Research Outcomes & Limitations
8a. Research Outcomes

• NA gene sequences of influenza A(H1N1) and (H3N2) virus isolates from the study forms a data bank for future studies on vaccine and drug design. A total of 50 sequences have been submitted to GenBank.

• The study detected five new catalytic site mutations and six new antigenic site mutations in NA sequences of influenza A(H1N1) and (H3N2) virus isolates.

• A novel VLP containing four influenza viral proteins (HA, N1, N2, and M) was developed and shown to be immunogenic in mouse model.

8b. Limitations of the study

• Number of NA sequences used for analysis in a few seasons was less due to decreased circulation and isolation of viruses.

• Virus challenge studies in mouse model could not be performed.
Awards & Publications

9a. Awards

- Lars Haasehim Travel fellowship award for attending School of Influenza 2016, organized by ISIRV at Siena, Italy, April 11-16.

- Best poster presentation award in biological science field at the Indo-French Seminar on “Women in Science” held at Indian Institute of Science, Bangalore, India, February 2015.

- Travel fellowship by the Indian council of Medical Research (ICMR) to attend the International union of microbiological societies, held at Montreal, Canada, May 2014.

9b. Publications


9c. Patent

Work done as part of the second objective is being filed for patent.