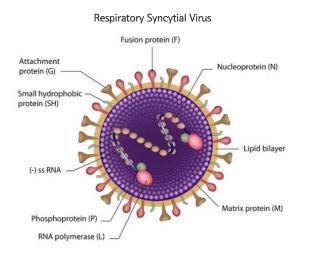
Respiratory Syncytial Virus Vaccine

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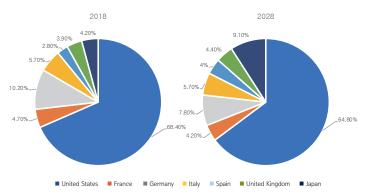
Respiratory Syncytial Virus & Pre F- protein

RSV infection causes bronchitis and pneumonia in infants, the elderly, and immunocompromised patients, and is a great threat to neonatal rooms and postpartum care centers, since they are easily transmitted by contact and respiratory droplets.



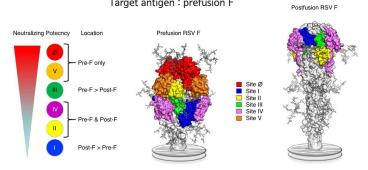
Estimated Market

RSV : Opportunity Analysis and Forecasts to 2028 (Globaldata, July, 2019)

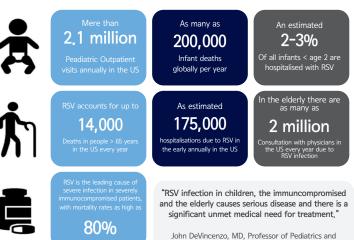


- The size of the RSV vaccine and treatment market is expected to grow from \$418,6mn in 2018 to \$5,39bn in 2028 at a CAGR of 29,1%.
- Currently, Synagis of AstraZeneca/AbbVie is a Mab drug licensed for the prevention of RSV infection in infants, but it is used only for urgent infants due to limited application at a very high price.

Target antigen : prefusion F



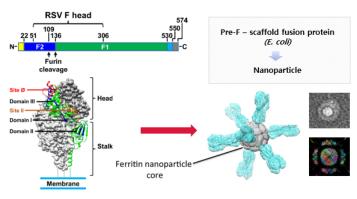
Respiratory Syncytial Virus Infection



Professor of Microbiology, Immunlogy, and Biochemistry, University of Tennessee School of Medicine

Nanoparticle RSV Vaccine

We develop Nanoparticle RSV vaccine based on the fusion of Stable pre-F protein and scaffold protein produced in E. coli.



Patent Classify Patent name Number Date Domestic application AMethod for enhancing soluble expression of target proteins by application 10-2019-0171057 2019,12,19 using fusion protein of WHEP

domain