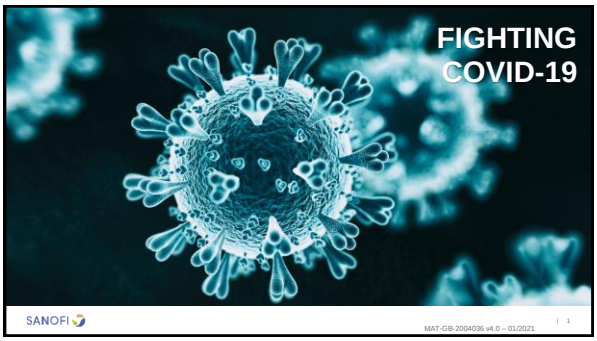
FIGHTING
COVID-19
SANOFI
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At Sanofi Pasteur, we aim to help control the COVID-19 pandemic through our:
Science in vaccine development
Large-scale manufacturing and supply capacities
Commitment to populations worldwide
SANOFI PASTEUR
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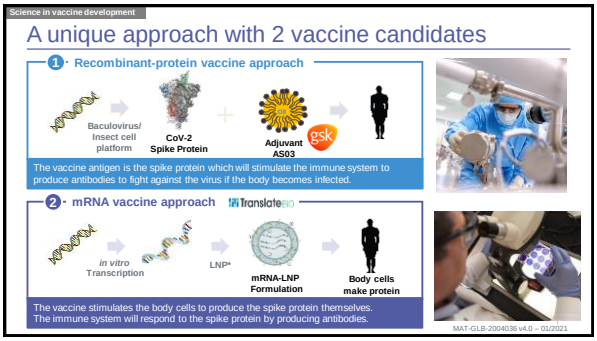
Science in vaccine development
A unique approach with 2 vaccine candidates
1 · Recombinant-protein vaccine approach
Baculovirus/ Insect cell platform
CoV-2 Spike Protein
Adjuvant AS03
gsk
The vaccine antigen is the spike protein which will stimulate the immune system to produce antibodies to fight against the virus if the body becomes infected.
2 · mRNA vaccine approach
Translate bio
in vitro Transcription
LNP*
mRNA-LNP Formulation
Body cells make protein
The vaccine stimulates the body cells to produce the spike protein themselves. The immune system will respond to the spike protein by producing antibodies.
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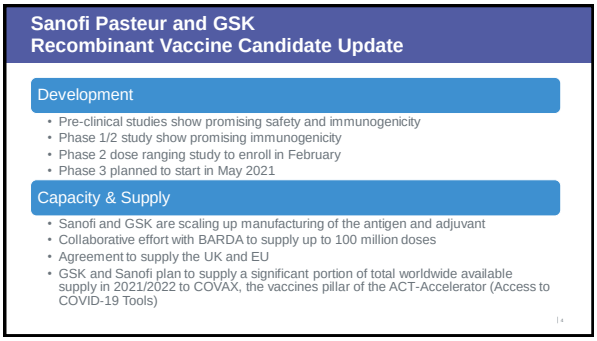
Sanofi Pasteur and GSK
Recombinant Vaccine Candidate Update
Development
• Pre-clinical studies show promising safety and immunogenicity
• Phase 1/2 study show promising immunogenicity
• Phase 2 dose ranging study to enroll in February
• Phase 3 planned to start in May 2021
Capacity & Supply
• Sanofi and GSK are scaling up manufacturing of the antigen and adjuvant
• Collaborative effort with BARDA to supply up to 100 million doses
• Agreement to supply the UK and EU
• GSK and Sanofi plan to supply a significant portion of total worldwide available supply in 2021/2022 to COVAX, the vaccines pillar of the ACT-Accelerator (Access to COVID-19 Tools)
4

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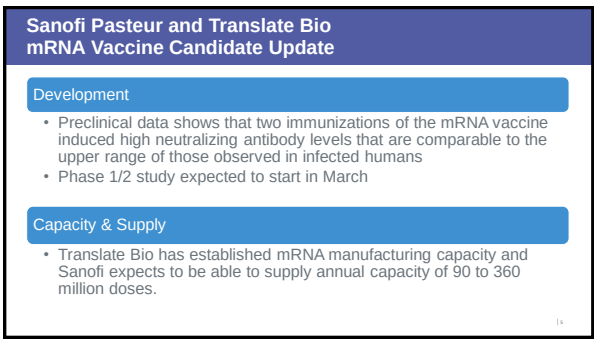
Sanofi Pasteur and Translate Bio
mRNA Vaccine Candidate Update
Development
• Preclinical data shows that two immunizations of the mRNA vaccine induced high neutralizing antibody levels that are comparable to the upper range of those observed in infected humans
• Phase 1/2 study expected to start in March
Capacity & Supply
• Translate Bio has established mRNA manufacturing capacity and Sanofi expects to be able to supply annual capacity of 90 to 360 million doses.
5

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THANK YOU
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Photo credits:
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