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April, 2021

POSTER PRESENTATION AT ASGCT 2021 ANNUAL MEETING -VIRTUAL-

NOF CORPORATION will present a poster on NOF DDS technology for mRNA Vaccines at **ASGCT 2021 ANNUAL MEETING -VIRTUAL-** to be held from **May 11 to 14, 2021**.

Conference Website: <https://annualmeeting.asgct.org/>

Presentation Title: Self-Adjuvating Lipid Nanoparticle mRNA Vaccine Elicits T-Cell Responses and Protects Against Immune Challenge

Abstract:

COATSOME[®] SS-Lipid, a novel lipid platform for nucleic acid delivery is composed of highly biodegradable, ionizable lipids. Rational engineering of functional groups of the lipid to improve biodegradation in the cytoplasm was shown to vastly improve gene expression while at the same time reducing hepatic toxicity. We here demonstrate that a novel ionizable lipid SS-E and SS-EC specifically activates macrophages in vivo and this response is correlated with antibody expression and Cytotoxic T-Cell activity. These findings suggest LNP composed of SS-E and SS-EC can be effective delivery systems for DNA and RNA vaccines.

Please contact our regional offices below for the detail of the presentation or if you have any questions for the contents of the presentation.

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