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## **Advancement in the Viral Vaccine for HRSV by Reverse Vaccinology**

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The world is facing a burden of infectious diseases like measles, swine flu, acute respiratory infections, typhoid and tuberculosis. Among them most common problem is bronchiolitis and pneumonia which is caused by human respiratory syncytial virus (HRSV). Despite of intensive research over the decades, medical therapy has remained unchanged and controversial. Human respiratory syncytial virus (HRSV) belongs to the family paramyxoviridae. In the present review, earlier attempts for HRSV vaccine discovery and modern treatment option for HRSV infection by reverse vaccinology (RV) approach is discussed, which helps in systematic analysis of sequences, structure and interaction of the proteins involved in virus life cycle and stimulating protective immunity. This review provides evidence that RV is an evident approach to design vaccine for HRSV. We expect that RV will provide a number of candidate antigens for new vaccine to control and eradicate HRSV infections. It is to be hoped that will make RSV vaccines accessible and affordable worldwide.