



école \_\_\_\_\_  
normale \_\_\_\_\_  
supérieure \_\_\_\_\_  
paris-saclay \_\_\_\_\_

université  
PARIS-SACLAY



Dr. Vijay Srinivasan  
Senior Advisor  
Engineering Laboratory

**NIST**  
National Institute of  
Standards and Technology  
U.S. Department of Commerce

## Emergence of Biotechnology Platforms during COVID-19

A Lesson in Modern Biology, Product Development,  
and Manufacturing

**Date and time: Jun 23 (Thu), 2022, 15:00 CEST (GMT+2)**

*<https://us02web.zoom.us/j/88017333346?pwd=VDZHamQxRDdLZ0R1S1JyaDhnWmM4dz09>  
Secret code: 764040*

### **Abstract:**

The COVID-19 pandemic has accelerated the development and manufacturing of vaccines at an unprecedented rate. This has been enabled by the emergence of biotechnology platforms such as mRNA and Viral Vectors.

This seminar will outline the engineering aspects of such platforms, the modern biology behind their evolution, and how they are affecting smart product development and manufacturing in this important field.

### **Speaker Bio:**

Dr. Vijay Srinivasan is a Senior Advisor in the Engineering Laboratory at the National Institute of Standards and Technology, Gaithersburg, Maryland, U.S. He joined NIST in 2009, after 26 years at IBM Research during which he was also an Adjunct Professor at Columbia University, New York.

Dr. Srinivasan has published widely and is a Fellow of AAAS (American Association for the Advancement of Science) and ASME (The American Society of Mechanical Engineers).

*For inquiries, please feel free to contact us at [nabil.anwer@ens-paris-saclay.fr](mailto:nabil.anwer@ens-paris-saclay.fr)*