



National Service Scheme (NSS) Unit
Govt. Degree College, Kulgam

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International Seminar on “HIV and Coronavirus Immune Evasion and Rational Vaccine Strategies” on 3rd December-22”

About the Speaker:

Raiees Andrabi | Institute Investigator
Scripps Research, La Jolla, CA



 Scripps
Research

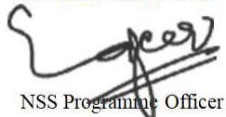
Raiees Andrabi is an Institute Investigator in the Department of Immunology and Microbiology at The Scripps Research Institute. Raiees Andrabi earned his PhD degree from the All India Institute of Medical Sciences in Biochemistry and performed his postdoctoral work in Dennis Burton’s laboratory at The Scripps Research Institute. A major focus in his laboratory is to utilize *in vitro* directed evolution platform combined with structure-guided design approaches to develop vaccine immunogens against complex pathogens such as HIV, Arenaviruses and Coronaviruses. The other major area of research in his laboratory is to understand the immunological basis of B cell affinity maturation pathways to complex antigen surfaces, both in vaccination and in infection and to utilize this information for designing more effective vaccines. The overall goal is to design vaccine immunogens and immunization strategies that can induce protective broadly neutralizing antibody responses against complex pathogens through vaccination in humans. The Andrabi lab receives funding from the National Institutes of Health and The Bill and Melinda Gates Foundation.

HIV and Coronavirus Immune Evasion and Rational Vaccine Strategies- Final Report

As part of the World AIDS Day 2022 celebrations, National Service Scheme (NSS) Unit and Red Ribbon Club of the College organised a one-day International seminar on “HIV and Coronavirus Immune Evasion and Rational Vaccine Strategies” on 3rd December, 2022. The event was held in the College Conference Hall and saw the participation of around 90 students and NSS volunteers besides members from the faculty. Since the event was held in hybrid mode, a good number of participants and scholars were connected virtually via Zoom Meetings to attend the session. The proceedings of the event were conducted by Dr Mohammad Iqbal Rather, HOD Biochemistry. NSS Programme Officer and Nodal Officer RedRibbon Club, Dr Safeer Ahmed Bhat presented the Introductory remarks and held that in order to end AIDS it was imperative to give emphasis on spreading awareness about the HIV epidemic, speaking up against HIV stigma, and calling for an increased response to move towards ending HIV. Chief Guest on the occasion, Principal of the College, Prof (Dr.)

Manzoor Ahmad Lone, formally inaugurated the proceedings of the seminar and presented the Welcome Address. He emphasized on the need to speak up for the rights of AIDS patients and ending social stigmatization. Keynote address was presented by Dr Raiees Andrabi, Institute Investigator in the Department of Immunology and Microbiology at Scripps Research institute USA, via Zoom. The speaker thoroughly deliberated on the theme and talked about the broader aspects of HIV Prevention and the Rational Vaccine Strategies thereof. The resource person focussed on the causes, mode of transmission, clinical manifestations, management and prevention of HIV/AIDS. He described AIDS as one of the major health problems of the modern era. From genetic diversity, Neutralising Antibodies and Reverse vaccinology 2.0 to the Variants of Concern (VOC) and HIV vaccine trials, the Viruses responsible for causing AIDS and SARS were explained morphologically, anatomically as well as physiologically. It was concluded that mRNA vaccine platform is safe, effective, rapidly deployed and flexible for the patients but durability of response is still a potential issue. Audience applauded the speaker for his address. A question-answer session followed in which students raised some important questions. The event concluded with the formal vote of thanks, presented by Dr Mohammad Iqbal Rather.

Dr. Safeer Ahmad Bhat



NSS Programme Officer



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2. Project Director, JK AIDS Control Society for information
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