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The Oxford College of Science

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DEPARTMENT OF BIOCHEMISTRY

Event: Guest Lecture on CRISPR Technology and Its Applications
Date: 18th July 2024, Venue: Auditorium, Resource Person: Dr. Sanjay Ghosh, Associate Professor, IBAB Co-ordinators Ms Deepa Kumari G.B**, Assistant Professor, Organizing Secretary- Dr. Sangita Roy, Head, Department of Biochemistry.**
188 Students from MSc. Biochemistry/Biotechnology/Microbiology/Genetics participated in the Guest lecture.

Mechanism of CRISPR technology, is based on a natural immune defense system found in bacteria and archaea. Speaker explained that the system works in three primary stages such as adaptation where Bacteria store short segments of viral DNA (known as spacers) in their own genome between CRISPR sequences. These act as a molecular "memory" of previous infections. The lecture was a valuable educational experience of the students. & helped them to understand the subject in details and motivated them to pursue research in the same field.