From lead to pre-clinical candidate and proofof-concept in small-animal and nonhuman primate models





Leads



Roger Le Grand Academic Lead, CEA



Helen Fletcher Industry Lead, Janssen

Key Objectives of WP 6

- ADME & PBPK evaluation of lead compounds before in vivo studies
- In vivo efficacy of lead compounds in small rodents (mouse, hamster incl. transgenic mice) expressing human ACE2. Evaluation of most promising leads for efficacy and safety in Non-Human Primate (NHP) model

CONNECTIONS

with other work packages



Work package 1-3

Perform proof of concept/in vivo efficacy and safety evaluation of lead small molecules discovered in WP1-3, as well as evaluating ADME/PK properties

Work package 4

Perform proof of concept/in vivo efficacy and safety evaluation of antibodies discovered in WP4, as well as evaluating ADME/PK properties



Information correct as of: 10/10/2024

BREAKTHROUGH moments

- 2020 Establishment of hACE2-KI, K18 mouse models and the Syrian Hamster model against SARs-COV-2
 2021 Non-human primate model for SARS-CoV-2 infection and disease is fully characterised and knowledge disseminated to the community
- 2021-4 Evaluation of efficacy of multiple small molecules and antibodies in-vivo against SARS-CoV-2 (multiple variants)

PUBLIC DELIVERABLES

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D6.1 Report on rodent models (Nov 2020) D6.2 Report on suitability of mouse adapted SARS-

CoV-2 virus for lethal humanised ACE-2 model (March 2021)

D6.3 Report on reverse genetics system (Sept 2020) D6.7 Report on rodent model (Mar 2021) D6.11 Harmonisation SOP across WP1-7

