

## CALIBRE Research Centre

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### Why in news?

Recently, NCBS and ICTS announce establishment of Centre for Artificial Learning and Intelligence for Biological Research and Education (CALIBRE).

- **CALIBRE** - It will be an ***interdisciplinary centre*** dedicated to advancing the integration of Artificial Intelligence (AI) in biological research, education and innovation.
- **Location** - Bengaluru, Karnataka.
- **Established jointly by** - National Centre for Biological Sciences (NCBS) + International Centre for Theoretical Sciences (ICTS) - both under the Tata Institute of Fundamental Research (TIFR).
- **Funding** - It will be set up from Reed India Consulting LLP, a private company in India that provides financial consulting services.
- **Primary objectives** -
  - Establish state-of-the-art infrastructure to harness the power of AI to transform biology research.
  - Develop advanced AI tools for basic, applied, and translational biology research.
  - Employ neuromorphic, brain-inspired computing approaches to advance AI technology.
  - Provide education and training to young Indian researchers to apply AI tools in biological research.
  - Create named Chair Professorships and Research Travel Fellowships to support biology research.
- **Areas of application** - It will cover a wide range of biological scales, from molecules to forest ecosystems, and apply AI to fields such as medicine, agriculture, public health, and ecology to provide science-based solutions.
- **Focus** - The initiative focuses on "***AI for Biology and Biology for AI***,"

will serve as the **national hub** where biological insight meets AI innovation.

## References

1. [The Hindu | NCBS + ICTS announce - CALIBRE](#)
2. [New Indian Express | Agreement signed, establish national AI centre](#)
3. [ICTS | CALIBRE](#)

