BioSpectrum
the business of Bi
24 years of leveraging the business of Bio
www.biospectrumindia.co

Plaksha University opens Anthem BioSciences Natureâ??s Machines Lab in Mohali

09 August 2024 | News

To inspire the next generation of scientists and leaders who will power on with sustainable solutions for the future



Plaksha University has announced the inauguration of the Anthem BioSciences Nature's Machines Lab, a pathbreaking facility dedicated to fostering experiential learning and interdisciplinary research in biosciences.

This lab, sponsored by Anthem BioSciences, is all set to make a significant impact on over 1,500 students in the next five years.

Part of the Havells Research Building at the Mohali campus, the Nature's Machines Lab spans approximately 1,500 square feet and is designed to connect students with the intricate machinery of the natural world.

The lab aims to promote ecological awareness and the application of biological concepts through modern tools, advanced research techniques, and interdisciplinary thinking.

This research lab is a hub for engaging neighboring communities, high school educators, and other stakeholders in developing biological literacy and stewardship.

Nature's Machines Lab will be equipped for following training and research activities:

Cell biology: Students will learn basic and advanced microscopic techniques that will allow them to study cells and their behavior.

Nanobiology: Students will learn to isolate, express-purify and analyse biomolecules – molecular machines – from various sources, which will enable them to study, characterize and understand the biological world at the nano scale.

Genetic Engineering: Students will learn to edit genes in bacteria and insect cells using conventional and CRISPR based techniques enabling them to design and produce cells with novel functionalities.

Environmental Monitoring: Students will analyse water and soil samples to assess environmental health, detect pollutants and develop measures to mitigate environmental risks at local and global level.

UG Research Projects: Students can innovate and engineer interdisciplinary solutions for challenges related to human and planetary health through their internship and capstone projects.