UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

December 5, 2007

Docket No. 03036545 License No. 29-30906-01
Control No. 141338

Maxwell Stock
COO
Signum Biosciences, Inc.
1 Deer Park Drive
Monmouth Junction, NJ 08852

SUBJECT: SIGNUM BIOSCIENCES, INC., LICENSE AMENDMENT, CONTROL NO. 141338

Dear Mr. Stock:

This refers to your license amendment request. Enclosed with this letter is the amended license.

Please review the enclosed document carefully and be sure that you understand and fully implement all the conditions incorporated into the amended license. If there are any errors or questions, please notify the U.S. Nuclear Regulatory Commission, Region I Office, Licensing Assistance Team, (610) 337-5239, so that we can provide appropriate corrections and answers.

An environmental assessment for this action is not required, since this action is categorically excluded under 10 CFR 51.22(c)(14).

Current NRC regulations and guidance are included on the NRC's website at www.nrc.gov; select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material;** then **Regulations, Guidance, and Communications.** You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 7:00 a.m. to 8:00 p.m. EST, Monday through Friday (except Federal holidays).

Thank you for your cooperation.

Sincerely,

Original signed by Dennis R. Lawyer

Dennis R. Lawyer
Health Physicist
Commercial and R&D Branch
Division of Nuclear Materials Safety

Enclosure:
Amendment No. 6

cc:
Scott Dennerlein, Radiation Safety Officer

DOCUMENT NAME: C:\FileNet\ML073460809.wpd

SUNSI Review Complete: DLawyer

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NAME	DLawyer/DRL							
DATE	12/5/2007							

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Amendment No. 6

MATERIALS LICENSE

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with the letter dated November 15, 2007,
1. Signum Biosciences, Inc.	3. License number 29-30906-01 is amended in its entirety to read as follows:
2. 1 Deer Park Drive Monmouth Junction, NJ 08852	4. Expiration date May 31, 2014 5. Docket No. 03036545 Reference No.

6. Byproduct, source, and/or special nuclear material	7. Chemical and/or physical form	8. Maximum amount that licensee may possess at any one time under this license
A. Hydrogen 3	A. Non-volatile Compounds	A. 50 millicuries
B. Carbon 14	B. Non-volatile Compounds	B. 50 millicuries
C. Phosphorus 32	C. Non-volatile Compounds	C. 10 millicuries
D. Sulfur 35	D. Any	D. 30 millicuries

9. Authorized use:

A. through D. Research and development as defined in 10 CFR 30.4; animal studies.

CONDITIONS

10. Licensed material may be used or stored only at the licensee's facilities located at 1 Deer Park Drive, Monmouth Junction, New Jersey

11. Licensed material shall be used by, or under the supervision of, Scott Dennerlein, Eduardo Perez, Gopal Sarngadharan, and Peter Wolanin.

12. The Radiation Safety Officer for this license is Scott Dennerlein.

13. The licensee shall not use licensed material in or on human beings.

14. The licensee shall not use licensed material in field applications where it is released except as provided otherwise by specific condition of this license.

MATERIALS LICENSE
SUPPLEMENTARY SHEET

License Number
29-30906-01

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15. Experimental animals, or the products from experimental animals, that have been administered licensed materials shall not be used for human consumption.

16. The licensee is authorized to transport licensed material in accordance with the provisions of 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

17. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.

    A. Letter dated May 4, 2004 with revised application dated March 30, 2004 (ML041320142)
    B. Facsimile dated May 17, 2004 (ML041390533)
    C. Letter dated August 3, 2005 (ML052730462)
    D. Facsimile dated December 12, 2005 (ML053490252)

For the U.S. Nuclear Regulatory Commission

Date December 5, 2007

By ***Original signed by Dennis R. Lawyer***

Dennis R. Lawyer
Commercial and R&D Branch
Division of Nuclear Materials Safety
Region I
King of Prussia, Pennsylvania 19406