

PATENT ASSIGNMENT COVER SHEET

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| Name | Execution Date |
| EMORY UNIVERSITY | 12/14/2017 |
| RECEIVING PARTY DATA | |
| Name: | National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government |
| Street Address: | NIH Division of Extramural Inventions and Technology Resources (DEITR) |
| Internal Address: | 6705 Rockledge Drive, Suite 310, MSC 7980 |
| City: | Bethesda |
| State/Country: | MARYLAND |
| Postal Code: | 20892-7980 |
| PROPERTY NUMBERS Total: 1 | |
| Property Type | Number |
| Application Number: | 15128912 |
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Invention Title: Liver-Optimized Coagulation FVIII Expression Cassette

Inventor(s): Harrison Brown, Christopher Doering, Harold Spencer

U.S. Filing/Issue Date: 09/23/2016

Patent or Application Serial No.: 15/128,912

Grant/Contract Number(s): HL092179 ; HL112309

Foreign Applications filed/intended in (countries): China, Europe and India

The invention identified above is a Subject Invention under **35 U.S.C. 200, et seq.**, and the Standard Patent Rights clause at **37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12** (if applicable) which are included among the terms of the above identified grant or contract award from the United States Government. This document is confirmatory of:

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Signed this 14th day of December, 20 17.

By Laura F. Fritts
(Institutional Business Official)

[Signature]
(Signature)

Title Chief Intellectual Property Officer

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