

Workshop Report

International Immunology Day 2023

Date: 29th April, 2023

Objective of the Workshop

- To raise awareness about the importance of immunology and the immune system in health and disease.
- To educate students and the community on the concept of herd immunity and the science behind immune responses.
- To promote community engagement through scientific sessions, skits, and voluntary health initiatives like blood donation.

Target Audience

- University students, faculty members, and participants from:
 - Dimoria College, Khetri
 - Arya Vidyapeeth College
 - Dispur Paramedical and Nursing Institute

Number of Participants

- Around **100 participants** attended the event.

Workshop Highlights

Invited Talk:

Dr. Aniruddha Jakharia, Scientist C at ICMR-Regional Medical Research Centre, Dibrugarh, delivered an insightful and interactive session on the topic *Herd Immunity*. Addressing both students and faculty members, he began by explaining the fundamental concept of herd immunity and progressively delved into the mechanisms of how the human body generates immune responses to various pathogens. He elaborated on the role of immune memory, the process of designing immunodiagnostic assays, and emphasized the significance of the R_0 factor explaining how it varies across populations and pathogens. The session was both informative and engaging, enriching participants' understanding of immunological principles and their real-world applications. Followed by a Q&A session and concluding remarks by Dr. Monika Soni

Skit Performance: By 2nd Semester M.Sc. students from Department of Biosciences, demonstrating the role of T-helper and T-cytotoxic cells in immune defense.

Blood Donation Camp:

The blood donation camp was conducted by a team of doctors from the District Hospital, Sonapur. A total of 25 volunteers came forward to donate blood.

General Health Screening: Included checks for height, weight, sugar level, hemoglobin, pulse, and oxygen saturation, conducted by Biosciences students.

Impact on Participants / Feedback

- The event provided a comprehensive understanding of immunity and its relevance in public health.
- Participants appreciated the combination of academic learning with hands-on public service.
- The skit and health screenings added an experiential learning dimension, making the scientific content accessible and memorable.

Photographs

