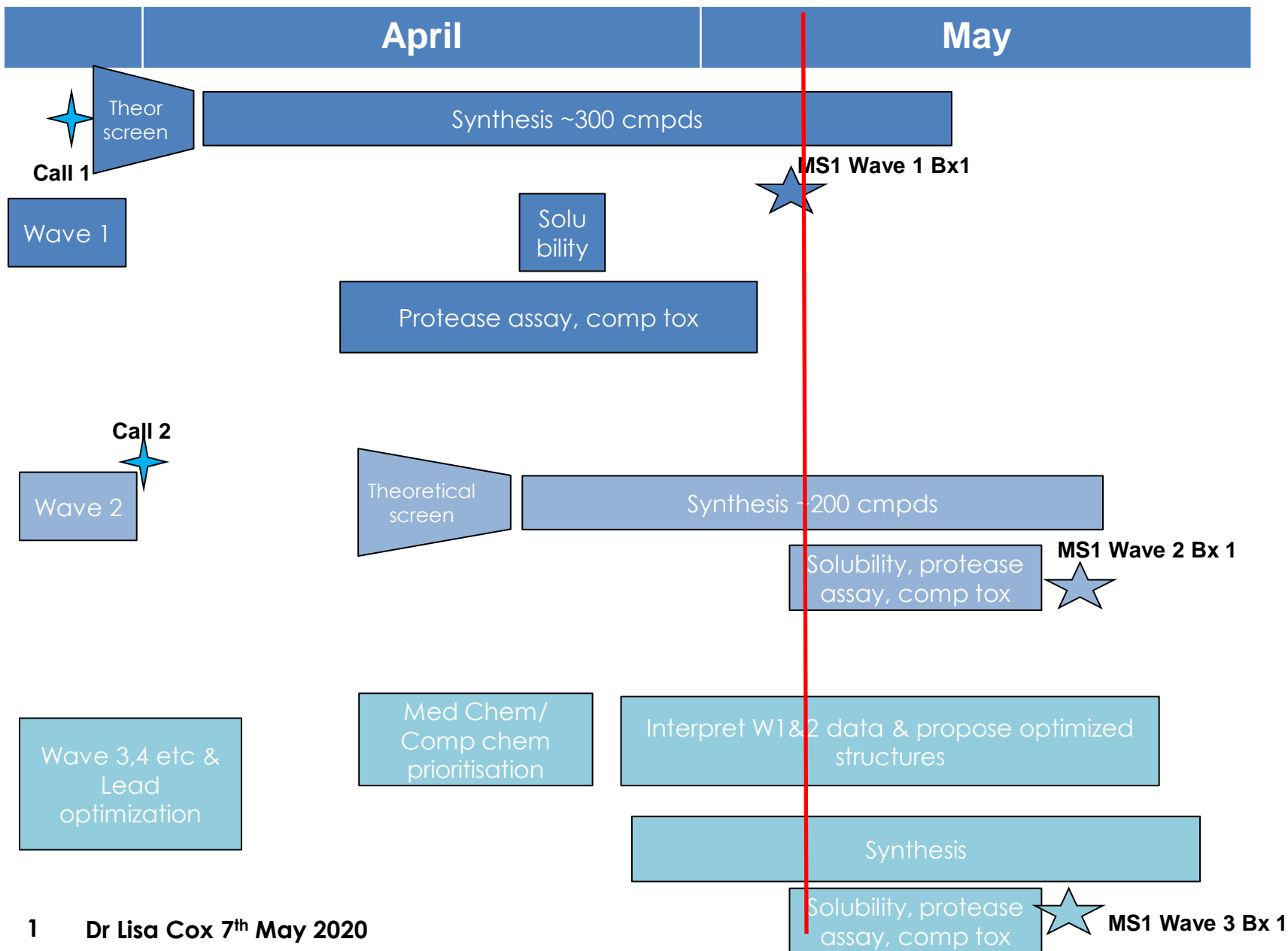
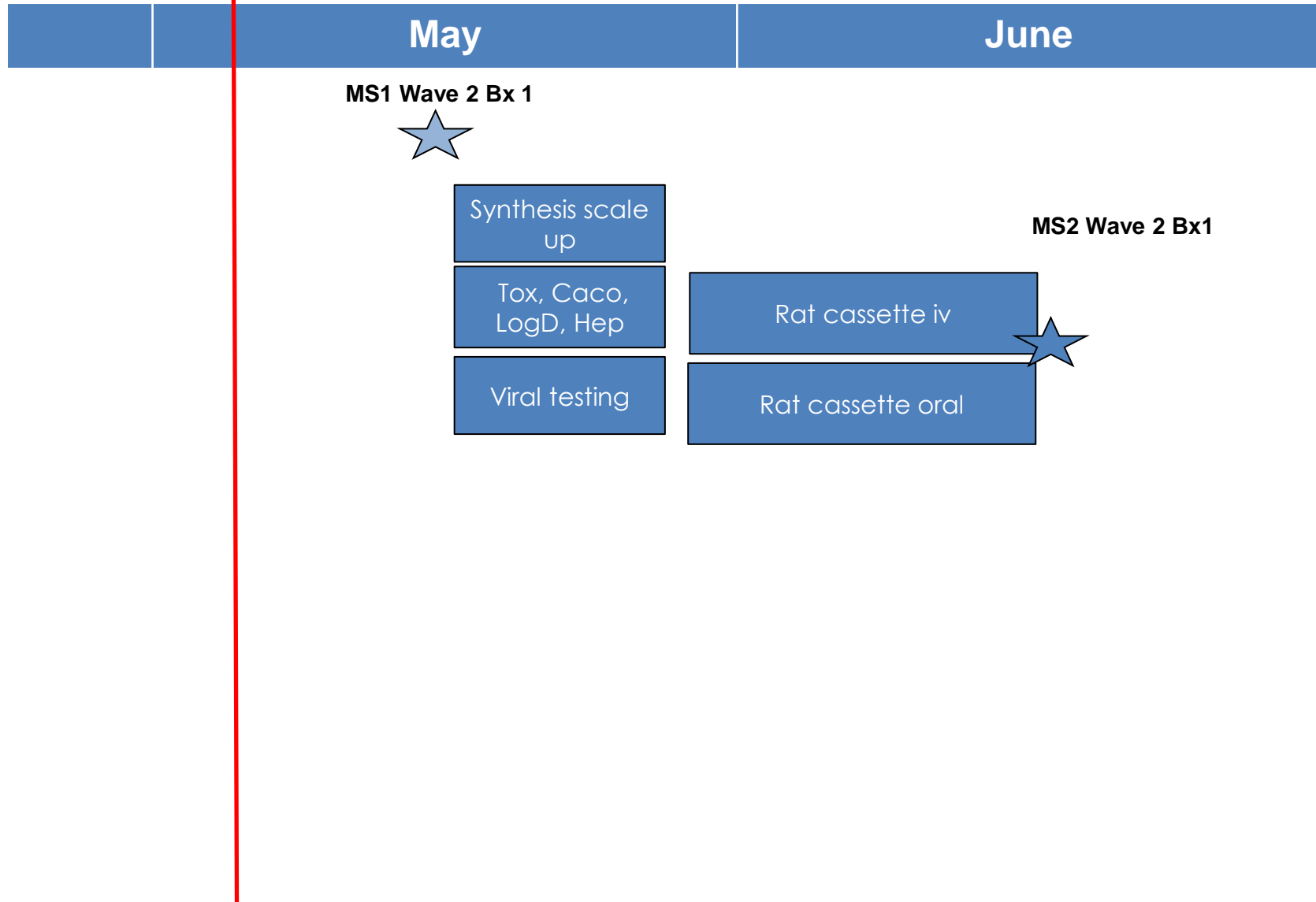


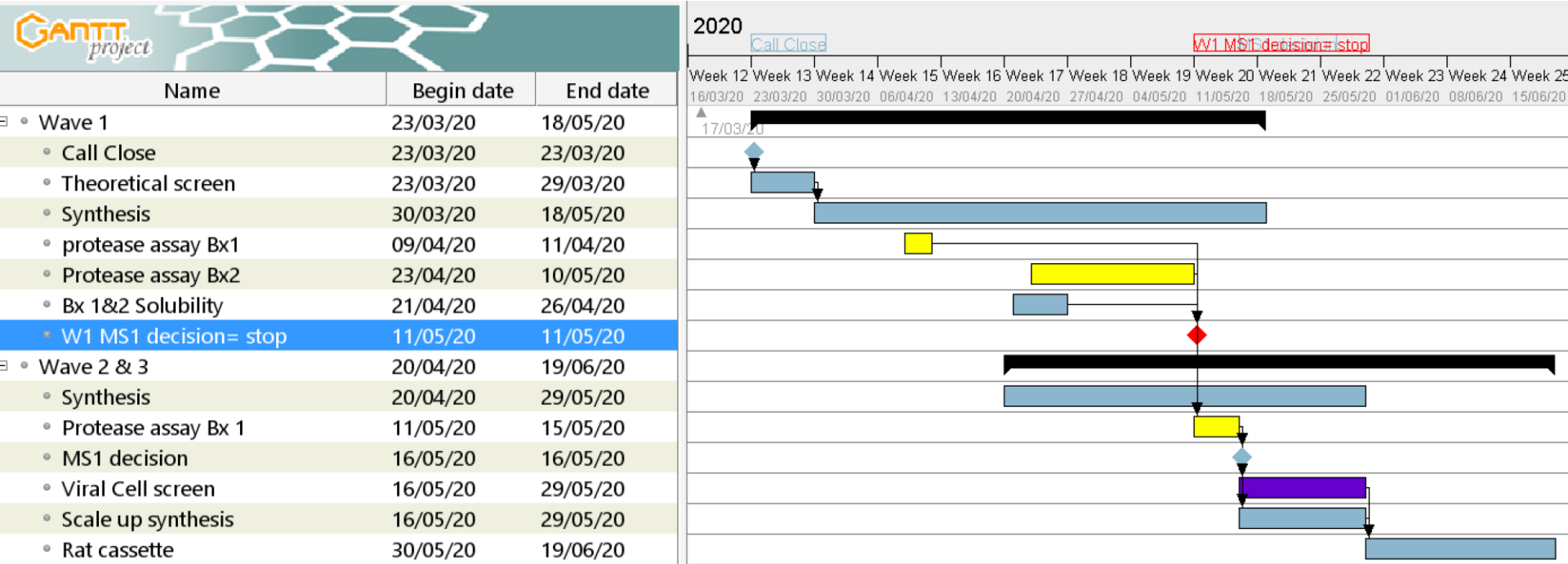
COVID-19 Moonshot: Overview of Timeline to Milestone 1



COVID-19 Moonshot: Outline timing MS1-MS2



COVID-19 Moonshot: Detailed timeline



COVID-19 Moonshot: Key/ details of testing

Up to MS1 (Milestone 1)

Protease assay @ Oxford Chemistry & Weizmann Inst (both in parallel)

Computational tox assays

Threshold Solubility testing @ Enamine
(test at 10 μ M & 100 μ M)

Up to MS2 (Milestone 2)

Mammalian cell tox testing @ Enamine

Permeability (Caco2) testing @ Enamine

LogD partition coeff @ Enamine

Hepatocytes @ Enamine?

Viral single shot & EC50
@ Frankfurt/U. Nebraska/Mount Sinai

Rat cassette PK oral @ Enamine

Rat cassette PK iv @ Enamine

COVID-19 Moonshot: Threshold for progression

Up to MS1 (Milestone 1)

Protease assay (single source assay):
<1 μ M to go into viral screen & cell tox
based on
<https://science.sciencemag.org/content/early/2020/03/20/science.abb3405>
<20 μ M for cell tox only

Threshold Solubility:
>10 μ M

Up to MS2 (Milestone 2)

Viral single shot & EC50
(Multiple different assays in parallel)

Mammalian cell tox testing LD50
100 μ M (σουρχε ασσαψ)

Permeability (Caco2) testing

LogD partition coeff

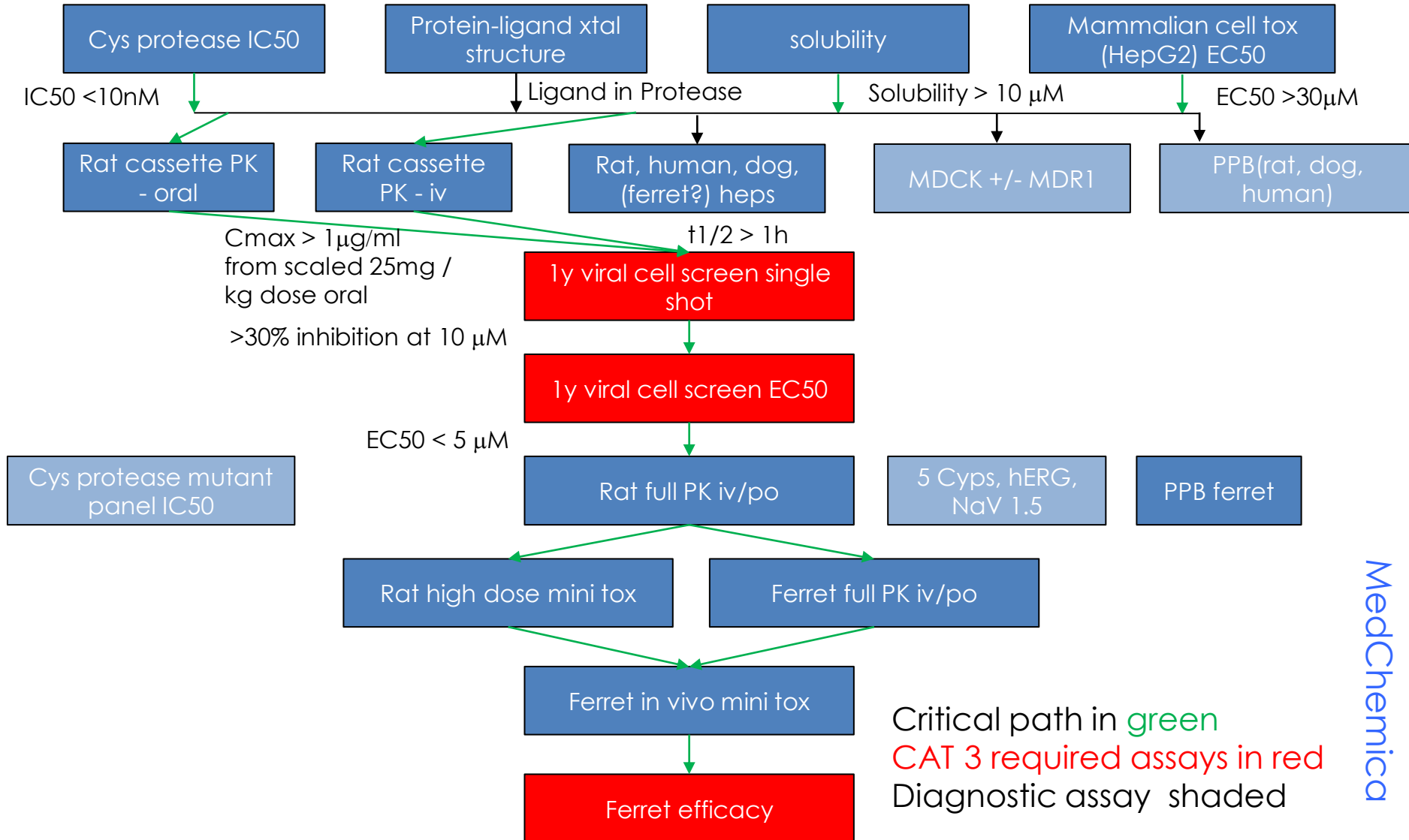
Hepatocytes

Rat cassette PK oral

Rat cassette PK iv

COVID-19 Cysteine protease testing cascade

Draft-2



Outline Timeline from MS2

