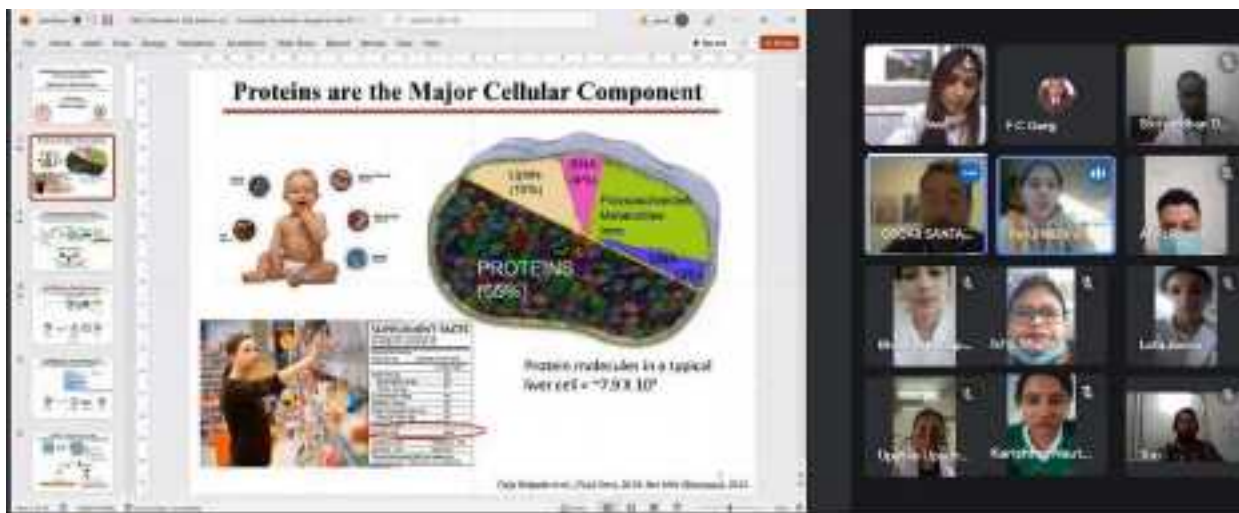


Sardar Bhagwan Singh University organized “International Lecture Series-2022” on Current Advances in Microbiological Research



Sardar Bhagwan Singh University, Dehradun organized online “International Lecture Series-2022” on Current Advances in Microbiological Research-Avenues in Agricultural & Medical Microbiology on Saturday 23rd 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 image is a screenshot of a Zoom meeting interface. The main window displays two presentations. The top presentation, titled "Challenges with *in vitro* Analysis of Hsp90 Function", lists two points: "Hsp90 clients are unstable and tend to aggregate in vitro" and "Efficient Hsp90 function requires assistance from many different co-chaperones which is difficult to recapitulate in vitro". It includes a diagram of a protein being added to a mixture, with a crossed-out arrow indicating that the mixture is not stable. The bottom presentation, titled "Use of fungal endophytes to improve crop productivity: potential applications, strengths and weaknesses", is by Oscar Santamaría and is part of the "International Lecture Series (2020)". The right side of the screen shows a grid of participant video feeds. The bottom of the screen shows the Zoom control bar with icons for mute, video, chat, and other functions.

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

Our aim was to develop a system to analyze the ATPase mechanism *in vivo*

International Lecture Series (2020)

CLARITY AGGRES IN AGRICULTURAL RESEARCH

Lecture by Oscar Santamaría

Use of fungal endophytes to improve crop productivity: potential applications, strengths and weaknesses