



STOWERS INSTITUTE®
FOR MEDICAL RESEARCH

19 February 2009

Materials Licensing Section
U.S. Nuclear Regulatory Commission
Region III
2443 Warrenville Road, Suite 210
Lisle, Illinois 60532-4352

Subject: **LICENSE AMENDMENT APPLICATION – PLEASE EXPEDITE**
License No: 24-32242-01

The Stowers Institute for Medical Research (Stowers Institute) requests an amendment to the U.S. Nuclear Regulatory Commission (NRC) Radioactive Materials License, as detailed below. The item numbers correspond to those on the NRC Form 313, Application for Material License. Only those items pertinent to this amendment are listed.

Item 1. This application is for amendment of license no. 24-32242-01

Item 2. The name and mailing address of the applicant:

Stowers Institute for Medical Research
1000 E. 50th Street
Kansas City, MO 64110

Item 3. Same address as above.

Item 4. The person to be contacted about this application is Ms. Tonyea R. Inglis, Radiation Safety Officer, phone (816) 926-4434, fax (816) 926-2076; e-mail tri@stowers.org.

Item 7. The following person is already an authorized user on this license for Phosphorus-32 and Sulfur-35. The Stowers Institute requests the **addition** of the following person to the license as an authorized user for the **additional** corresponding material listed:

Sue L. Jaspersen, Ph.D.
Assistant Investigator

Phosphorus-32 (already listed)
Sulfur 35 (already listed)
Hydrogen-3(wish to add at this time)

Sue L. Jaspersen previous radiation safety training:

Training courses were general in nature, covering the principals of radiation protection, radioactivity measurements, and biological effects of radiation exposure.

Course Title	Institution	Duration of Training
Radiation Safety Training	University of Nebraska Medical Center	2 hours
Radiation Safety Training	Univerisity of California, San Francisco	3 hours
Radiation Safety Training	University of Colorado	3 hours
Radiation Safety Training	Stowers Institute for Medical Research	3 hours initial + annual refresher

Sue L. Jaspersen previous experience with radioisotopes:

³²P: Kinase assays; 2 – 200 uCi per procedure; conducting since 01/95.

ATP binding / hydrolysis; 5 – 400 uCi per procedure; conducting since 04/04.

³⁵S: labeling yeast cells or production of protein in rabbit reticulocyte lysates; 0.2 – 30 mCi per procedure; conducting since 01/96.

³H: labeling proteins with acetyl groups to study the enzymes that modify proteins by acetylation; ~ 250 uCi per procedure; conducting since 12/07

If you have any questions or require additional information, please contact me at the number(s) listed in Item 4. Thank you in advance for your prompt action on our behalf.

Stowers Institute for Medical Research



Tonyea R. Inglis
Radiation Safety Officer

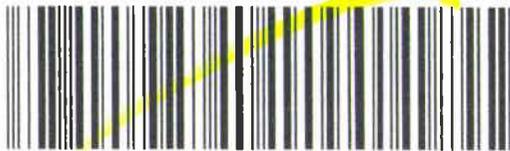


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