

Mid-Atlantic Permanente Medical Group, P.C. Kaiser Foundation Health Plan of the Mid-Atlantic States, Inc.

NMSB 2

May 20, 2005

U.S. Nuclear Regulatory Commission, Region II Materials Licensing Division of Nuclear Material Safety Atlanta Federal Center 61 Forsyth Street, SW, Suite 23T85 Atlanta, GA 30303

03036776

RE: Amendment request for license 45-30980-01

Attention: Licensing

Please amend the above referenced license to add as authorized user Yaning Liu, M.D. I have included the Training and Experience and Preceptor Statement for your review. Your assistance with this request is much appreciated.

Sincerely,

Carve ? cusilnili mo Carol P. Cardinale, MD

Radiation Safety Officer



Department of Radiology Phone: (732) 235-7721/7722/7723

Fax: (732) 235-6889

One Robert Wood Johnson Place, P.O. Box 19 New Brunswick, New Jersey 08903-0019

June 9, 2000

RE: YANING LIU, M.D.

To Whom It May Concern:

This letter is to certify that Dr. Yaning Liu has gained clinical and technical expertise in nuclear cardiology at Robert Wood Johnson University Hospital and Deborah Heart and Lung Center in New Jersey. This experience was gained during her cardiology fellowship. During this time, Dr. Liu has been active in the performance and interpretation of nuclear cardiology imaging procedures. These procedures include exercise, pharmacologic stress imaging, resting myocardial perfusion scans employing thallium and technetium-based agents as well as SPECT technique. Gated blood pool imaging as well as infarct avid imaging was also performed.

Dr. Liu has spent a total of 2 months in formal non-invasive stress/imaging and 1-1/2 months in nuclear medicine rotations at Robert Wood Johnson University Hospital from July 1998 through June 2000. Also during her fellowship there was correlation of nuclear cardiology procedures while on her clinical rotations. Dr. Liu's exposure to nuclear cardiology has also included didactic monthly conferences, case presentations, and clinical conferences during her rotation through nuclear cardiology and has involved greater than 600 myocardial perfusion examinations including planar, SPECT, and gated SPECT technique, as well as gated blood pool examinations. During her rotation through the Nuclear Medicine Department she has gained experience in quality control/assurance, dose calibration of survey meters, administration of radiopharmaceuticals, computer processing, radiation safety, as well as general operation of our facility in compliance with the NRC regulations. Dr. Liu has accrued in excess of 583 hours of clinical and technical experience in nuclear medicine while at our facility.

WAC: IL

June 9, 2000 Page 2

Dr. Liu has also gained experience in nuclear cardiology during her rotations through Deborah Heart and Lung Center. Please find attached copies of letters from Dr. Lumia of Deborah Heart and Lung Center where he describes Dr. Liu's experience best in the letter dated March 3, 2000. Dr. Liu had spent a total of four months at Deborah Heart and Lung Center. Dr. Lumia credits her with three months of clinical and work experience towards NRC licensure. This would be a total of 500 hours of clinical and work experience.

Dr. Liu accrued in excess of 1000 hours of clinical and technical experience in nuclear cardiology combining her rotations at Robert Wood Johnson University Hospital and the Deborah Heart and Lung Center in New Jersey.

If I can provide any further information regarding Dr. Liu's training you may contact me at the address above or by phone at 732-937-8612.

Sincerely,

Clinical Associate Professor
Department of Radiology

UMDNJ-Robert Wood Johnson Medical School

Chief, Division of Nuclear Medicine Robert Wood Johnson University Hospital

APY/fl

Enclosure

NRC FORM 313A (10-2002) U.S. NUCLEAR REGULATORY COMMISSION

Category

APPROVED BY OMB: NO. 3150-0120

Month and Year

Certified

EXPIRES: 10/31/2005

TRAINING AND EXPERIENCE AND PRECEPTOR STATEMENT

PART I -- TRAINING AND EXPERIENCE

Note: Descriptions of training and experience must contain sufficient detail to match the training and experience criteria in the applicable regulations.

3. CERTIFICATION

- Name of Individual, Proposed Authorization (e.g., Radiation Safety Officer), and Applicable Training Requirements (e.g., 10 CFR 35.50)
 - Yaning LIU, MD, Ph.D
- 2. For Physicians, Podiatrists, Dentists, Pharmacists -- State or Territory Where Licensed

Specialty Board

Virginia, Maryland, District of Columbia (DC)

Stop here when using Board	Certification to meet 10 CFR Part 3	5 training and experienc	e requirements.
4. DIDACTIC OR CLASS	ROOM AND LABORATORY TRAININ	NG (optional for Medica	l Physicists)
Description of Training	Location	Clock Hours	Dates of Training
Radiation Physics and Instrumentation	Institute for Nuclear Medical Education Island Airport Blud. Sciol Boulder, CO SOBOI	100 hrs-Insig 100 hrs-Phy	10120199
Radiation Protection	11	100 hrs	312212000
Mathematics Pertaining to the Use and Measurement of Radioactivity			
Radiation Biology			
Chemistry of Byproduct Material for Medical Use	11	iou has	3/26/2000
OTHER			

NRC FORM 313/ (10-2002)	-	EXPERIENC	CE AND PRECEPTOR STATE	U.S. NUCLEAR REGULA EMENT (continued)	ATORY COMMISSION
		5a. WORK	EXPERIENCE WITH RADIATI	ON	
Description of Experience			Name of Supervising Individual(s)	Location and Corresponding Materials License Number	Dates and Clock Hours of Experience
Klick	lear Carden	losy 1	Individual(s) AWTHONY P. YULL UN, PUD	New Pronsuick	Huy
1/600	171110		Will John	New MUNICICAL	1 3
				74-10127 79-10173-02	76/21405
				79-10173-02	
	5b.	SUPERVISE	D CLINICAL CASE EXPERIE	NCE	
Radionuclide	Type of Use	No. of Case Involving Personal Participation	Supervising	Location and Corresponding Materials License Number	Dates and Clock Hours of Experience
ic9921	Trof GBP	1004	1 1 1	24-10173-02	7
Tlesi	Per filien/Myoca	elol (ac	pt		16/2 1100
k 9414-1711B1	Refusin Mysica	shif 600	+ /		
			-		
			-		

NRC FORM 3 (10-2002)		G AND EXPERIENCE AN	D PRECEPTOR STATE	U.S. NUCLEAR REGULATORY COMMISSION (CONTINUED)	
	6. FORMAI	L TRAINING (applies to N	Medical Physicists and	Therapy Physicians)	
Degree, Area of Study or Residency Program		Name of Program and Location with Corresponding Materials License Number	Dates	Name of Organization that Approved the Program (e.g., Accreditation Council for Graduate Medical Education) and the Applicable Regulation (e.g., 10 CFR 35.490)	
YES NA		on SAFETY OFFICER Confull-time radiation safety ex		fied in item 5a) under supervison	
☐ YES ☑ N/A		PHYSICIST ONE-YEAR full-time training in therape	eutic radiological physics		
YES Completed 1-year of full-time work experience (for areas identified in item 5a) for modality(les) under the supervision of who meets requirements of Authorized Medical Physicists for modality(ies).					
	9. SUPER	VISING INDIVIDUAL - IE	ENTIFICATION AND C	UALIFICATIONS	
needed to m		ed above was obtained und OCFR 35, provide the follo B. Superviso	wing information for eac	more than one supervising individual is h) :	
Antl	iony Yodd, M.		orized User ation Safety Officer	Authorized Medical Physicist Authorized Nuclear Pharmacist	
C. Supe	ervisor meets requirem	ents of Part 35, Section(s)	160, 200, 70		
for m	edical uses in Part 35,	Section(s) 100	1,200, 300		
D. Addr	ess ant Wood Roveriench	Tohusm Th	iv. Hosp	E. Materials License Number 29-10173-02	
Kew	DRUDIWICK,	W 08903	737-937-86	10	

D. SIGNATURE PRECEPTION

732-937-8610

C. NAME OF PRECEPTOR (print clearly)

1-29-04

NUCLEAR MEDICAL EDUCATION PROGRAM Affidavit of Academic Completion and Competency

This document is to attest that

Yaning Liu, MD, Ph.D

has successfully completed the didactic program

MEDICAL RADIATION INSTRUMENTATION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 50 Didactic Instructional Hours (DIH)
 (In compliance with 10CFR35 and Agreement States)
- 5 Continuing Education Units (CEU)

20 October 1999

Date Class Commenced

Charles H. Rose

197771

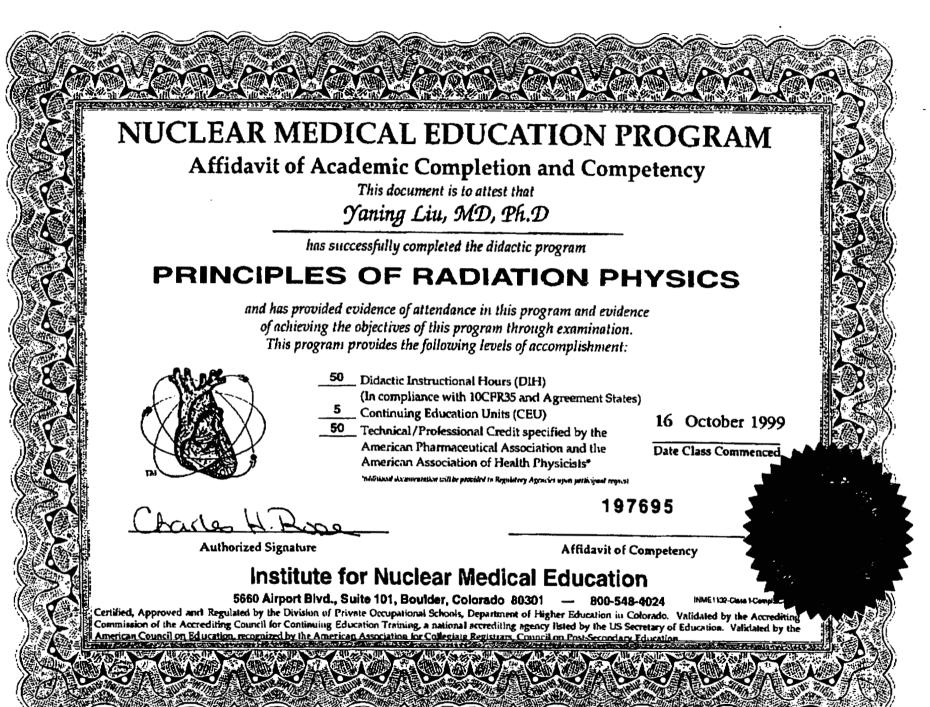
Authorized Signature

Affidavit of Competency

Institute for Nuclear Medical Education

5660 lirport Blvd., Suite 101, Boulder, Colorado 80301 — 800-548-4024

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrans, Council on Post-Secondary Education.



NUCLEAR MEDICAL EDUCATION PROGRAM

Affidavit of Academic Completion & Competency

This document is to attest that

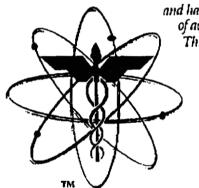
Yaning Liu, MD, Ph.D

has successfully completed the didactic program

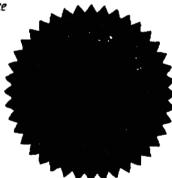
MEDICAL RADIATION PROTECTION

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination.

This program provides the following levels of accomplishment:



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH)
 In compliance with 10CFR35/AEA 73-689
- __50 Board Accepted Hours NUSPEX, NMTCB III b, ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on Education (ACE), American Association for Collegiate Registrars



Charles N. Rose
Certifying Official

22 March 2000

Date Completed

198115

Certification

Institute for Nuclear Medical Education

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Council for Continuing Education Training, a national accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.

NUCLEAR MEDICAL EDUCATION PROGRAM

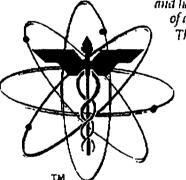
Affidavit of Academic Completion & Competency

This document is to attest that

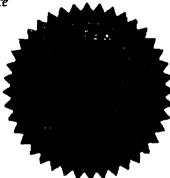
Yaning Liu, MD, Ph.D
has successfully completed the didactic program

RADIOPHARMACEUTICALS AND CHEMISTRY

and has provided evidence of attendance in this program and evidence of achieving the objectives of this program through examination. This program provides the following levels of accomplishment:



- 5.0 Continuing Education Units (CEU)
- 50 Didactic Instructional Hours (DIH) In compliance with 10CFR35/AEA 73-689
- ________Board Accepted Hours NUSPEX, NMTCB III b, ABMRSO, CBNC, MRLB
- 3.0 Semester Hours American Council on Education (ACE), American Association for Collegiate Registrars



Certifying Official

2000 March

Date Completed

198197

Certification

Institute for Nuclear Medical Education

Certified, Approved and Regulated by the Division of Private Occupational Schools, Department of Higher Education in Colorado. Validated by the Accrediting Commission of the Accrediting Council for Continuing Education Training, a untional accrediting agency listed by the US Secretary of Education. Validated by the American Council on Education, recognized by the American Association for Collegiate Registrars, Council on Post-Secondary Education. Licensed by NRC & Agreement States.

includes an administrative review i	and to inform you that the initial processing which has been performed.
There were no administrative or technical reviewer. Please note omissions or require additional	るっつ/ missions. Your application was assigned to a e that the technical review may identify additional information.
Please provide to this office wit	hin 30 days of your receipt of this card
	warded to our License Fee & Accounts Receivable rately if there is a fee issue involved.
Your action has been assigned Ma When calling to inquire about this You may call us on (610) 337-539	action, please refer to this control number. 8, or 337-5260.
NRC FORM 532 (RI) (6-96)	Sincerely, Licensing Assistance Team Leader