



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

September 12, 2001

Docket No. 03034841  
Control No. 130222

License No. 06-30480-01

Jaime Flores-Riveros, Ph.D.  
Vice President for Institute of Diabetes Discovery  
Institute for Pharmaceutical Discovery  
23 Business Park Drive  
Branford, CT 06405

SUBJECT: INSTITUTE FOR PHARMACEUTICAL DISCOVERY, ISSUANCE OF LICENSE  
AMENDMENT, CONTROL NO. 130222

Dear Dr. Flores-Riveros:

This refers to your license amendment request dated August 22, 2001. Enclosed with this letter is the amended license.

**Please note that based on the documentation that you provided, the new users are authorized to use or supervise the use of only those material that they have used in the past. These individuals however, may use other material under the supervision of one of the authorized users listed on your 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.

In accordance with 10 CFR 2.790, a copy of this letter will be placed in the NRC Public Document Room and will be accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html>.

Thank you for your cooperation.

Sincerely,

**Original signed by Sattar Lodhi, Ph.D.**

Sattar Lodhi, Ph.D.  
Health Physicist  
Nuclear Materials Safety Branch 2  
Division of Nuclear Materials Safety

Enclosure:  
Amendment No. 02

**NMSS/RGNI MATERIALS-001**

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OFFICE	DNMS/RI	N	DNMS/RI	DNMS/RI			
NAME	SLodhi						
DATE	9/12						

OFFICIAL RECORD COPY

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**MATERIALS LICENSE**

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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.

<p>Licensee</p> <p>1. The Institutes for Pharmaceutical Discovery</p> <p>2. 23 Business Park Drive Branford, Connecticut 06405</p>	<p>In accordance with letter dated August 22, 2001,</p> <p>3. License number 06-30480-01 is amended in its entirety to read as follows:</p> <p>4. Expiration date October 31, 2008</p> <p>5. Docket No. 030-34841 Reference No.</p>
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<p>6. Byproduct, source, and/or special nuclear material</p> <p>A. Hydrogen 3</p> <p>B. Carbon 14</p> <p>C. Phosphorus 32</p> <p>D. Phosphorus 33</p> <p>E. Sulfur 35</p> <p>F. Iodine 125</p>	<p>7. Chemical and/or physical form</p> <p>A. Any</p> <p>B. Any</p> <p>C. Any</p> <p>D. Any</p> <p>E. Any</p> <p>F. Non-volatile Compounds</p>	<p>8. Maximum amount that licensee may possess at any one time under this license</p> <p>A. 50 millicuries</p> <p>B. 50 millicuries</p> <p>C. 50 millicuries</p> <p>D. 50 millicuries</p> <p>E. 50 millicuries</p> <p>F. 20 millicuries</p>
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9. Authorized use:

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

CONDITIONS

- 10. Licensed material may be used only at the licensee's facilities located at 23 and 21 Business Park Drive, Branford, Connecticut.
- 11. The Radiation Safety Officer for this license is Jaime Flores-Riveros, Ph.D.

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**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**

License Number

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030-34841

Amendment No. 02

12. Licensed material listed in Item 6 above is only authorized for use by, or under the supervision of, the following individuals for the materials indicated:

Authorized Users

Material

Jaime Flores-Riveros, Ph.D.

Hydrogen 3, Carbon 14, Phosphorus 32, Phosphorus 33, Sulfur 35, and Iodine 125

Jean E. Adamus

Hydrogen 3, Carbon 14, Phosphorus 32, Phosphorus 33, and Sulfur 35

Jack T. Letsinger

Hydrogen 3, Carbon 14, Phosphorus 32, Iodine 125

Grazia Ambrosini

Phosphorus 32, Phosphorus 33, Sulfur 35, and Iodine 125

Terri Witman

Hydrogen 3, Phosphorus 32, Phosphorus 33, and Iodine 125

Mark Lynskey

Hydrogen 3, Carbon 14, and Iodine 125

Börk Balkan

Hydrogen 3, Carbon 14, and Iodine 125

David Dean

Hydrogen 3, Carbon 14, and Phosphorus 32

Thomas DiCioccio

Hydrogen 3, Carbon 14, and Iodine 125

13. Licensed material shall not be used in or on human beings.

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

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

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. The licensee is authorized to hold radioactive material with a physical half-life of less than or equal to 120 days for decay-in-storage before disposal in ordinary trash, provided:

A. Waste to be disposed of in this manner shall be held for decay a minimum of ten half-lives

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- B. Before disposal as ordinary trash, the waste shall be surveyed at the container surface with the appropriate survey instrument set on its most sensitive scale and with no interposed shielding to determine that its radioactivity cannot be distinguished from background. All radiation labels shall be removed or obliterated.
- C. A record of each such disposal permitted under this License Condition shall be retained for three years. The record must include the date of disposal, the date on which the byproduct material was placed in storage, the radionuclides disposed, the survey instrument used, the background dose rate, the dose rate measured at the surface of each waste container, and the name of the individual who performed the disposal.
18. 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. Application dated September 21, 1998  
 B. Letter dated October 19, 1998  
 C. Letter dated January 26, 2000  
 D. Letter dated February 29, 2000  
 E. Letter dated August 22, 2001

For the U.S. Nuclear Regulatory Commission

Date September 12, 2001

By

**Original signed by Sattar Lodhi, Ph.D.**

Sattar Lodhi, Ph.D.  
 Nuclear Materials Safety Branch 2  
 Division of Nuclear Materials Safety  
 Region I  
 King of Prussia, Pennsylvania 19406

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