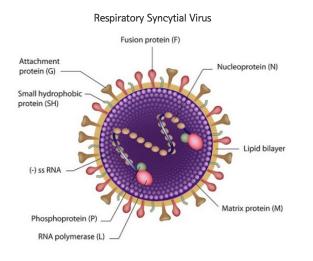
# **Respiratory Syncytial Virus Vaccine**

# CLIPS BOC BIO&CRO

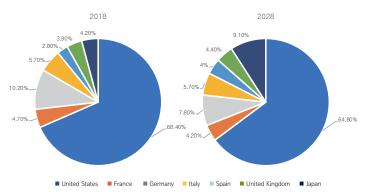
## Respiratory Syncytial Virus & Pre F- protein

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.



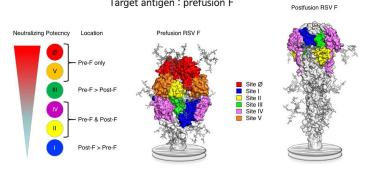
#### **Estimated Market**

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

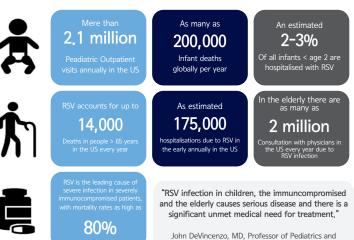


- The size of the RSV vaccine and treatment market is expected to grow from \$418,6mn in 2018 to \$5,39bn in 2028 at a CAGR of 29,1%.
- Currently, Synagis of AstraZeneca/AbbVie is a Mab drug licensed for the prevention of RSV infection in infants, but it is used only for urgent infants due to limited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

Target antigen : prefusion F



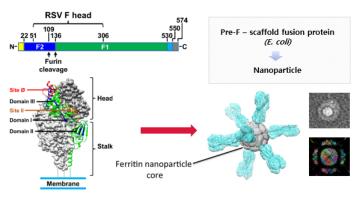
# **Respiratory Syncytial Virus Infection**



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