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Press Release

Interdisciplinary approach must to address complex scientific questions, says former DG CSIR at JMI

-      Artificial Intelligence can improve treatment strategies to uplift human lives

-      Data analysis in clinical sciences will improve diagnosis and treatment of medical conditions in the coming years

Professor Samir K Brahmachari, former Director General CSIR and Founder Director of IGIB stressed on the need of interdisciplinary approach to address the complex scientific questions.

Speaking about the Human Genome Project (HGP) he said that it transformed the life sciences research in particular and healthcare in general. He also highlighted the outcomes and new avenues arising from HGP.

Prof. Brahmachari was speaking at a Public Lecture organised by the Department of Biotechnology, Jamia Millia Islamia(JMI) titled "Role of Medicine in Post Genomic Era, Big Data, Artificial Intelligence" on 29th November 2019 as a part of distinguished lecture series for the Centenary celebrations of the university.

Professor Bhrahmachari began his lecture by introducing the audience about the breakthrough of science in post DNA-Era.

Professor Brahmachari further talked about talked about how genomics flourished the foundation of pharmacogenomics and personalized medicine.

Speaking about his project- Open Source Drug Discovery (OSDD) Prof. Brahmachari said the concept was to collaboratively aggregate the available biological and genetic information of M. tuberculosis, buried in literature to facilitate use and hasten the drug discovery process using systems biology platform. OSDD is world's first crowd sourcing project led by Indian scientist.

Later, he addressed the impact of Big Data analysis in clinical sciences and how diagnosis and treatment of medical conditions can improve in the coming years.

Talking about Artificial Intelligence(AI) and its role in medicine Prof. Brahmachari talked about how AI can improve treatment strategies to uplift human lives. He emphasized on how use of AI could help in accelerated drug discovery process.

He ended this lecture by encouraging JMI students to actively participate and collaborate with him in his future projects.

The lecture was chaired by Professor M. Sami Dean, Faculty Natural Sciences, JMI. The welcome address by was given by Professor Seemi Farhat Bashir, Dean Students Welfare.

Professor Brahmachari was welcomed by HoD Biotechnology Prof. Mahfuzul Haque.

The lecture was attended by faculty members, students and researchers not only from Department of Biotechnology, but also people from other departments and universities.

The lecture ended with a vote of thanks by Prof. Mahfuzul Haque.

Ahmad Azeem
PRO-Media Coordinator