NOF CORPORATION
LIFE SCIENCE DIVISION
YEBISU GARDEN PLACE TOWER
20-3, EBISU 4-CHOME, SHIBUYA-KU, TOKYO 150-6012 JAPAN
TEL.+81-3-5424-6741 FAX. +81-3-5424-5348

NOF to Exhibit and Present at Biomarkers & Precision Medicine 2025

Tokyo, Japan – September 11, 2025 – NOF CORPORATION is pleased to announce that its European branch, NOF EUROPE GmbH, will participate in the upcoming **Biomarkers & Precision Medicine 2025** to be held at **QEII London**, Broad Sanctuary, London SW1P 3EE, UK from **September 30 to October 1**.

Symposium Website:
https://oxfordglobal.com/precision-medicine/events/biomarkers-precision-medicine/book-now

In the event, the company will showcase its latest technologies and products for the fields of diagnostics, eye care medical devices and pharmaceuticals at **booth #53**, which include BIOLIPIDURE®, a series of MPC-based polymers that is useful for designing in vitro diagnostics and biochemical assay reagent as an alternative for BSA.

Additionally, Haruki Kohatsu, Senior Scientist at NOF CORPORATION will make a poster presentation at the poster area in main hall.

【Presentation title】

Introduction of BIOLIPIDURE®, an additive for diagnostics

【Abstract】

BIOLIPIDURE® is an additive for in vitro diagnostics made from 2-methacryloyloxyethyl phosphorylcholine (MPC)-based polymer, which is obtained by copolymerization of MPC and various comonomers. MPC is a polymerizable monomer with a phosphorylcholine group, which is the hydrophilic moiety of phospholipids on the cell membrane. Hence, MPC enables molecular design in accordance with various assay systems, including nucleic acid amplification methods and immunoassay methods such as CLEIA and immunochromatography, by selecting the comonomer copolymerized with MPC appropriately. In general, BIOLIPIDURE® is a bio-inert compound mimicking the cell membrane, so that it is not recognized as a foreign substance by the living organism and does not interact with the organism. Therefore, BIOLIPIDURE® has high biocompatibility including the ability to inhibit protein adsorption and denaturation. Thanks to these functions, BIOLIPIDURE® is widely used for the purpose of (1) suppression of non-specific protein adsorption, (2) stabilization of protein, and (3) sensitization as additive for in vitro diagnostics in various assay systems. For example, the enzyme activity of horseradish peroxidase-labeled IgG in PBS solution drops to less than 10% after storage for 10 days at 4℃, whereas the activity in the solution with BIOLIPIDURE® can be maintained 100% for more than 400 days at 4℃. In addition, BIOLIPIDURE® is a synthetic material, so that it has high stability, little lot-to-lot variation and little biohazardous risk compared to protein-based reagent. In this presentation, we will introduce the methods of use and the functions of BIOLIPIDURE® in each measurement systems.

If you are interested in our technology, please contact our regional offices below to learn more and to arrange a meeting.

[Americas]
NOF AMERICA CORPORATION
E-mail info@nofamerica.com
Tel +1-914-681-9790 (New York Office)
+1-650-993-7375 (San Francisco Office)
+1-914-704-7903 (Boston Office)

[Europe]
NOF EUROPE GmbH
E-mail info-eu@nofeurope.com
Tel +49-69-7706-100-0

[Asia Pacific, Japan]
NOF CORPORATION
Life Science Division
E-mail ddsinfo@nof.co.jp
Tel +81-3-5424-6741

[China]
NOF (Shanghai) Co. Ltd.
Tel +86-21-6210-1100