till date, more than 200 students have been awarded Ph.D. degree from this Department.

About the University

The University of Lucknow, established in 1920, is one of the premier institutions of higher education in India. Located in Lucknow, Uttar Pradesh, it offers a diverse range of undergraduate, postgraduate, and doctoral programs across various disciplines, including arts, science, commerce, law, and social sciences. It is the first NAAC accredited A++ graded and UGC category-I state university of Lucknow. As per NIRF 2024 Lucknow University ranks 97th among the universities and 32nd among the state funded universities of the country. The university is known for its commitment to academic excellence, research, and community service. With a vibrant campus life, it fosters a rich cultural environment that encourages students to engage in extracurricular activities and leadership opportunities. The University of Lucknow aims to produce well-rounded individuals equipped to meet the challenges of a dynamic world.

Guidelines for Abstract Submission

Format for Abstract: In MS Word not exceeding 300 words (unstructured).

Font: Times New Roman, Text should be justified (single spacing, margin: L2", R1").

Title: Capital and bold with font size 14

Author/s name: Surname followed by initials with space and without points between surname and initials. If authors are more than one then name should be separated by coma (Example: Mohanty A, Kerkar S and Garg).

Affiliation: Authors name should be followed by institutional affiliation. If more than one institute is involved it should be indicated by superscript roman numerals. E-mail ID of corresponding author only to be provided. Presenting authors should be indicated by *

Key words: 5-6 words in Italics, bold with font size 10.

Selected full length research papers will be published in a book featuring conference proceedings bearing ISBN Number.

Poster Presentation: 1x1 sq. meter space will be provided for each poster, Poster should be in one piece either in flex or laminated paper.

Oral Presentation: Presentations should be prepared in power point. Time limit: 10 (8+2) minutes.

The organizing committee will send the acceptance letter for poster or oral presentation after screening of the abstracts.

Link for Online Registration: <https://forms.gle/jxi594CZrxMuga8M9>

Email ID: icbirth2025@gmail.com

Note: Registration is valid only after payment of Registration fees. Registration fees is non-refundable.

Important Dates

- **Registration closing date: October 31, 2025**
- **Abstract Submission: October 31, 2025;**
- **Abstract acceptance notification: November 07, 2025**



Scan the
QR code
for registration

Registration Fees

Categories	Early Bird (Before September 30, 2025)		Till October 31 , 2025		Spot Registration	
	Indian (Rs)	Overseas (USD)	Indian (Rs)	Overseas (USD)	Indian (Rs)	Overseas (USD)
Student (PG)	1000	100	1200	125	1500	150
Research Scholar JRF/SRF/PhD	2000	200	2200	225	2500	250
RA/ Post doc	2500	300	3000	325	4000	350
Academician/ Scientist	3500	400	4000	425	4500	450
Industry Personnel	10000	500	12000	525	15000	550
Accompanying person	1500	200	1500	200	1500	200

Registration fee can be paid using account details or by scanning the QR code.

Bank Details: Account Name: BIRTH2025 **Account No:** 43983518978

SWIFT Code: SBININBB157

IFSC Code: SBIN0014906

Bank: State Bank of India, Lucknow University Branch, Lucknow



Scan the
QR code for
registration
fee payment

HOW TO REACH:

Conference Venue: Department of Biochemistry
University of Lucknow, Lucknow, Uttar Pradesh, India

There are multiple ways to reach Lucknow, the capital of Uttar Pradesh, including by Air, Train, or Road:

By Air

Chaudhary Charan Singh International Airport (LKO) is the main airport for Lucknow and is about 15 kilometers from the city center. The airport has two terminals, T1 for international flights and T2 for domestic flights. Airlines that fly to and from Lucknow include Air India, IndiGo, Vistara, and GoAir.

By Train

Lucknow has two main railway stations, Lucknow Junction (LJN) and Lucknow Charbagh (LKO). The Charbagh Railway Station is connected to most parts of India.

By Road

Lucknow is well connected to major cities by road and is located at the intersection of National Highways 24, 25, and 28. You can also take a bus from nearby cities like New Delhi and other major cities of Uttar Pradesh. Major bus stations in Lucknow include Alambagh Bus Stand and Charbagh Bus Station.

By Cab

You can hire a prepaid taxi or cab from outside the airport or from nearby cities like Allahabad, Varanasi, Mathura, and New Delhi.

Weather

In November, Lucknow typically experiences mild and pleasant weather. Daytime temperatures usually range from 25°C to 30°C (77°F to 86°F), while nighttime temperatures can drop to around 10°C to 15°C (50°F to 59°F). The skies are generally clear with minimal humidity levels. It's a great time for outdoor activities and exploring the city!

Accommodation and Travel

The outstation participants may request for stay in the university campus in Hostels and Guest House at nominal advance payment of ₹1000/night/person on sharing basis. Allotment will depend on availability and will be done on first-cum-first-serve basis. Hotel accommodation can be arranged on request (An advance payment will be required as booking charge) along with registration fee by September 30, 2025. Delegates have to arrange for TA/DA on their own.

Awards

Best Poster and Oral Presentation Awards for each theme will comprise of medal and certificate. The presentations will be evaluated and awarded as per norms of conference organizers.

CONTACT US:

Chairperson

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Dr. Rudra Prakash Ojha (Mob: +91-9140929495)

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Lucknow: Major Attractions



Ambedkar Park



Residency



Rumi Darwaza



Bara Imambara



Chota Imambara



Science Museum



Indira Gandhi Planetarium



Ambedkar Memorial Park



Janeshwar Mishra Park



Art Gallery



Satkhanda



UP Darshan Park

Near by Tourist Attractions



Ayodhya (141 km)

An ancient city of India and is the birthplace of Bhagwan Shri Ram



Prayagraj(204 km)

A holy city where the confluence of the Ganges, Yamuna, and the Saraswati occurs- Triveni.



Varanasi (270 km)

One of the world's oldest continually inhabited cities and spiritual capital of India.



Agra (336 km)

A major tourist destination famous for the Taj Mahal, Agra Fort and Fatehpur Sikri.