

**Brief Report on the Expert Lecture entitled “Introduction to Protein Structure, Functions and Evolution”**

2 messages

Head Bio-Sciences &lt;headbios@iul.ac.in&gt;

Thu, Mar 10, 2022 at 4:15 PM

To: IT HelpDesk Integral University &lt;ithelpdesk@iul.ac.in&gt;, IT HelpDesk IU &lt;ithd@iul.ac.in&gt;

**Brief Report On the Expert Lecture**

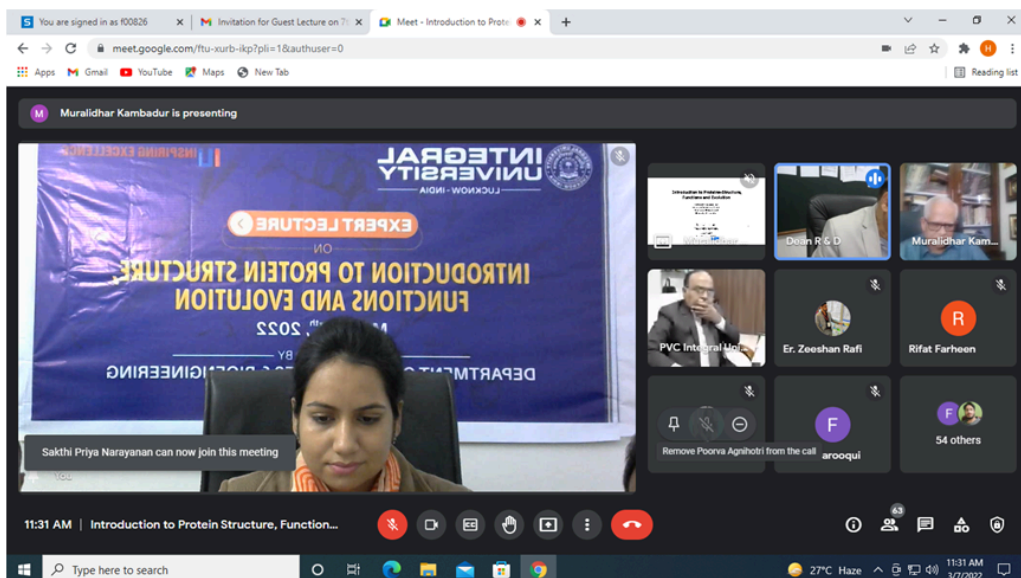
“Introduction to Protein Structure, Functions and Evolution”  
Organized by Department of Biosciences & Bioengineering  
Integral University, Kursi Road, Lucknow, India  
on March 07, 2022

The Department of Biosciences and Bioengineering organized an Expert Lecture on 7<sup>th</sup> March 2022 through a virtual platform (Google meet). The Expert speaker was Prof. K. Muralidhar, Advisory Board Member, Inter-University Centre for Teacher Education, Banaras Hindu University, Varanasi.

The Topic of the lecture was **Introduction to Protein Structure, Functions and Evolution**. Prof. Sher Ali, Dean, Academics, R&D, and Head, Department of Biosciences welcomed the speaker. He informed that Prof. Muralidhar is an eminent scientist and elaborated on the importance of proteins in the understanding of the Central Dogma of Molecular Biology. Dr. Namrata Mitra introduced the eminent speaker to the audience. Prof. Muralidhar introduced protein chemistry, its types, structural levels, and various functions. He also presented the history of enzymes and their regulation. During his talk, he was more focused upon the current understanding of enzymology and explained it through many examples. He discussed the hypothesis of fusing of the carboxyl-terminal peptide of human chorionic gonadotropin  $\beta$ -subunit at the termini of the buffalo FSH  $\beta$ -subunit coding sequence which improves its integrity and functionality. While presenting about the chemical evolution, he informed that the diversity of bio-molecular composition is very small among animals. But it is significant among microbes and plants. To delineate the evolutionary path for such entities is a formidable task not yet achieved for even a single group. He urged the researchers of the University to ponder upon the biochemical description of homology and analogy.

The lecture was attended by more than 100 participants from the Department of Biosciences and Bioengineering including Prof. Aqil Ahmad, Advisor to Hon’ble Chancellor, Prof. Haris Siddiqui, Registrar, Prof. Abdul Rahman Khan, COE, and other distinguished faculty members. The event was concluded with a vote of thanks presented by Prof. Iffat Zareen, Professor, Department of Bioengineering. The event was coordinated by Dr. Mohammad Ashfaque, Assistant Professor, Department of Biosciences, and Dr. Alvina Farooqui, Head, Department of Bioengineering.

Following are some memorable glimpses of the expert lecture.



Meeting interface showing a presentation slide titled "Box 2 Wöhler's synthesis of urea". The slide lists reagents: Silver Isocyanate, Ammonium Chloride, and Urea. It includes a ball and stick model of urea and a chemical reaction diagram showing the synthesis of urea from silver isocyanate and ammonium chloride.

Participants visible in the grid:

- Sayyed Hira M...
- Dean R & D
- Muralidhar Kam...
- PVC Integral Univ...
- Er. Zeeshan Rafi
- Mohd Imran
- Kitr
- Mohd Imran and Sayyed Hira Moeed have raised hands

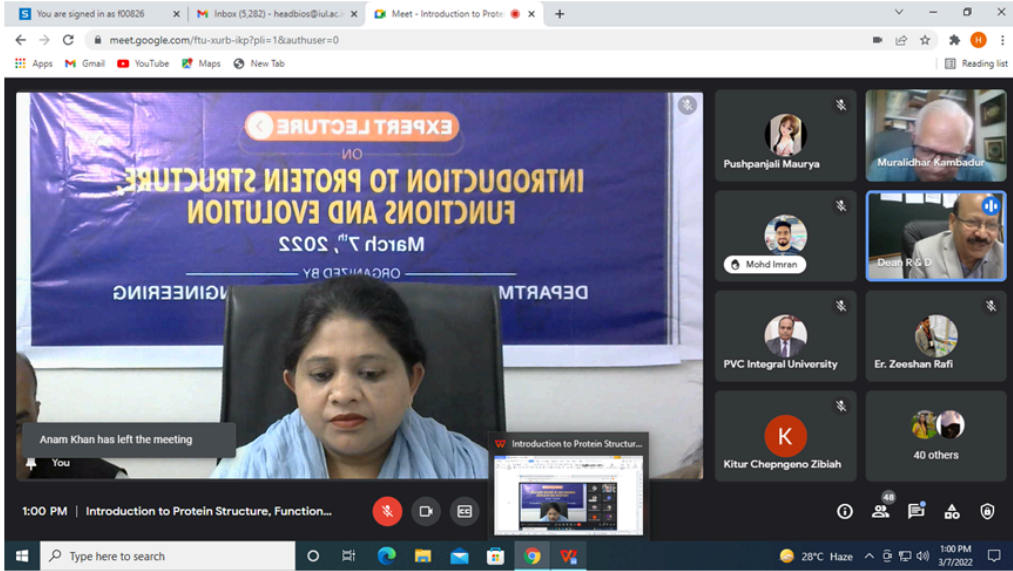
Time: 11:50 AM | Introduction to Protein Structure, Functio...

Meeting interface showing a grid of participants. The presentation slide is still visible in the bottom right corner.

Participants visible in the grid:

- Kitur Chepngeno Zibiah
- Dean R & D
- Muralidhar Kambadur
- Mohd Imran
- Sayyed Hira Moeed
- PVC Integral University
- Er. Zeeshan Rafi
- 54 others

Time: 12:51 PM | Introduction to Protein Structure, Functio...



Best Regards,  
Prof. Sher Ali  
Head, Biosciences Department,  
(A DST-FIST sponsored department),  
Integral University,  
Dasauli, Kursi Road,  
Lucknow-226026.

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Fri, Mar 11, 2022 at 8:50 PM

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