



Centurion
UNIVERSITY

*Shaping Lives...
Empowering Communities...*

Genotypic
genomics simplified



NATIONAL CONFERENCE ON

FRONTIERS IN GENETICS AND GENOMICS

20th & 21st
February 2025

Organized by

Center for Genetics and Genomics
Centurion University of Technology and
Management, Odisha

Co-organized by

Genotypic Technology, Bengaluru

Venue:

CENTURION UNIVERSITY OF TECHNOLOGY & MANAGEMENT, ODISHA



ABOUT THE CONFERENCE

The **National Conference on Frontiers on Genetics and Genomics 2025** Sponsored by **Anusandhan National Research Foundation (ANRF), Department of Science & Technology, India** is a premier conference designed to bring together experts, researchers, and professionals from across the country to discuss the latest advancements and innovations in the dynamic fields of genetics and genomics. With the rapid progress in gene editing, gene sequencing, personalized medicine, and computational genomics, this conference will serve as a hub for sharing new insights, fostering interdisciplinary collaboration, and discussing the future directions of genetic research. The event will feature a series of keynote speeches, technical sessions, and panel discussions led by leading scientists and experts in the field. The conference will also encourage networking among academic institutions, and industry professionals, to advance translational research and facilitate the application of genomic discoveries to improve human health and well-being.

ABOUT THE UNIVERSITY

The **Centurion University** is duly recognized as a pioneer in 'Skill Integrated Higher Education" and has been accredited with NAAC A+ grade. Its unique model lays specific emphasis on creating sustainable livelihoods on a national scale in challenging geographies through education that results in employability and sparks entrepreneurship. This model has been recognized by multiple Governments (Central and State), International Organizations such as UNESCO and the World Bank as well as Policy Think-tanks such as the Niti Ayog. Centurion University's School of Vocational Education and Training has been recognized as a Centre of Excellence by the Ministry of Skill Development and Entrepreneurship, Government of India.



At present, the university has different campuses (located at Paralakhemundi, Bhubaneswar, Rayagada, Balangir, Chatrapur, and Balasore) and several social entrepreneurial outreach that, along with collaborating institutions and networks, form its ecosystem. Its motto is “Shaping lives and empowering communities” from its inception. The university is known for its skill development courses and academic excellence in the field of education with 24 research centers on niche areas and has 43 domain courses from its 16 schools, and 110 skill courses, for providing hands-on training to the students and making them market-ready.

ABOUT THE RESEARCH CENTRE

The **Centre for Genetics and Genomics** at Centurion University of Technology and Management is dedicated to pioneering advancements that shape the future of biotechnology, agriculture, and healthcare. Embracing a student-centric, project-based approach, the centre is committed to developing future leaders equipped to thrive in dynamic fields. With a curriculum tailored to evolving industry and academic demands, faculty and research scholars gain firsthand experience in cutting-edge research areas like genome editing, sequencing, speed breeding, and plant disease resistance, contributing directly to societal well-being. Centre’s mission is its focus on experiential and applied learning through state-of-the-art laboratories and real-world projects. The Centre’s design-driven pedagogy encourages initiative, innovation, and risk-taking—qualities essential for navigating the challenges of genetic engineering and genomics.



ABOUT GENOTYPIC TECHNOLOGY

Genotypic Technology Pvt. Ltd. is a leading genomics and biotechnology company specializing in high-throughput sequencing services, bioinformatics solutions, and research collaborations. With a strong focus on innovation, Genotypic has been at the forefront of applying advanced sequencing technologies in various sectors including healthcare, agriculture, and environmental sciences.

THE THEME OF THE CONFERENCE

We welcome submissions related to, but not limited to, the following topics:

- **Genomics and Bioinformatics**
- **Crop Science and Agricultural Biotechnology**
- **Molecular Biology and Genetics**
- **Biotechnology, Microbiology, Life Sciences and Allied Fields.**
- **Next-Generation Sequencing (NGS) and Data Science**
- **Genome Editing and Synthetic Biology**
- **Multi-Omics and Systems Biology**
- **AI and Machine Learning in Life Sciences and Allied Fields**
- **Entrepreneurship and Biotech Startups**
- **Ethics and Policy in Biotechnology and Allied Fields**
- **Sustainability and Green Biotechnology**

Important dates:

- **Abstract Submission: 31st January, 2025**
- **Acceptance Notification: 5th February 2025**
- **Last Date of Registration: 5th February 2025**



ABSTRACT SUBMISSION

Abstracts are invited for oral/poster presentation. The abstract should be submitted in **MS word format** with the following specifications: **Times New Roman, font size 12, 1.5 line spacing, as a soft copy.** It should include the **title, author(s), affiliation(s) of the authors, and keywords (4-6).** It should not exceed **250 words** and must be relevant to the conference theme. The soft copy of the abstracts must be sent to the email id: ncfgg2025@cutm.ac.in

POSTER DIMENSIONS

Dimensions: 3' * 4'. All the presenters are requested to be present during the poster session to answer questions raised by the delegates viewing the posters. The posters should contain a concise **title, author and author affiliation, introduction, methodology, results, conclusion, acknowledgment, and references.** The scientific committee will decide whether an abstract should be presented as an oral or poster presentation. Their decision is final and it will be communicated to each presenter in advance for her/his presentation.

TO REGISTER FOR THE CONFERENCE

Log on to:

<https://rzp.io/rzp/cutm-conference>

Or Scan:



Registration Fees

- Students: **₹1000** (Including GST)
- Research Scholars: **₹ 1500** (Including GST)
- Faculties /Academicians/ Scientists: **₹2000** (Including GST)
- Delegates from Industries: **₹2500** (Including GST)



PRE- CONFERENCE WORKSHOP

The pre-conference workshop on **"Hands-on Training on Oxford Nanopore Based Rapid Plasmid Sequencing & Data Analysis"** will be held from the **19th of February 2025**. The workshop aims to provide participants with practical knowledge and skills in the latest sequencing technology. Oxford Nanopore sequencing offers a unique approach to DNA analysis, enabling rapid, real-time sequencing of plasmids with minimal preparation time. This workshop will guide attendees through the entire process—from sample preparation and sequencing to data analysis, empowering them to effectively apply this cutting-edge technology in their research. Participants will also gain hands-on experience with bioinformatics tools for analyzing sequencing data, fostering a deeper understanding of the technology's potential applications.

Registration Fee - Rs. 5000/-

Note: Candidates are requested to bring a laptop for various bioinformatics analyses.

TO REGISTER FOR THE WORKSHOP

Log on to:

<https://bit.ly/41sl4W8>

Or Scan:





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- Prof. Mukti Kanta Mishra, President, CUTM
- Prof. D.N. Rao, Vice-President, CUTM
- Prof. Supriya Pattanayak, Vice Chancellor, CUTM
- Prof. Anita Patra, Registrar, CUTM

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Dr. Rukmini Mishra

Head, Dept. of Botany, SoAS, CUTM
Coordinator, Center for Genetics
and Genomics

CO-CONVENOR

Mr. MD Rahman

Manager Genomics Product Unit
Genotypic Technology Pvt Ltd.

ORGANIZING SECRETARY

Dr. Satyabrata Nanda

Associate Dean, School of Biotechnology, CUTM
Co-coordinator, Center for Genetics and Genomics

ADVISORY COMMITTEE

- Prof. Radhakant Padhi, Provost, CUTM
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- Prof. Pallu Reddanna, Executive President, Federation of Asian Biotech Associations (FABA)
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HOW TO REACH THE UNIVERSITY

- ✈️ • **By Air:** Bhubaneswar has direct flights from various cities, including Delhi, Bengaluru, Kolkata, Mumbai, Hyderabad, Allahabad, Chennai, Raipur, Guwahati, Patna, Pune, Varanasi and Ahmedabad. The airport is located 24 km from the University.
- 🚂 • **By Rail:** Bhubaneswar and Khurda Road Junctions are the major railway station well connected to different parts of the country. The Bhubaneswar railway station is located 26 km and Khurda Road Station is 4 km from the University.
- 🛣️ • **By Road:** Bhubaneswar is well connected to various cities by road via state and national highways. Babasaheb Bhimrao Ambedkar Bus Terminal (BSABT), Bhubaneswar is the nearest bus terminal at 17 km from the university.

NEARBY PLACES TO VISIT



- **Shree Jagannatha Temple Puri, Puri:** The Jagannath Puri temple is a sacred temple devoted to Lord Jagannath along with his brother Lord Balabhadra and sister Devi Subhadra. Lord Jagannath is considered to be a form of Lord Vishnu by Hindus. The Jagannath Temple is one of the four pilgrimage sites of Char Dham Pilgrimage by the Hindu population.



- **Konark Sun Temple:** A UNESCO World Heritage site, Konark Sun Temple is famous for its unique architecture. Its geometrical patterns and carved wheels used to serve as sun dials. One can witness three images of Sun God at three directions to catch the rays of the Sun at dawn, noon and sunset.



- **Chilika Lake:** Chilika Lake is the largest wintering ground for migratory birds, on the Indian sub-continent. The lake is home to a number of threatened species of plants and animals. It is one of the hotspots of biodiversity in the country.



- **Khandagiri and Udaygiri Caves:** The twin hills of Khandagiri and Udaygiri, also known as Kumargiri and Kumarigiri, are renowned for their rock-cut caves, that were built for Jain monks sometime during 1st and 2nd centuries BC. They also feature the lithic record of 13 years of Kalinga king, Kharavela's reign.



- **Shree Lingaraj Temple:** The uniqueness of Shree Lingaraj Temple lies in the fact that the Shiva Lingam in the sanctum sanctorum is considered to be a self-originated one and is worshipped as both Lord Shiva and Lord Vishnu. Goddess Bhubaneswari or Parvati first discovered the Lingam worshiped under a large mango tree. It is famous for its annual 'Shivaratri' festival, which is considered the most significant event at the temple.



<https://maps.app.goo.gl/xJYZD5r2maedQcx26ee>



For any queries, kindly email at:
ncfkg2025@cutm.ac.in