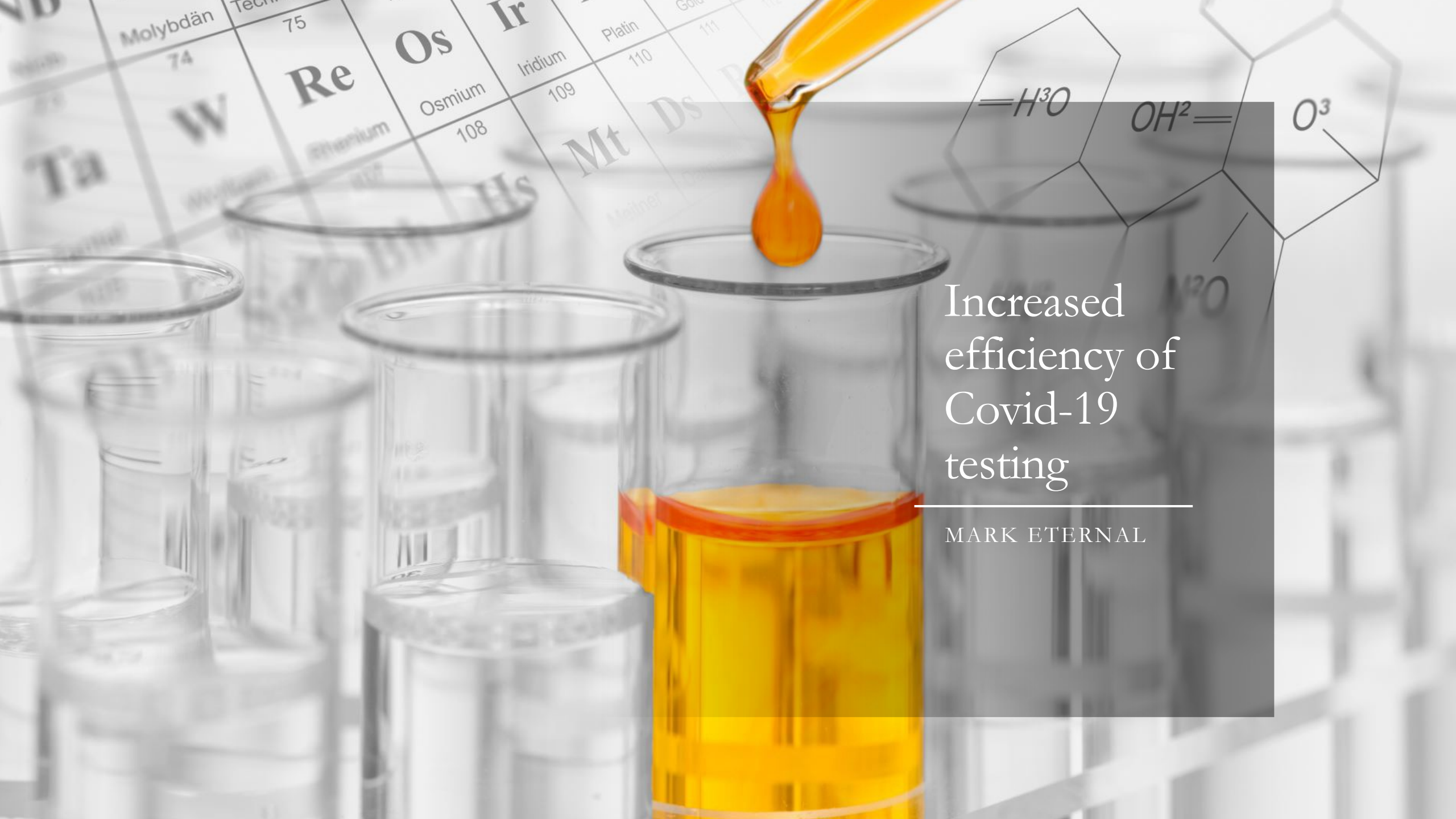

Increased efficiency of Covid-19 testing

MARK ETERNAL

Who we are

Method development and validation team:

- Marco Eterno, *Physicist, SNS (Scuola Normale di Pisa), Unipi.*
- Antonino Cattaneo, *Full Professor of Physiology, SNS*
- Mariagrazia Di Luca, *Research Specialist in Microbiology and Virology, Unipi*

What we did

We have developed a proposal for an organizational and technical modification to current procedures for analyzing buffers for coronavirus by real time RT PCR.
Our method could be, depending on the circumstances, 10 times faster than the current method and uses only machines already present within diagnostic laboratories.

What do we ask

- Access, even partial access, to a diagnostic laboratory within a hospital where swab analysis for Covid-19 has been performed, or, failing that, a laboratory with the appropriate specifications to validate our idea, i.e., biosafety level 3 and clearance to handle human material.

What is our plan

- Perform a retrospective analysis of swabs already analyzed by the standard method to confirm that our method has the same diagnostic reliability as the current method.
  This may take up to four days of work and no less than two.

How we plan to implement it

Two possibilities:

- Explaining our procedure to a researcher in the diagnostic laboratory who might decide to apply it himself
- Call a molecular biology researcher from the university closest to the lab, explain the situation, and ask him if he would be willing to do the experiments himself.

What NOT to do

- Contact the press. We are well aware that our method needs to be validated before it is even considered for large-scale application. Media pressure could ruin this delicate process.

How to contact us

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