

*TUESDAY Seminar*

**MAR 8 | 6 PM**

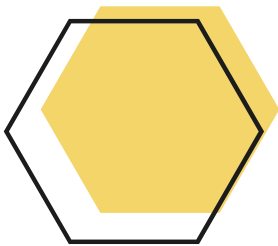
[via Zoom \(link\)](#)



# COMPUTATION EPIDEMIOLOGY IN SUPPORT OF THE SARS-COV-2 PANDEMIC

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Mathematic modeling has been used for centuries to understand the burden of disease and assesses the potential impact of various countermeasures. Through the COVID-19 pandemic, computational modeling was used to understand the trajectory of the pandemic and how interventions like contact tracing, lockdowns, K-12 school closures, vaccines, treatment, and various non-pharmaceutical interventions might avert severe disease burden. The Institute for Disease Modeling's (IDM) goal is to support global efforts to eradicate infectious diseases and achieve permanent improvements in health by developing, using, and sharing computational modeling tools and promoting quantitative decision-making. This talk will focus on the development and application of IDM's Covasim, an open-source agent-based network model of COVID transmission and with-host progression. Please see [covasim.org](https://covasim.org) to preview the source code in advance of the talk.

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