

Yale Environmental Health & Safety

135 College Street, Suite 100
New Haven, Connecticut 06510-2411

Br 1

Telephone: 203 785-3550
Fax: 203 785-7588
www.yale.edu/ehs

May 22, 2012

Thomas Thompson
USNRC Region 1 DNMS
2100 Renaissance Blvd
King of Prussia, PA 19406

RECEIVED
REGION 1
2012 MAY 23 AM 10:18

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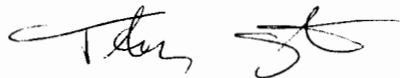
Subject: Amendment to Add an Authorized User - Yale University License # 06-00183-07

Dear Mr. Thompson,

Please accept this letter and attachments as a request to add Ming-Kai Chen as an Authorized User under 10 CFR 35.100, 10 CFR 35.200, and 10 CFR 35.500, to Yale University License # 06-00183-07. Dr. Chen is already listed as an Authorized User for these same uses on Yale New Haven Hospital's Medical Use license # 06-00819-03, as documented in the attached letter. In addition, attached you will find a copy of Dr. Chen's certification by The American Board of Nuclear Medicine.

If you have any questions regarding this matter or need any further information, please feel free to contact me at (203) 737-2140. Thank you for your assistance.

Sincerely,



Tammy Stemen, CHP
Radiation Safety Officer
Yale University
tammy.stemen@yale.edu

577639
NMSS/RGN1 MATERIALS-002

NRC FORM 313
(1-2012)
10 CFR 30, 32, 33,
34, 35, 36, 39, and 40

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED BY OMB: NO. 3150-0120

EXPIRES: (03/31/2012)

APPLICATION FOR MATERIALS LICENSE

Estimated burden per response to comply with this mandatory collection request: 4.3 hours. Submittal of the application is necessary to determine that the applicant is qualified and that adequate procedures exist to protect the public health and safety. Send comments regarding burden estimate to the Information Services Branch (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to Infocollects.Resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0120), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.

INSTRUCTIONS: SEE THE APPROPRIATE LICENSE APPLICATION GUIDE FOR DETAILED INSTRUCTIONS FOR COMPLETING APPLICATION. SEND TWO COPIES OF THE ENTIRE COMPLETED APPLICATION TO THE NRC OFFICE SPECIFIED BELOW.

APPLICATION FOR DISTRIBUTION OF EXEMPT PRODUCTS FILE APPLICATIONS WITH:

OFFICE OF FEDERAL & STATE MATERIALS AND ENVIRONMENTAL MANAGEMENT PROGRAMS
DIVISION OF MATERIALS SAFETY AND STATE AGREEMENTS
U.S. NUCLEAR REGULATORY COMMISSION
WASHINGTON, DC 20555-0001

ALL OTHER PERSONS FILE APPLICATIONS AS FOLLOWS:

IF YOU ARE LOCATED IN:

ALABAMA, CONNECTICUT, DELAWARE, DISTRICT OF COLUMBIA, FLORIDA, GEORGIA, KENTUCKY, MAINE, MARYLAND, MASSACHUSETTS, NEW HAMPSHIRE, NEW JERSEY, NEW YORK, NORTH CAROLINA, PENNSYLVANIA, PUERTO RICO, RHODE ISLAND, SOUTH CAROLINA, TENNESSEE, VERMONT, VIRGINIA, VIRGIN ISLANDS, OR WEST VIRGINIA,

SEND APPLICATIONS TO:

LICENSING ASSISTANCE TEAM
DIVISION OF NUCLEAR MATERIALS SAFETY
U.S. NUCLEAR REGULATORY COMMISSION, REGION I
475 ALLENDALE ROAD
KING OF PRUSSIA, PA 19406-1415

IF YOU ARE LOCATED IN:

ILLINOIS, INDIANA, IOWA, MICHIGAN, MINNESOTA, MISSOURI, OHIO, OR WISCONSIN,
SEND APPLICATIONS TO:

MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

ALASKA, ARIZONA, ARKANSAS, CALIFORNIA, COLORADO, HAWAII, IDAHO, KANSAS, LOUISIANA, MISSISSIPPI, MONTANA, NEBRASKA, NEVADA, NEW MEXICO, NORTH DAKOTA, OKLAHOMA, OREGON, PACIFIC TRUST TERRITORIES, SOUTH DAKOTA, TEXAS, UTAH, WASHINGTON, OR WYOMING,

SEND APPLICATIONS TO:

NUCLEAR MATERIALS LICENSING BRANCH
U.S. NUCLEAR REGULATORY COMMISSION, REGION IV
1600 E. LAMAR BOULEVARD
ARLINGTON, TX 76011-4511

PERSONS LOCATED IN AGREEMENT STATES SEND APPLICATIONS TO THE U.S. NUCLEAR REGULATORY COMMISSION ONLY IF THEY WISH TO POSSESS AND USE LICENSED MATERIAL IN STATES SUBJECT TO U.S. NUCLEAR REGULATORY COMMISSION JURISDICTIONS.

1. THIS IS AN APPLICATION FOR (Check appropriate item)

- A. NEW LICENSE
- B. AMENDMENT TO LICENSE NUMBER 06-00183-07
- C. RENEWAL OF LICENSE NUMBER

2. NAME AND MAILING ADDRESS OF APPLICANT (Include ZIP code)

Yale University
Environmental Health and Safety
135 College St. First Floor Suite 100
New Haven, CT 06510

3. ADDRESS WHERE LICENSED MATERIAL WILL BE USED OR POSSESSED

Yale University
PET Research Center
801 Howard Avenue
New Haven, CT 06510

4. NAME OF PERSON TO BE CONTACTED ABOUT THIS APPLICATION

Tammy Stemen, CHP - Radiation Safety Officer

TELEPHONE NUMBER

(203) 737-2140

SUBMIT ITEMS 5 THROUGH 11 ON 8-1/2 X 11" PAPER. THE TYPE AND SCOPE OF INFORMATION TO BE PROVIDED IS DESCRIBED IN THE LICENSE APPLICATION GUIDE.

5. RADIOACTIVE MATERIAL
a. Element and mass number; b. chemical and/or physical form; and c. maximum amount which will be possessed at any one time.

6. PURPOSE(S) FOR WHICH LICENSED MATERIAL WILL BE USED.

7. INDIVIDUAL(S) RESPONSIBLE FOR RADIATION SAFETY PROGRAM AND THEIR TRAINING EXPERIENCE.

8. TRAINING FOR INDIVIDUALS WORKING IN OR FREQUENTING RESTRICTED AREAS.

9. FACILITIES AND EQUIPMENT.

10. RADIATION SAFETY PROGRAM.

11. WASTE MANAGEMENT.

12. LICENSE FEES (See 10 CFR 170 and Section 170.31)

FEE CATEGORY EX AMOUNT ENCLOSED \$ 0.00

13. CERTIFICATION. (Must be completed by applicant) THE APPLICANT UNDERSTANDS THAT ALL STATEMENTS AND REPRESENTATIONS MADE IN THIS APPLICATION ARE BINDING UPON THE APPLICANT.

THE APPLICANT AND ANY OFFICIAL EXECUTING THIS CERTIFICATION ON BEHALF OF THE APPLICANT, NAMED IN ITEM 2, CERTIFY THAT THIS APPLICATION IS PREPARED IN CONFORMITY WITH TITLE 10, CODE OF FEDERAL REGULATIONS, PARTS 30, 32, 33, 34, 35, 36, 39, AND 40, AND THAT ALL INFORMATION CONTAINED HEREIN IS TRUE AND CORRECT TO THE BEST OF THEIR KNOWLEDGE AND BELIEF.

WARNING: 18 U.S.C. SECTION 1001 ACT OF JUNE 25, 1948 62 STAT. 749 MAKES IT A CRIMINAL OFFENSE TO MAKE A WILLFULLY FALSE STATEMENT OR REPRESENTATION TO ANY DEPARTMENT OR AGENCY OF THE UNITED STATES AS TO ANY MATTER WITHIN ITS JURISDICTION.

CERTIFYING OFFICER - TYPED/PRINTED NAME AND TITLE

Peter Salovey, Ph.D., Provost

SIGNATURE

DATE

15 May 2012

FOR NRC USE ONLY

| TYPE OF FEE | FEE LOG | FEE CATEGORY | AMOUNT RECEIVED | CHECK NUMBER | COMMENTS |
|-------------|---------|--------------|-----------------|--------------|----------|
| | | | \$ | | |
| APPROVED BY | | | | DATE | |



Radiation Safety Committee

Memorandum

TO: Ming-Kai Chen, M.D.

FROM: Michael J. Bohan, Radiation Safety Officer

DATE: January 21, 2010

SUBJECT: Approval as an Authorized User

The Radiation Safety Committee, met on January 19, 2011, to consider your application to become an authorized user of byproduct materials under 10 CFR Part 35.100 (uptake, dilution and excretion), 10 CFR 35.200 (imaging and localization), 10 CFR 35.300 (radiopharmaceutical therapy) and 10 CFR 35.1000 (Other Medical Uses), specifically for Y-90 SirSpheres. Your credentials were found to meet the NRC's requirements for Authorized User status in these areas of use and the Committee unanimously voted to approve your application.

We have determined that you meet the training and experience requirements specified in sections (c)(1) & (c)(2) (preceptor statement) of 10 CFR Part 35.190 (uptake, dilution and excretion), 10 CFR Part 35.290 (imaging and localization) and 10 CFR 35.390 (radiopharmaceutical therapy). In addition, you have documented experience in more than three SirSpheres cases.

Therefore, you are hereby approved as an Authorized User under the NRC Broad Scope License No.: 06-00819-03, to use byproduct material radioisotope sources for the previously described uses.

Please call us at (203) 688-2950, if you have any questions.

Michael J. Bohan
YNHH Radiation Safety Officer

The American Board of Nuclear Medicine

Incorporated 1971

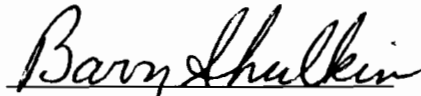
Certifies that

Ming-Kai Chen, M.D., Ph.D.

*has met the requirements of this Board and is qualified
during the period of 2010 through 2020 to practice as a Specialist
in all aspects of Clinical and Laboratory*

Nuclear Medicine

*Maintenance of this certificate requires full participation in the ABNM's
Maintenance of Certification program.*



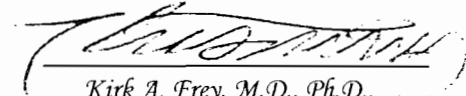
*Barry L. Shulkin, M.D., MBA.
Chairman*



7902

Number

United States



*Kirk A. Frey, M.D., Ph.D.
Secretary-Treasurer*

This is to acknowledge the receipt of your letter/application dated

05/22/2012, and to inform you that the initial processing which includes an administrative review has been performed.

Amendment (06-00183-07)

There were no administrative omissions. Your application was assigned to a technical reviewer. Please note that the technical review may identify additional omissions or require additional information.

Please provide to this office within 30 days of your receipt of this card

A copy of your action has been forwarded to our License Fee & Accounts Receivable Branch, who will contact you separately if there is a fee issue involved.

Your action has been assigned **Mail Control Number** 577639.
When calling to inquire about this action, please refer to this control number.
You may call us on (610) 337-5398, or 337-5260.