

Il seminario/La fisica teorica di Francesco Sannino contro il Covid-19

Scritto da Red.

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Friday
May 21, 2021
15:00 (GTM)

**Computational and
Quantitative Biology
Lecture Series**

The seminar will be held on line using TEAMS. Please register <https://bit.ly/3eYfGq6>
You will receive an invite with the link to the seminar.

The pandemic playbook, a physicist take

The COVID-19 pandemic is raging across the world with an immense toll in terms of human lives and devastating economic impact. I will show how to use powerful theoretical physics methods stemming from the description of fundamental phenomena such as Higgs physics with applications even to string theory to unveil the pandemic dynamics and timing.
The temporal playbook of the pandemic can be used by governments, financial markets, the industries and individual citizens, to efficiently time, prepare and implement local and global measures. I will also show that by marrying big data, genetics and theoretical there are possibilities for giant leaps forward in our understanding of infectious diseases.

Francesco Sannino is Professor in Theoretical Physics at the Department of Physics at Federico II University, he is also chair of theoretical physics at the Scuola Superiore Meridionale, while holding a dual position as Founder and Director of the Centre for Cosmology and Particle Physics Phenomenology (COPPP) as well as Founders and chair in theoretical physics of the Danish Institute for Advanced Study at the University of Southern Denmark.



Francesco Sannino
Professor in Theoretical Physics at
the Department of Physics at
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With the contribution of:



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ARIANO IRPINO – Svelare le dinamiche e i tempi della pandemia in corso, basandoci sugli stessi metodi utilizzati nella fisica teorica delle interazioni fondamentali. Sarà questo il fulcro dell'intervento del professore Francesco Sannino al prossimo seminario di Biologia computazionale, organizzato in modalità streaming, dall'Università di Napoli Federico II, e sponsorizzato da Biogem.

Una strategia di questo tipo, secondo l'affermato fisico teorico dell'Università partenopea, può indirizzare i governanti, i mercati finanziari, le industrie, e i singoli cittadini, a meglio calibrare e implementare le misure locali e globali adottate contro il Covid-19.

“Mostrerò – scommette infine lo stesso Sannino – come il connubio tra big data, genetica e fisica teorica potrebbe farci fare passi da gigante, accrescendo di molto la nostra comprensione delle malattie infettive”.