



International Alliance for  
Biological Standardization

**9<sup>th</sup> Annual IABS Statistics Workshop  
Applying Statistics and Data Science to Evolving Technical and Regulatory Paradigms**

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University of Maryland - IBBR, Rockville, MD, USA**

**Title: mRNA Platform: Analytical and Process Opportunities and Evolution**  
**Tingting Feng, Statistician, Moderna**

**Abstract:**

mRNA has proved to be a revolutionizing technology, evidenced by the rapid development of the COVID vaccine. Moderna has been able to utilize its mRNA platform to accelerate the development of its mRNA vaccine and therapeutic programs. This talk will focus on explaining the mRNA platform approach, its advantages and challenges. Examples of successfully applying the platform approach in analytical and process development will be shared. An additional example illustrating the limitations of the platform approach will also be discussed.

