Alumni Association of Biotechnology School of Studies in Biotechnology

Pt. Ravishankar Shukla University, Raipur 492 010 Chhattisgarh

Cordially invites you to witness

Popular Lectures *cum* Interactive Sessions with our Esteemed Alumni

Title: Recent Advances in RNA Biology 21 July 2023, 11:15 to 11:55 am





Lecture Link

Dr. Rohini Nair Faculty

Gujarat Biotechnology University, Ghandhinagar, India

Offline Lecture 21 July 2023, 12:10-01:30 pm

Title: Habitat Adapted Fungal Endophytes can Ameliorate Abiotic and Biotic Stress in Melons



Dr. Vineet Meshram Research Scientist

Department of Plant Pathology & Weed Research The Volcani Institute, Agricultural Research Organization, Rishon LeZion, Israel

Venue: Seminar Hall, SoS in Biotechnology

Report on Guest Lecture on the topic: "Recent Advances in RNA Biology"

21st July 2023

Organized by Alumni Association of Biotechnology

Supported by School of Studies in Biotechnology Pt. Ravishankar Shukla University, Raipur, Chhattisgarh

On **21st July 2023**, Alumni Association of Biotechnology, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, Chhattisgarh, organized a popular lecture titled **"Recent Advances in RNA Biology"** by **Dr. Rohini Nair**, a faculty member at Gujarat Biotechnology University, Gandhinagar, India. The aim is to provide participants with valuable insights into the latest developments in the field of RNA biology. Dr. Rohini Nair, an esteemed expert in the domain, delivered a thought-provoking and enlightening online guest lecture.

Ms Ankita Rathi hosted this session and our head of the department **Dr. Keshav Kant Sahu** presented a warm welcoming to our esteemed guest **Dr Rohini Nair.** A total of 50 participants, including faculty member, alumni members, PhD scholars and M. Sc students, students with respective to other departments and Institute, had been interactively joined the meeting it was an online interactive session going on.

She initiated the session by providing a comprehensive overview of RNA molecules' structure and their pivotal roles in cellular processes. The lecture extensively covered RNA multiplexing and its methodological approach, including the existence of mRNA multiplex in both eukaryotes and prokaryotes. The proteins involved in mRNA multiplexing were also discussed, along with the significant impact of histone proteins (H₄) on reducing mating efficiency. Additionally, she captivated the audience by highlighting the emerging importance of long non-coding RNAs (lncRNAs) in gene regulation. The lecture further explored recent advances in understanding the dynamic interactions between RNAs and proteins, shedding light on the underlying molecular mechanisms involved. She concluded with recent findings on the functional roles of RNA-based technological advances and their potential as diagnostic and therapeutic targets.

Following the presentation, participants engaged in a lively and engaging questionand-answer session, allowing them to seek clarification and delve deeper into specific aspects of RNA biology. Dr. Nair's expertise and articulate responses contributed to a valuable exchange of ideas, making the interactive session highly enriching.

All specific doubts and queries are asked related to this techniques and this field. After that, **Ms Ankita Rathi** presented vote of thanks to **Dr Rohini Nair** for providing their value source of knowledge with us.

Overall, the lecture was a resounding success, showcasing the immense significance of RNA research in advancing our understanding of cellular processes and their implications for human health and disease. The organizers and Dr. Rohini Nair deserve commendation for orchestrating such an enlightening and insightful academic event.



Glimpses of the day













