Methods for measuring virus genetic mutation patterns

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Technology description

The Technology
A method that measures virus mutation patterns through regular input of viral sequences. The method is able to determine the effective mutation period of amino acids and the position of driver mutations of infectious disease epidemics. The invention has 3 applications: (1) Identification of "effective mutation" and "effective mutation period" for accurate vaccine strain design in early stage; (2) A platform of real-time vaccine strain matching evaluation; (3) A real-time forecasting tool for influenza or other infectious diseases epidemic and pandemic activity through molecular information and meterological factors.
This invitation of expression of interest is without prejudice. We also stress that this invitation is not a tender, and the University is not bound to accept any offer, or to accept the highest monetary offer, as there are additional considerations (such as the widest possible benefit to the community) that we, as a public institution, will need to take into consideration.

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