

# NOF CORPORATION

LIFE SCIENCE DIVISION

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## NOF to Participate in Advanced Therapies Week 2025 on Jan. 20 - 23

Tokyo, Japan – December 23, 2024 – NOF CORPORATION is pleased to announce its participation in the upcoming **Advanced Therapies Week 2025** which will be held at Kay Bailey Hutchison Convention Center Dallas, Dallas, TX, U.S.A. from January 20 to 23.

The Conference website: <https://advancedtherapiesweek.phacilitate.com/>

As a part of the event, NOF CORPORATION will showcase its products for Drug Delivery System at **Booth #262** from **January 21 to 23**.

Additionally, Syed Reza, Drug Delivery Consultant at NOF AMERICA CORPORATION, will present on the following topic on **January 22** in the Innovation Zone.

### **Title**

Non-viral RNA Delivery with Biodegradable Ionizable Lipids

### **Date & Time**

January 22 / 10:00AM

### **Place**

Innovation Zone

### **Speaker**

Syed Reza, Drug Delivery Consultant at NOF AMERICA CORPORATION

### **Abstract**

There is growing interest in use of ionizable lipids for delivery in of gene editing or for enzyme replacement therapy (ERT). Yet, many lipids currently available were originally developed for vaccines and the lipids selected for these applications are the result of a selection bias for immunogenicity. This poses certain challenges when attempting to adapt the vaccine LNPs for mRNA therapy due to significant dose limiting toxicity after repeated and systemic exposure. We here present our work on the development of biodegradable ionizable lipids (COATSOME® Series) that demonstrate improved tolerability, reduced organ toxicity and immunotoxicity while at the same time enabling high levels of mRNA expression. The COATSOME® lipids exhibit exceptional stability in the circulating state and only break down when triggered by specific stimuli present in the cytosol. This presentation will also present our efforts to engineer LNPs specifically designed for gene therapy applications, for infectious disease vaccines and cancer immunotherapy applications.

NOF CORPORATION invites attendees to visit booth #262 to explore our innovative drug delivery solutions and engage with their experts.

For further information or to arrange a meeting, please refer to the following contact information.

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