GENOTYPIC TECHNOLOGY

www.genotypic.co.in

THE GENOMICS DIGEST

JAN 2026 EDITION

VOLUME 3
ISSUE 1

EDITOR'S NOTE

Welcome to the January 2026 Edition of The Genomics Digest!

The year began with strong momentum as January featured a mix of hands-on workshops, invited talks, conference participation, and focused webinars across genomics and allied domains. These engagements reflected Genotypic Technology's continued emphasis on knowledge exchange, practical learning, and meaningful scientific conversations.

This edition brings together the key highlights from January—capturing where we engaged, what we enabled, and how we continue to contribute to genomics-driven research and innovation.

Happy Reading!

THE GENOMICS DIGEST

Email: corpcomm@genotypic.co.in

Phone: +91-9900035744

Address: #2/13, Balaji Complex,
80 Feet Rd, R.M.V. 2nd Stage,
Bengaluru, Karnataka 560094

Website: www.genotypic.co.in

Hands-on Genomics at ICOrE-G 2026

Genotypic Technology successfully conducted a Pre-Conference Hands-on Workshop on Oxford Nanopore Technologies Sequencing as part of the International Conference on Organismal & Environmental Genomics (ICOrE-G 2026). The workshop was held at the Department of Bioengineering and Biotechnology, Birla Institute of Technology (BIT), Mesra on 4th January.

Participants gained practical exposure to Oxford Nanopore sequencing workflows, critical experimental considerations, and approaches to downstream data interpretation—effectively bridging theoretical concepts with real-world genomics practice. The session brought together researchers, faculty members, and students for an immersive, application-focused learning experience.

We thank the ICOrE-G 2026 organizing team and the enthusiastic genomics community at BIT Mesra for the engaging discussions and active participation. Genotypic Technology looks forward to continuing its efforts to enable hands-on genomics education across academic and research institutions.

Advancing Indian Genomics Through T2T Sequencing

Dr. Raja Mugasimangalam, CEO & Founder of Genotypic Technology, delivered a Plenary Lecture at the International Conference on Organismal & Environmental Genomics (ICOrE-G 2026) on Monday, 5th January 2026, held at the Birla Institute of Technology, Mesra.

Titled “A New Landmark in Indian Genomics: Telomere-to-Telomere Sequencing of Indian Basmati Rice,” the lecture highlighted a significant milestone in plant genomics, showcasing how telomere-to-telomere (T2T) sequencing approaches are enabling near-complete genome assemblies. The talk emphasized the importance of high-resolution genomic data in understanding crop biology, improving agricultural research, and strengthening India’s genomics capabilities.

The session sparked engaging discussions with researchers, academicians, and industry leaders, reinforcing the role of advanced long-read sequencing technologies in driving the next phase of genomics research in India.

A Scientific Dialogue at CMMDR 2026

The Cellular & Molecular Mechanisms of Development and Regeneration (CMMDR 2026) conference from 6th to 9th January, brought together researchers and scientists for four days of focused scientific exchange and discussion. The event created a vibrant platform for conversations spanning developmental biology, regeneration, and advanced life sciences research.

Genotypic Technology engaged with the research community to discuss sequencing solutions, integrated genomics workflows, and practical support tailored to developmental and regenerative biology applications. These interactions reflected the growing role of genomics in understanding complex biological mechanisms and advancing translational research.

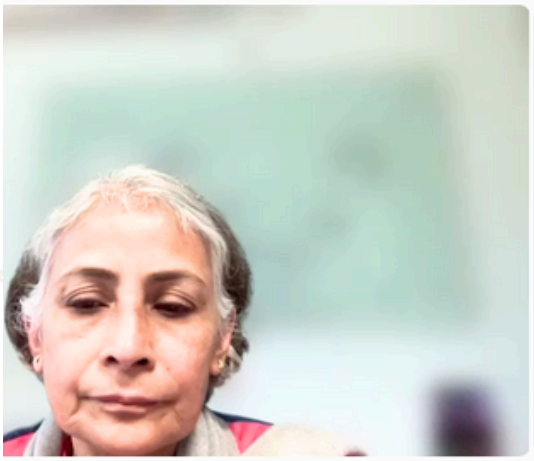
Held at the Shiv Nadar Institution of Eminence, Delhi-NCR, CMMDR 2026 enabled meaningful exchanges with researchers across disciplines. Genotypic Technology looks forward to continued interactions and deeper scientific discussions as the conference progresses.

Strengthening Genomics Surveillance Capacity at RMRC

Genotypic Technology conducted a hands-on workshop at RMRC, Bhubaneswar from 9th to 10th January, bringing together participants from AIIMS, Viral Research and Diagnostic Laboratories (VRDLs), and Government Medical Colleges. The session focused on practical capacity building for pathogen genomics and public health surveillance.

The workshop showcased **Genotypic's entire Genomics Ecosystem** **which covered the wet lab workflow for Dengue Whole Genome Sequencing (WGS), using Genotypic's GTnRich Panel, Oxford Nanopore sequencing platforms, and data analysis through Commander Software, Genotypic's integrated NGS analysis platform.** Participants gained hands-on exposure to end-to-end sequencing workflows—from sample processing to genomic data interpretation.

Such initiatives play a critical role in strengthening genomic surveillance capabilities and advancing public health research across institutions. Genotypic Technology remains committed to supporting national efforts through applied training and technology-driven solutions.



Webinar on Oxford Nanopore RNA Sequencing

On 27th January, Genotypic Technology hosted an exclusive webinar on Oxford Nanopore Technologies RNA Sequencing, highlighting how long-read and direct RNA sequencing are transforming transcriptomics and addressing key limitations associated with short-read approaches.

The session was led by Dr. Abinaya R, Senior Scientist at Genotypic Technology, with moderation by Dr. Sudha Rao, Ph.D, Co-founder & Executive Director, Genotypic Technology. The webinar provided expert insights into advanced RNA sequencing strategies, real-world applications, and emerging possibilities enabled by long-read technologies.

Designed for researchers and professionals exploring the future of transcriptomics, the session fostered meaningful discussion on how comprehensive RNA profiling is enabling deeper biological understanding and more accurate interpretation of transcript-level complexity.

Missed the live session? Watch the recording here: Scan the QR -

Genomics in Aquaculture and Fisheries Research

Genotypic Technology was pleased to participate in the AquaGenBiotech Workshop through an invited lecture delivered by Dr. Amol Date, Vice President, Genotypic Technology on 28th January. The session was held at the ICAR–Central Institute of Fisheries Education, Mumbai.

The lecture focused on the expanding role of genomics and advanced sequencing technologies in aquaculture and fisheries research. Key discussions highlighted how genomic tools are enabling improved understanding of aquatic species biology, supporting disease surveillance, and contributing to sustainable aquaculture practices.

Through such academic engagements, Genotypic Technology continues to support the application of genomics across diverse research domains, fostering knowledge exchange and strengthening capacity within the fisheries research ecosystem.

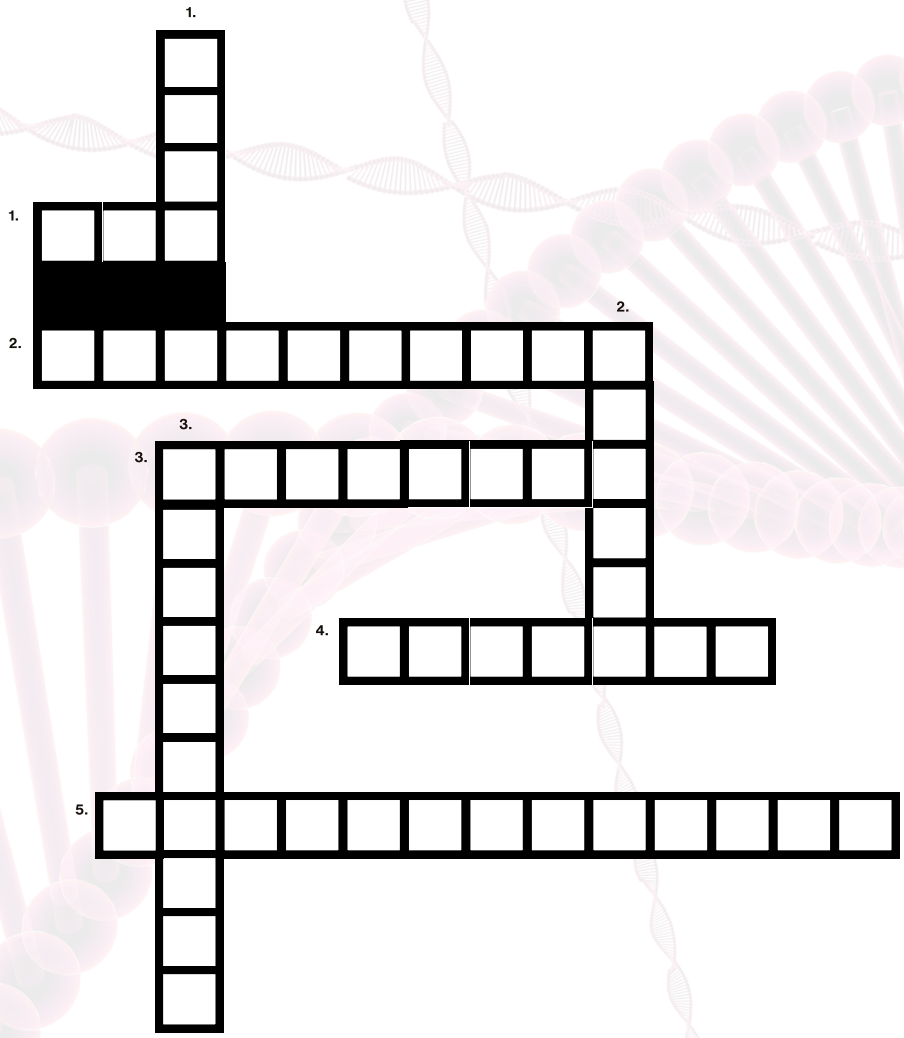
Genomics for Population and Conservation Research

Genotypic Technology participated in the International Conference on Population and Conservation Genetics, a platform that brought together experts working at the intersection of genetics, biodiversity, and conservation science. The conference was held from 28th to 30th January 2026 at the ICFRE – Institute of Forest Genetics and Tree Breeding, Coimbatore.

During the event, the Genotypic Technology team engaged with researchers, academicians, and conservation scientists to discuss sequencing technologies, genomics-driven conservation research, and end-to-end solutions supporting population and ecological genetics studies.

The interactions reinforced the growing importance of genomics in conservation science and highlighted opportunities for collaborative research aimed at preserving biodiversity through data-driven insights.

The Genome Grid:
A Crossword Puzzle



Across

1. The molecule that carries genetic information
2. Process of reading a DNA sequences
3. A change in DNA sequence
4. Biological molecule made of amino acids
5. The process of converting DNA to RNA

Down

1. RNA that helps make proteins
2. The complete genetic material of an organism
3. A laboratory tool consisting of a glass slide or silicon chip-dotted with thousands of microscopic spots of known DNA sequences.

The Genome Grid:
A Crossword Puzzle

Answer Key:

Across:

1. DNA
2. Sequencing
3. Mutation
4. Protein
5. Transcription

Down:

1. mRNA
2. Genome
3. Microarray

Oxford Nanopore
Official Distributor

Genotypic Technology
Phone: +91 9900035744
Email: genomics@genotypic.co.in
www.genotypic.co.in
#GenotypicTech

Genotypic
genomics simplified

CC_NL3(EN)_V3_January2026