Title of story:

Immunology of COVID-19 in Indian population: Implications for vaccine design

Institute Name:

National Institute of Immunology

Brief Story in 400 words maximum:

The National Institute of Immunology is actively progressing to support the development of vaccines for COVID-19. Vaccine is the most preferred preventive measures to protect from COVID-19. However, there are several uncertainties and questions that need to be answered to evaluate a vaccine for human use, particularly, (i) what should be the criteria to qualify a vaccine candidate, (ii) what should be the mechanism of action of a good vaccine, and (iv) how long a particular vaccine will provide the protective cover. These questions could be addressed by applying the advanced human immunology investigations on the COVID-19 patients' samples. Team NII is ready with the advanced immunology setup for addressing these questions in COVID-19 patients. The team is also actively working on developing the platform for evaluating the COVID-19 vaccine. The program is recently supported under the DBT and BIRAC joint efforts in COVID-19 National Consortium. The efforts will be accelerated as soon as the patients' samples are available from the DBT COVID-19 research Consortium constituted to collect the COVID-19 patients' samples from around 8 clinical centers across the Delhi-NCR

Contact Person & Contact Details:

Dr. Amulya K Panda ; Email Address: amulya@nii.ac.in