

The impact of genomic research on health care

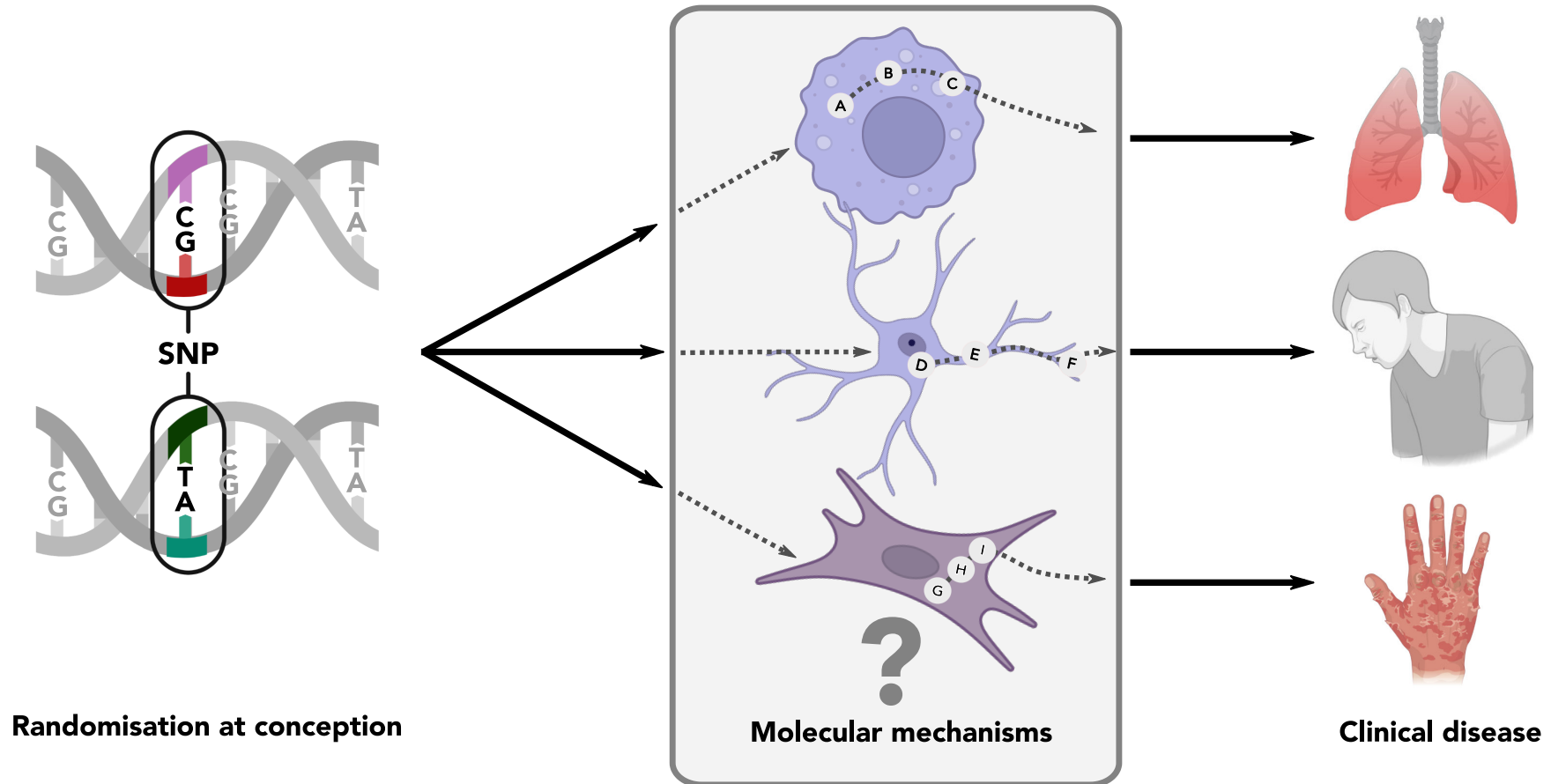
NHS Lothian R&D conference 2025

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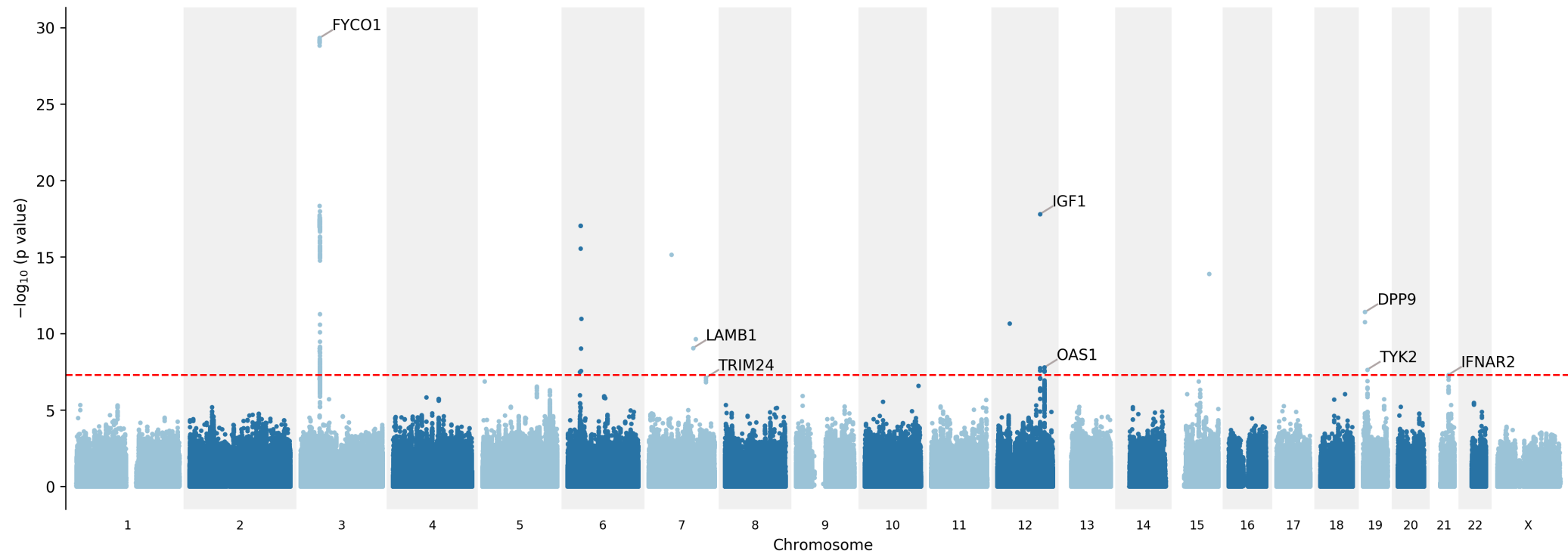
Roslin Institute, University of Edinburgh

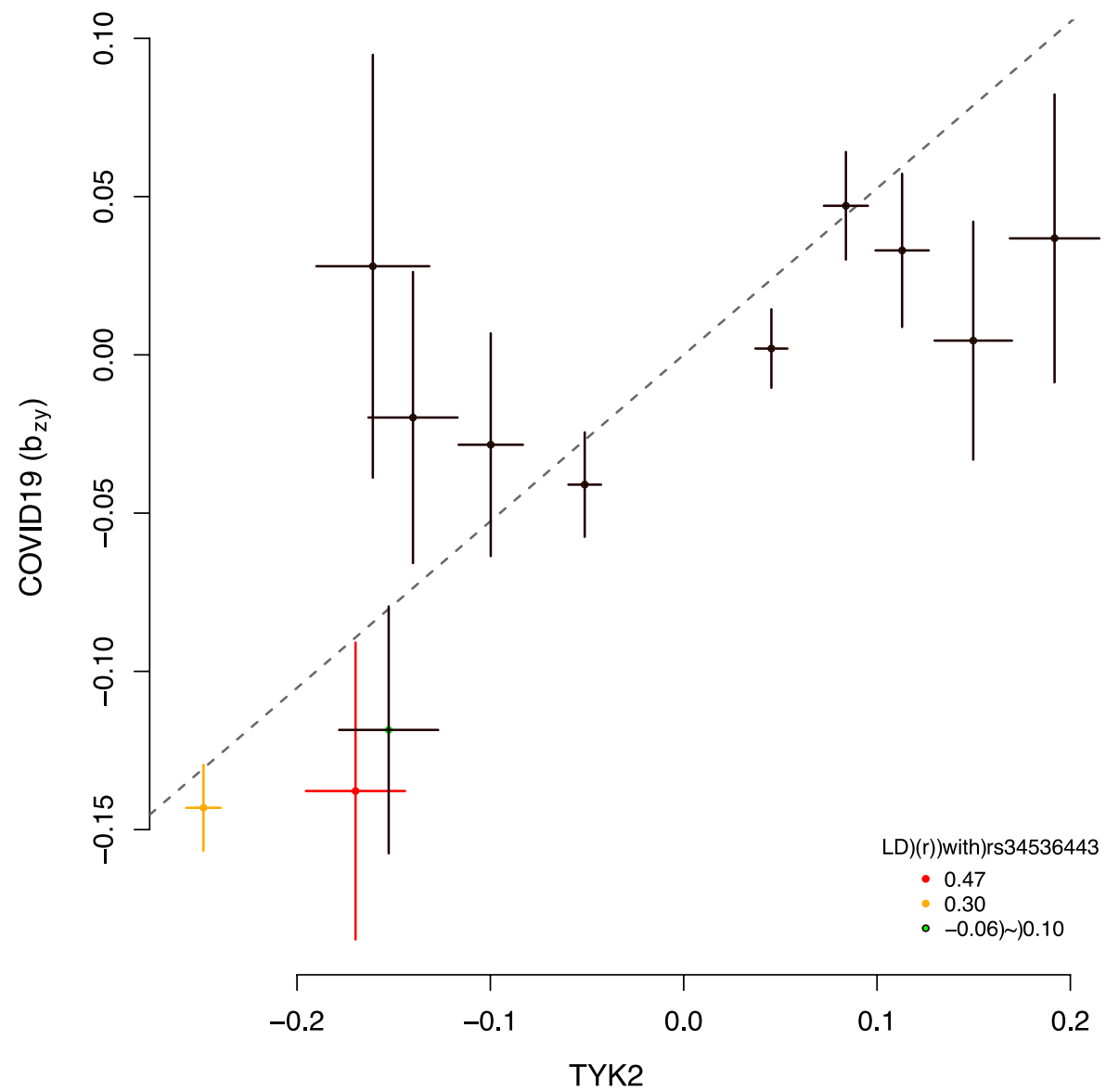
Explaining disease mechanisms





GWAS EUR





Article

Genetic mechanisms of critical illness in COVID-19

<https://doi.org/10.1038/s41586-020-03065-y>

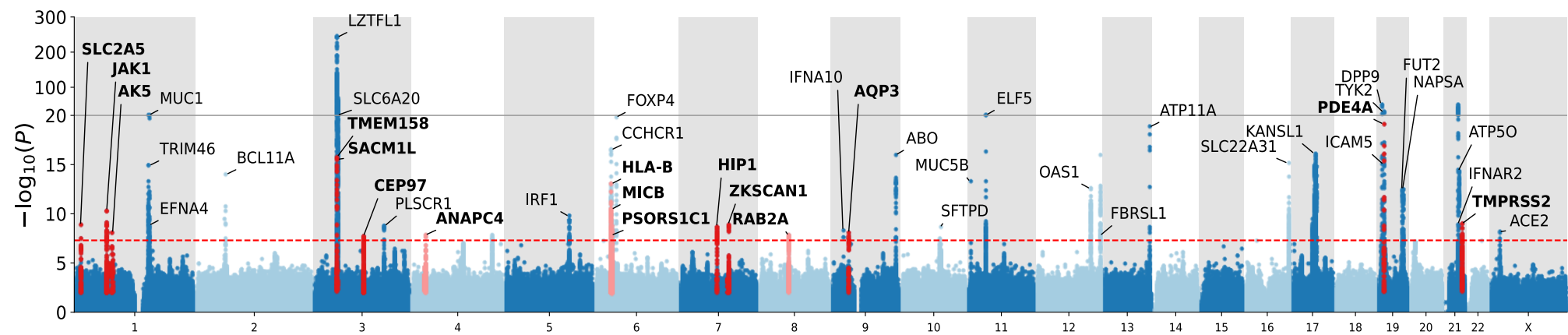
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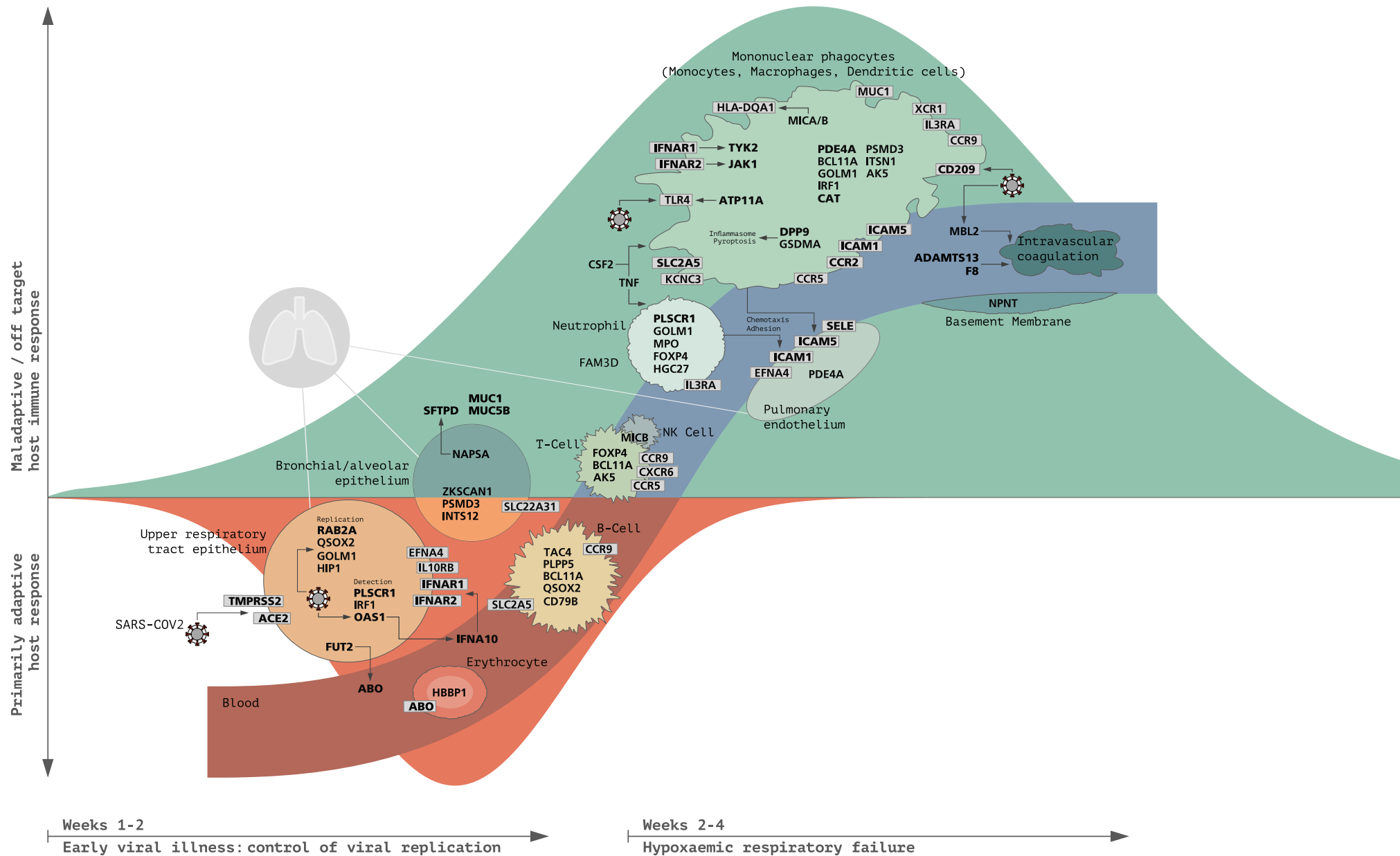
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Since opportunities for therapeutic intervention, particularly experimental therapy, are more abundant in later, more severe disease, it is important that our results also reveal genes that may act to drive inflammatory organ injury. **TYK2 is one of 4 gene targets for JAK inhibitors such as baricitinib**, one of the nine candidate drugs we used in the creation of our a priori target list.









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Hepatitis in children: How many cases are there?

🕒 4 May 2022



Coronavirus



How many children are affected worldwide?

After the UK started reporting a sharp rise in cases of acute severe hepatitis, although in relatively small numbers, awareness increased in other countries and they also started looking for the same condition in children.

As of 1 May, at least 228 probable cases of hepatitis in 20 countries have been reported to the World Health Organization (WHO). It says another 50 cases are under investigation.

The majority have been detected in Europe, including Ireland and the Netherlands, but some are also in the Americas, the western Pacific and south-east Asia.

The death of one child from hepatitis has been reported.