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October, 2022

NOF EXHIBITS AND PRESENTS AT PODD 2022 (October 24-25)

NOF CORPORATION is exhibiting and presenting at Partnerships Opportunities in Drug Delivery (PODD), held at The Westin Copley Place, Boston, MA from October 24 to 25 (Booth#25A).

Conference website:

<https://theconferenceforum.org/conferences/partners-in-drug-delivery/overview/>

Presentation Title:

Biodegradable Lipid Nanoparticles for Gene Delivery and mRNA Vaccines

Date and Time:

October 24, 2022 at 14:45 – 15:00 (DAY 1, Track 4A: Cell & Gene Delivery)

Abstract:

COATSOME® SS Series is a novel nanoparticle platform composed of biodegradable lipids. In this presentation, we will discuss approaches to engineer lipids that can decompose after endosomal escape and the relationship on safety and gene transfection efficiency. Examples of in vivo delivery of DNA and RNA cargos will be discussed along with considerations for design of formulations to target specific tissues and to improve the tolerability of LNP's for repeat, high dosing necessary for effective gene therapy. The SS Series platform has also been engineered to increase immunogenicity for adjuvanted RNA vaccines. This series of adjuvanting lipids selectively induces IFN- β for selective T-cell mobilization while minimizing broad inflammatory responses. Finally, we will share the performance of a room temperature stable formulation of SS Series and its implications for future of LNP technologies.

Visit our booth #25A during the conference, or contact our regional offices below:

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