

Report
Invited talk on
Genes, Genetic Disorders and Cancer

22 November 2024

Organized by

School of Studies in Biotechnology
&
Alumni Association of Biotechnology
Pt. Ravishankar Shukla University, Raipur (C.G.)

The School of Studies in Biotechnology, in collaboration with the Alumni Association of Biotechnology, Pt. Ravishankar Shukla University (PRSU), Raipur, organized an invited talk by **Dr. Jagat Kumar Roy**, Former Head and Professor of the Department of Zoology, Cytogenetics Unit, Banaras Hindu University (BHU), Varanasi on the topic "**Genes, Genetic Disorders, and Cancer**" on 22 November 2024.

The event commenced with a warm welcome, followed by the presentation of a sapling by **Prof. Keshav Kant Sahu**, Head of the School of Studies in Biotechnology, PRSU. Dr. Roy delivered a thought-provoking lecture, offering profound insights into the intricate relationships between genes, genetic mutations, and their roles in genetic disorders and cancer.

He provided a comprehensive overview of gene structure and function, delving into genetic disorders caused by mutations, chromosomal aberrations, and inherited conditions, with examples such as Cystic Fibrosis and Sickle Cell Anemia. Dr. Roy also addressed the field of cancer genetics, focusing on how genetic mutations and oncogenes contribute to uncontrolled cell growth, the critical role of tumor suppressor genes, and the influence of environmental factors and genetic predisposition in cancer development.

The event concluded with a vote of thanks delivered by Dr. Afaque Quraishi, Associate Professor of the School of Studies in Biotechnology, PRSU. As a token of appreciation, Prof. Keshav Kant Sahu presented Dr. Roy with a memento for his insightful presentation.

This talk was a testament to the ongoing efforts of the Alumni Association and the School of Studies in Biotechnology to foster knowledge exchange and inspire innovation in the fields of genetics and biotechnology.

Glimpses





School of Studies in Biotechnology

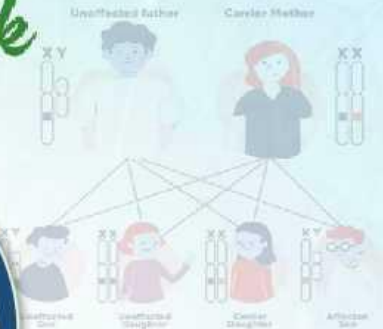


**&
Alumni Association of Biotechnology**

Pt. Ravishankar Shukla University, Raipur 492 010 (C.G)

*Organising
Invited talk*

By



Dr. Jagat Kumar Roy

Former Head & Professor
Department of Zoology
Cytogenetics Unit, BHU, Banaras

On

Gene, Genetics Disorders and Cancer



22 Nov 2024,



11:15 AM



Seminar Hall, SoS in Biotechnology, PRSU