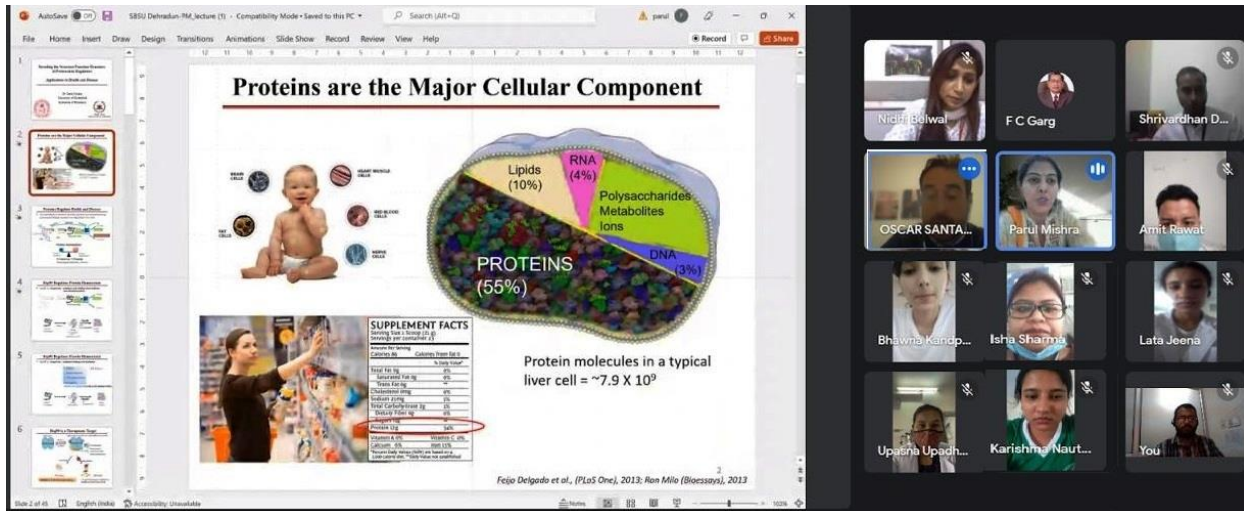


# Sardar Bhagwan Singh University organized “International Lecture Series-2022” on Current Advances in Microbiological Research



Sardar Bhagwan Singh University, Dehradun organized online “International Lecture Series-2022” on Current Advances in Microbiological Research-Avenues in Agricultural & Medical Microbiology on Saturday 23<sup>rd</sup> April, 2022.

Prof. F. C. Garg (SBS University, Dehradun, Uttarakhand), Dr. Parul Mishra (University of Hyderabad, India) and Dr. Oscar Santamaria (University of Valladolid, Spain) were the keynote speakers.

Dr. Nidhi Belwal (Associate Professor and Coordinator, Department of Microbiology) welcomed all the speakers with a brief note on their profiles. The program was inaugurated by Prof. Veerma Ram (Officiating Vice Chancellor) of the University. In his inaugural address, Prof. Veerma Ram focused on the importance of microbiological research in the identification of proteins related to disease, development of biofertilizers, bioherbicides, biopesticides and congratulated all the members of the organizing committee.

During the lecture, Prof. F. C. Garg delivered a lecture on “Soil Intensive Nutrition Management”.

Dr. Parul Mishra discussed the importance of “Structure-Function Dynamics of Proteostasis Regulators and their role in health & diseases”. Finally, international speaker Dr. Oscar Santamaria delivered a lecture note on “Use of fungal endophytes to improve crop productivity”. Post lectures, all the speakers were interacted with the participants. More than 100 attendees participated

from Dubai, Uttarakhand, New Delhi, Orissa, Punjab and Himachal Pradesh in the lecture virtually. Dr. Shreevardhan Dheeman thanked all the speakers, participants and management for their co-operation. Dr. Deepanshu Rana & Mr. Vishal Warikoo coordinated the program. E-certificates will be given to all the participants.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following content:

### Challenges with *in vitro* Analysis of Hsp90 Function

- Hsp90 clients are unstable and tend to aggregate *in vitro*
- Efficient Hsp90 function requires assistance from many different co-chaperones which is difficult to recapitulate *in vitro*

The slide includes a diagram of a protein complex with labels: 'unfolded co-chaperones', 'client', and 'ATPase activity for client denaturation' (with a red 'X' over it). Below the diagram, it states: 'Our aim was to develop a system to analyze the ATPase mechanism *in vivo*'.

The Zoom interface shows a grid of participants on the right, including Microbiology SB..., Parul Mishra, Namrata Singh, Shivwardhan Dh..., Shivani Patwal, Alok Malhani, saundarya deep..., chitra rawat, vishal rajput, Karishma Naudi..., Sakshi Gairola, shalija sharma, Dr Pooja Naudiyal, Lata Jeena, Bhawna Kandpal, Bhawna Pandey, Dr. Santosh Kum..., Mohammad Abu..., Aman Negi, SHREYA NEGI, Nishi kulkreja, and 16 others.

The screenshot shows a Zoom meeting interface. The main window displays a presentation slide with the following content:

UNIVERSITY OF VALLADOLID  
SPAIN

### International Lecture Series (2022)

### CURRENT ADVANCES IN MICROBIAL RESEARCH

Lecture by Oscar Santamaria:  
Use of fungal endophytes to improve crop productivity: potential applications, strengths and weaknesses

The Zoom interface shows a grid of participants on the right, including OSCAR SANTAMARIA BECERRIL, ankit verma, Lata Jeena, chitra rawat, Upasna Rajadhyay, Stuti Dobhal, Harleen Kaur, vishal rajput, Aman Negi, Bhawna Pandey, F C Garg, Karishma Naudiyal, SHREYA NEGI, and 13 others.