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Peer-Review Report

# Peer Review of “A Machine Learning Explanation of the Pathogen-Immune Relationship of SARS-CoV-2 (COVID-19), and a Model to Predict Immunity and Therapeutic Opportunity: A Comparative Effectiveness Research Study”

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**KEYWORDS**

infectious disease; SARS-CoV-2; COVID-19; public health; immunity: vaccinations; therapeutics; stem-cell growth factor-beta

*This is a peer review submitted for the paper “A Machine Learning Explanation of the Pathogen-Immune Relationship of SARS-CoV-2 (COVID-19), and a Model to Predict Immunity and Therapeutic Opportunity: A Comparative Effectiveness Research Study.”*

## General Comments

This paper is excellent and very timely given its importance as it relates to supporting forthcoming mass vaccinations to address COVID-19 and potential prioritization of such vaccinations based on the study findings.

**Conflicts of Interest**

None declared.

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## Specific Comments

**Major Comments**

1. None
2. None
3. None

**Minor Comments**

4. Consider consistency of using COVID-19 vs SARS-CoV-2 (abstract vs text body).
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