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NRC FORM 313A (AUD) (3-2007) U.S. NUCLEAR REGULATORY COMMISSION <b>AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION</b> (for uses defined under 35.100, 35.200, and 35.500) [10 CFR 35.190, 35.290, and 35.590]		APPROVED BY OMB: NO. 3150-0120 EXPIRES: 10/31/2008									
Name of Proposed Authorized User <i>Karthik Sheka M.D.</i>		State or Territory Where Licensed <i>PA</i>									
Requested Authorization(s) (check all that apply) <input type="checkbox"/> 35.100 Uptake, dilution, and excretion studies <input checked="" type="checkbox"/> 35.200 Imaging and localization studies <input type="checkbox"/> 35.500 Sealed sources for diagnosis (specify device _____)											
<b>PART I -- TRAINING AND EXPERIENCE</b> <i>(Select one of the three methods below)</i>											
* Training and Experience, including board certification, must have been obtained within the 7 years preceding the date of application or the individual must have obtained related continuing education and experience since the required training and experience was completed. Provide dates, duration, and description of continuing education and experience related to the uses checked above.											
<input type="checkbox"/> <b>1. Board Certification</b> a. Provide a copy of the board certification. b. If using only 35.500 materials, stop here. If using 35.100 and 35.200 materials, skip to and complete Part II Preceptor Attestation.											
<input checked="" type="checkbox"/> <b>2. Current 35.390 Authorized User Seeking Additional 35.290 Authorization</b> a. Authorized user on Materials License _____ meeting 10 CFR 35.390 or equivalent Agreement State requirements seeking authorization for 35.290. b. Supervised Work Experience. <i>(If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)</i>											
<table border="1"> <thead> <tr> <th>Description of Experience</th> <th>Location of Experience/License or Permit Number of Facility</th> <th>Clock Hours</th> <th>Dates of Experience*</th> </tr> </thead> <tbody> <tr> <td>Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		Description of Experience	Location of Experience/License or Permit Number of Facility	Clock Hours	Dates of Experience*	Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs					
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Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs											
<b>Total Hours of Experience:</b>											
Supervising Individual		License/Permit Number listing supervising individual as an authorized user									
Supervisor meets the requirements below, or equivalent Agreement State requirements (check all that apply). <input type="checkbox"/> 35.290 <input type="checkbox"/> 35.390 + generator experience in 32.290(c)(1)(ii)(G)											

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U.S. NUCLEAR REGULATORY COMMISSION

NRC FORM 313A (AUD) (9-2007) **AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Training and Experience for Proposed Authorized User**

**a. Classroom and Laboratory Training.**

Description of Training	Location of Training	Clock Hours	Dates of Training*
Radiation physics and instrumentation	Institute for Nuclear Medical Education	100	4/03 - 5/04
Radiation protection	Institute for Nuclear Medical Education	30	4/03 - 5/04
Mathematics pertaining to the use and measurement of radioactivity	Institute for Nuclear Medical Education	30	4/03 - 5/04
Chemistry of byproduct material for medical use (not required for 35.590)	Institute for Nuclear Medical Education	20	4/03 - 5/04
Radiation biology	Institute for Nuclear Medical Education	30	4/03 - 5/04
<b>Total Hours of Training:</b>			

**b. Supervised Work Experience (completion of this table is not required for 35.590). (If more than one supervising individual is necessary to document supervised work experience, provide multiple copies of this section.)**

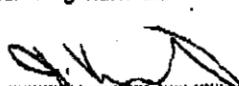
Supervised Work Experience		Total Hours of Experience:		
Description of Experience Must include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*	
Ordering, receiving, and unpacking radioactive materials safely and performing the related radiation surveys	Maimonides Med. Ctr. Brooklyn, NY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7/2001 - 6/2004	
Performing quality control procedures on instruments used to determine the activity of dosages and performing checks for proper operation of survey meters	Maimonides Med. Ctr. Brooklyn, NY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7/2001 - 6/2004	

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**AUTHORIZED USER TRAINING AND EXPERIENCE AND PRECEPTOR ATTESTATION (continued)**

**3. Training and Experience for Proposed Authorized User (continued)**

**b. Supervised Work Experience. (continued)**

Description of Experience Must include:	Location of Experience/License or Permit Number of Facility	Confirm	Dates of Experience*
Calculating, measuring, and safely preparing patient or human research subject dosages	Maimonides Med. Ctr. Brooklyn, NY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7/2001 - 6/2004
Using administrative controls to prevent a medical event involving the use of unsealed byproduct material	Maimonides Med. Ctr. Brooklyn, NY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7/2001 - 6/2004
Using procedures to contain spilled byproduct material safely and using proper decontamination procedures	Maimonides Med. Ctr. Brooklyn, NY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7/2001 - 6/2004
Administering dosages of radioactive drugs to patients or human research subjects	Maimonides Med. Ctr. Brooklyn, NY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7/2001 - 6/2004
Eluting generator systems appropriate for the preparation of radioactive drugs for imaging and localization studies, measuring and testing the eluate for radionuclidic purity, and processing the eluate with reagent kits to prepare labeled radioactive drugs	Maimonides Med. Ctr. Brooklyn, NY	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	7/2001 - 6/2004

Supervising Individual:  (Joshua Kerstein) License/Permit Number listing supervising individual as an authorized user: CBNC Certification #2423

Supervisor meets the requirements below, or equivalent Agreement State requirements (check one).

- 35.190     35.290     35.390     35.390 + generator experience in 35.290(c)(1)(ii)(G)

**c. For 35.590 only, provide documentation of training on use of the device.**

Device	Type of Training	Location and Dates
<del> </del>		

**d. For 35.500 uses only, stop here. For 35.100 and 35.200 uses, skip to and complete Part II Preceptor Attestation.**

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PART II - PRECEPTOR ATTESTATION

Note: This part must be completed by the individual's preceptor. The preceptor does not have to be the supervising individual as long as the preceptor provides, directs, or verifies training and experience required. If more than one preceptor is necessary to document experience, obtain a separate preceptor statement from each. (Not required to meet training requirements in 35.580)

First Section

Check one of the following for each use requested:

For 35.190

Board Certification

I attest that [Name of Proposed Authorized User] has satisfactorily completed the requirements in

10 CFR 35.190(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

OR

Training and Experience

I attest that [Name of Proposed Authorized User] has satisfactorily completed the 80 hours of training and

experience, including a minimum of 8 hours of classroom and laboratory training, required by 10 CFR 35.190(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100.

For 35.290

Board Certification

I attest that [Name of Proposed Authorized User] has satisfactorily completed the requirements in

10 CFR 35.290(a)(1) and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

OR

Training and Experience

I attest that Karthik Sankar M.D. has satisfactorily completed the 700 hours of training

and experience, including a minimum of 80 hours of classroom and laboratory training, required by 10 CFR 35.290(c)(1), and has achieved a level of competency sufficient to function independently as an authorized user for the medical uses authorized under 10 CFR 35.100 and 35.200.

Second Section

Complete the following for preceptor attestation and signature:

I meet the requirements below, or equivalent Agreement State requirements, as an authorized user for:

- 35.190 35.290 35.390 35.390 + generator experience

Table with columns: Name of Preceptor, Signature, Telephone Number, Date, License/Permit Number/Facility Name. Includes handwritten entries for Alvin Greengart, Karthik Sankar, and Maimonides Medical Center.