



LIVE

CONTACT TRACING AND LOCKDOWN EASING PLAN: **EFFECTIVENESS x LIMITATIONS**

JULY 1st, 2020 - 10:00 am (UTC - 03:00)

Helder Nakaya

Assistant professor - Faculty of Pharmaceutical Sciences, also known as Faculdade de Ciências Farmacêuticas, Universidade de São Paulo, Brazil.

Short Bio

Prof Nakaya uses Systems Biology to predict and understand the immune response to different vaccines. Currently, he is also part of a collaborative effort to develop a low-cost diagnostic platform for COVID. As a principal investigator of the FAPESP-funded Center for Research in Inflammatory Diseases, he developed a privacy-sensitive cell platform to map hotspots of transmission of different diseases. He is currently working on a cell phone app to trace COVID-19 hotspots. The platform was originally developed to map Malaria/Dengue hotspots.

Talk

Efforts to apply a cell phone app to trace hotspot os COVID-19. The app was originally developed to map Zika/Dengue hotspots. How to deal with privacy questions in order to apply the app successfully and in large scale.

Inibong Ekong

Deputy Director - Department of Health Planning, Research and Statistics, FCT Health and Human Services Secretariat, Abuja, Nigeria.

Short Bio

Short BioDr. Ekong has over 10 years experience in eHealth Governance in the Health sector, he led the development of the first eHealth Policy and Strategy document in Nigeria. During the COVID pandemic, Dr. Ekong is striving to implement privacy-sensitiveCT-enabled strategies for surveillance and contact tracing. During the process, Dr. Ekong has identified challenges that suggest that risk communication and community engagement be included in the planning

and is deploying a mobile and web platform for risk stratification and identification of disease clusters to inform public health action.

Talk

Challenges related to privacy of the population has been jeopardizing the implementation of a contact tracing app to map COVID-19 in Nigeria.

Paper: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7187764/>

Jorge X. Velasco Hernandez

Researcher (Investigador Nacional III) at the Instituto de Matemáticas of the Universidad Nacional Autónoma de México

Short Bio

Fellow of the Society for Industrial and Applied Mathematics, International Fellow of Santa Fe Institute, member of the Academia Mexicana de Ciencias and former president of the Sociedad Matemática Mexicana (2014-2016) Prof. Velasco studies the population-level impact of three key factors: the implementation of behavior change control measures, the time horizon necessary to reduce the effective contact rate and the proportion of people under Sanitary Emergency Measures in combating COVID-19.

Talk

Modeling behavioral change and COVID-19 containment in Mexico: A trade-off between lockdown and compliance

Leany Lemos

Regional Bank of Far Southern Development (BRDE)

Short Bio

As Planning Secretary of the State of Rio Grande do Sul during the initial phase of the COVID-pandemic, Dr. Lemos successfully implemented a controlled social distancing policy in the state of Rio Grande do Sul, and achieved the lowest infection and mortality rate in Brazil. Their strategic planning relied on multiple scientific analysis, including mathematical projections and sample testing.

Talk

Using scientific data to successfully develop an action plan for social distancing policy, implemented in Rio Grande do Sul.

Data available at

<https://planejamento.rs.gov.br/upload/arquivos/202005/07121607-nota-tecnica-sobre-o-indice-setorial-para-distanciamento-controlado-3-1.pdf>

Pratik Sinha

Postdoctoral Scholar in Dr. Carolyn Calfee's laboratory
Dept of Medicine and of Anesthesiology at UCSF

Short Bio

He has been working on biological phenotypes of Acute Respiratory Distress Syndrome and devised models that would allow the implementation of the

phenotypes in real-time scenarios. During this COVID-pandemic his work has contributed to emphasize the risks of premature phenotyping of COVID. He has also analyzed the pros and cons of different forms of digital contact tracing.

Talk

Individuality and privacy cost of digital contact tracing.

Paper: <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7293963/>

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Talk

The experience in contact tracing in the City of Mexico and the application of its Semaforo Epidemiológico Diario CDMX