

30 April 2021

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Serology Standards:

A US Working Standard for SARS-CoV-2 Serology

Troy Kemp and Ligia Pinto,
Frederick National Lab for Cancer
Research

Coronavirus Standards Working Group

What should a Coronavirus Standards Working Group do?



Assure development and availability of standards, controls, interlab testing, knowledge to support successful rollout & scaling of 2019-nCoV testing



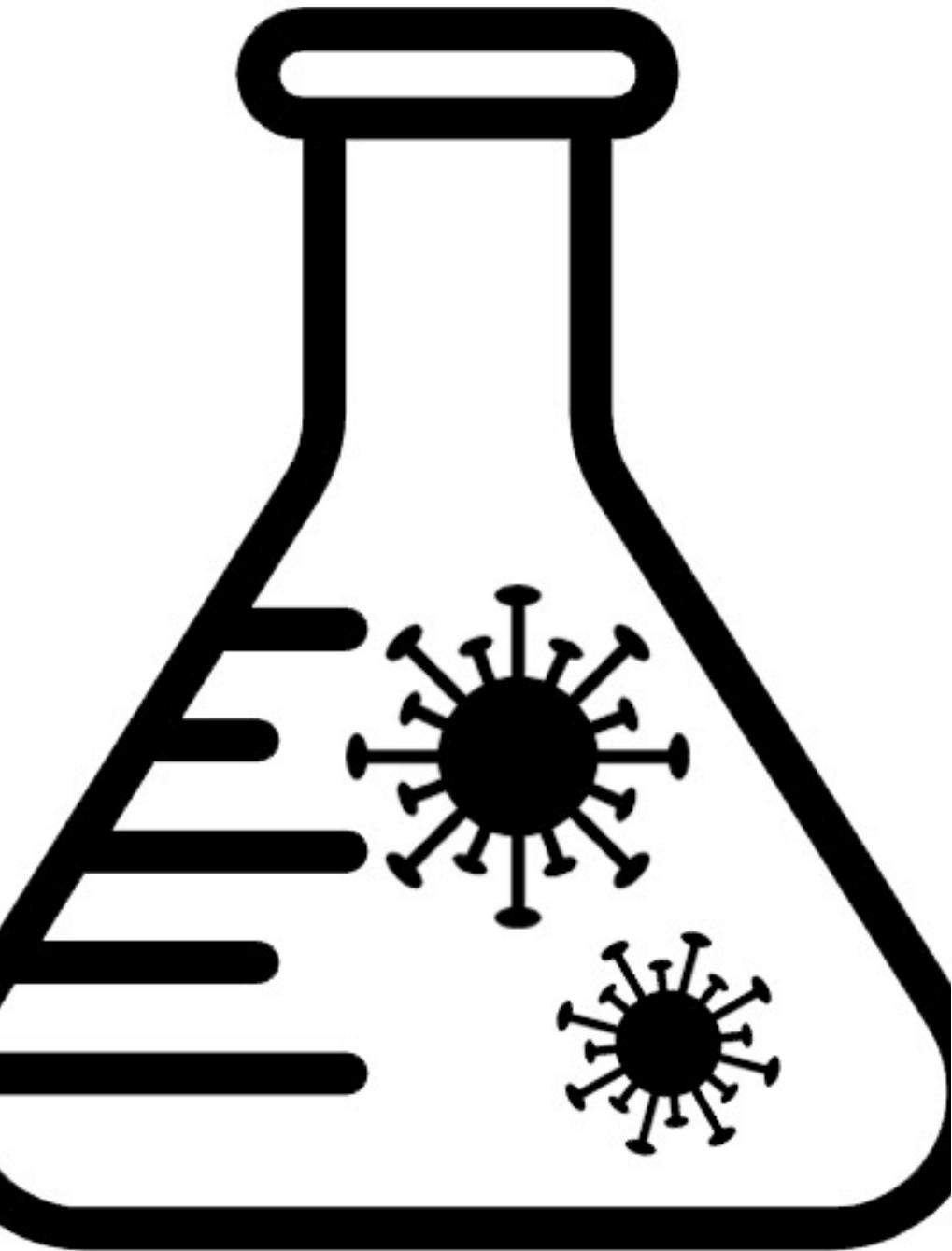
Identify and develop critical infrastructure to support...

- confidence in test results
- interoperability
- scale-up
- long-term capacity



Identify best practices that should be institutionalized

Learn what we need to so next time we have a global network in place ready to make standards.



Agenda

Updates

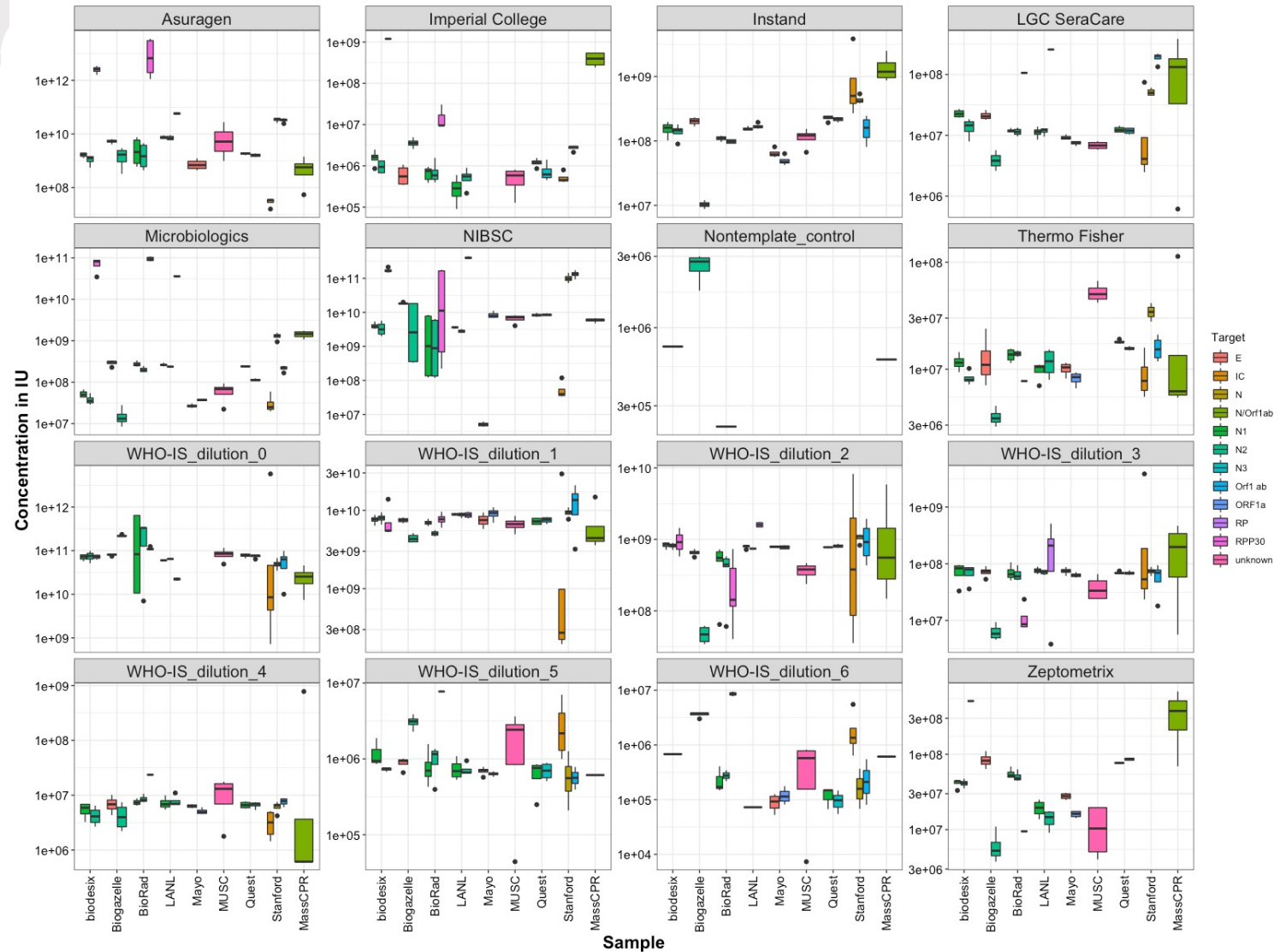
- Viral RNA Harmonization
- Serology Harmonization Study
- Standards for Genomic Surveillance

US Standard for SARS-CoV-2 Serology

- Troy Kemp & Ligia Pinto

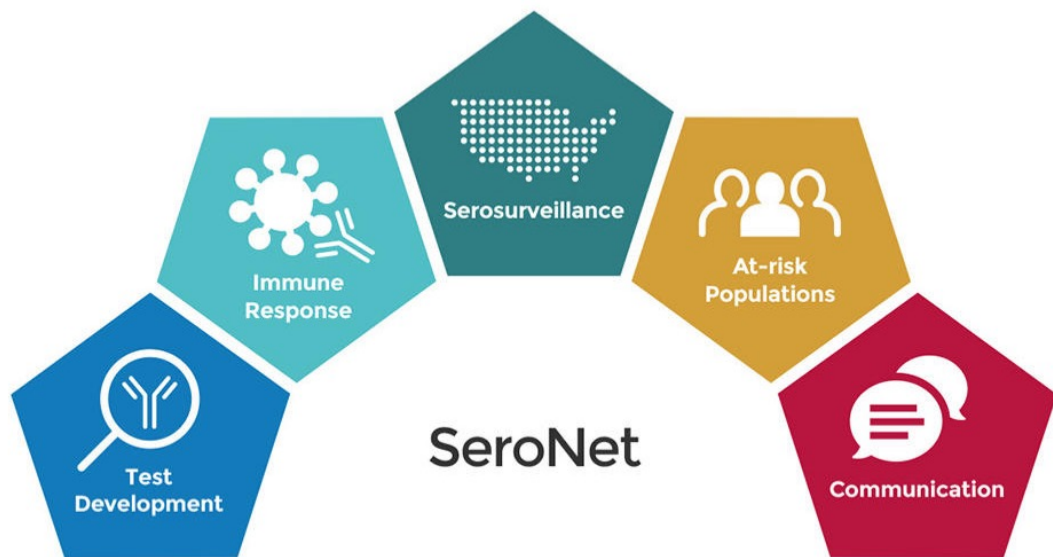
REALLY preliminary results

- Naïve calibrations in log space, unweighted
- Likely inconsistencies in data arranging
- Potential dilution corrections required in some cases



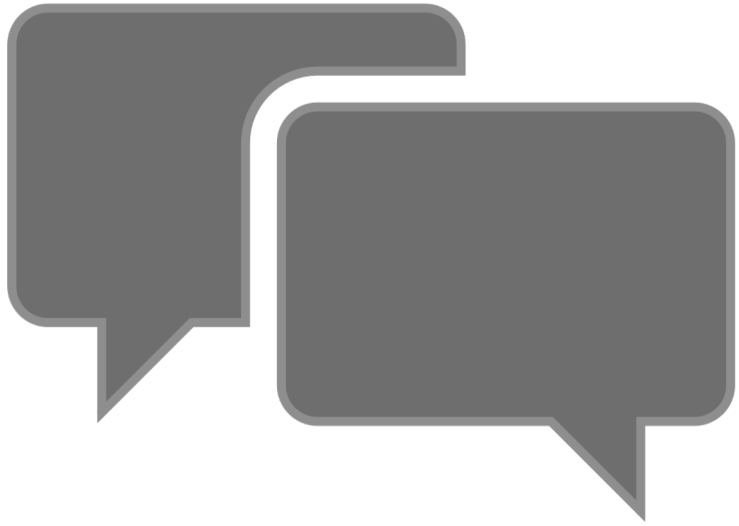
Serology Harmonization Study

- Need follow-up meeting
- Please acknowledge availability in chat for:
 - 0800 PDT 3, 4, 5 May
- Options going forward
 - CSWG designs and operates a harmonization study as a standards-setting effort
 - CSWG acts as a "network hub" for University of Colorado team's leadership of the study



Developing a US Working Standard for SARS-CoV-2 Serology calibrated to the WHO International Unit

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Discussion

