

**2012 Annual Spring Meeting**  
*Pacific Northwest Chapter*  
**Society of Nuclear Medicine**

**SNM**  
Advancing Molecular Imaging and Therapy



March 10-11, 2012

Embassy Suites Downtown  
319 SW Pine St  
Portland, OR 97204  
Tel: 503.279.9000

*A Program for your Practice!*

We have an outstanding program focused on the needs and concerns of nuclear medicine imaging. Talks by local and national experts describe changes in practice, regulations, coding, and accreditation. There are also presentations on the role of nuclear medicine from an oncologist's perspective, some 'pearls' of imaging, and technology updates.

Join us at the charming Embassy Suites Downtown, located in the century-old Multnomah building. Right in the heart of downtown Portland, it is easy walking distance to Powell's books, the waterfront, and the Amtrak Union Station

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of the SNM and the Northern California Chapter, SNM. SNM is accredited by the ACCME to provide continuing medical education for physicians.

The SNM designates this educational activity for a maximum of 10.5 AMA PRA Category 1 credit(s)<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity. We will apply for 1 Self-Assessment Credit for Session V from the American Board of Nuclear Medicine. As of this printing, we have not yet received approval.

**VOICE credit is pending approval from the SNMTS.**

**Course Description & General Learning Objectives:**

This course is designed to update physicians, scientists and technologists on emerging applications of nuclear medicine and valuable techniques that can be immediately applied to their clinical decision making. The course will enable participants to improve their performance and interpretation of nuclear medicine studies and gain insight into clinical challenges and new developments in the field of nuclear medicine.

***If you have a disability which requires special accommodations, please call the WRSNM (425-893-8410) and advise us of your needs at least two weeks in advance of the program.***

## **About the Pacific Northwest Chapter**

The Pacific Northwest Chapter of SNM, Inc. has over 700 active members representing professionals from Washington, Oregon, Idaho, Montana, Wyoming, Colorado, Utah, Alaska, Hawaii, and British Columbia, Canada. The Chapter hosts a number of grassroots activities throughout the year, including:

- ✧ Continuing education and research activities, including an Annual Meeting
- ✧ A professional networking forum for members
- ✧ A mechanism for encouraging and enhancing professional leadership
- ✧ Monitoring and addressing of nuclear medicine professional issues at the local level

Members are also eligible to serve on Chapter committees including CME, Nominations, and Executive Committees. Participation is most welcome. If you are interested please contact [wrsocietynucmed@gmail.com](mailto:wrsocietynucmed@gmail.com).

Chapter President	Paul E. Kinahan, PhD
Chapter President-Elect	Helen R. Nadel, MD
Western Regional Board Member	David H. Lewis, MD
Chapter Administrator	Susan Hogeboom
SNMTS Chapter President	Subodh M. Duggal, CNMT, BSc, RT (N)

## **HOTEL INFORMATION**

**Embassy Suites® Hotel Portland Downtown**  
**319 SW Pine St, Portland, OR 97204-2726**  
**Tel.: 503.279.9000**  
**Website: [www.embassysuites.citysearch.com](http://www.embassysuites.citysearch.com)**

The Embassy Suites® Hotel, located in the historic Multnomah Hotel, is located in the heart of Portland. Portland offers a variety of restaurants, shopping and nightspots within easy walking distance of the hotel. The Rose Quarter and Lloyd Center are accessible by using the MAX, Portland's light rail which also runs from Portland International Airport. Don't miss the Waterfront Park, Pioneer Place and Powell's bookstore.

### ***Room Rates:***

***(Make your reservations by February 9)***

***Single/Double \$144.00***

***Triple \$159.00***

***Quad \$184.00***

***NOTE: Guests WITHIN the PNW room block will receive complimentary valet parking (\$30//night value).***

The guest suites, each suite a two-room guest suite, includes a full complimentary cooked-to-order breakfast served each morning (beginning at 7:00am on the weekends), an evening manager's reception, full exercise fitness center and indoor pool, sauna and whirlpool.

**NOTE: We will only serve coffee/tea at registration because breakfast is included in your room rate.**

2012 PNW Chapter Spring Meeting

Chairman: Paul Kinahan, PhD

Saturday, March 10

8:00 Welcome and Announcements – Paul Kinahan, PhD,  
Scientific Program Committee Chairman

Session I

8:15 – 9:15 “Dopamine Transporter Imaging (DATSCAN) in  
Parkinson Disease.” David Lewis, MD

Learning Objectives:

1. Illustrate how to perform DATSCAN imaging.
2. Demonstrate how to interpret DATSCAN images.

9:15 – 10:15 “SPECT-CT & SPECT-MRI: Enhanced  
confidence, expanded referrals and better diagnoses -  
without a dedicated instrument.” John Bauman, MD

Learning objectives:

1. Demonstrate the effectiveness of after-the-fact fusion  
of SPECT images with separately acquired CT and MRI  
studies for improving diagnostic confidence and clinical  
outcomes.
2. Illustrate the specific techniques for accomplishing  
high resolution attenuation corrected SPECT and fusing or  
co-registering those data with anatomic studies such as  
CT and MRI.
3. Through case examples show how this technology can  
make remarkable differences in patient care, and open up  
new marketing opportunities that are within the reach of  
essentially any sites with a good quality SPECT unit and  
the appropriate software.

10:15-10:45 Break- Visit the Exhibits.

Session II:

10:45-11:45 “ACR Accreditation in Nuclear Medicine and  
PET.” Carolyn MacFarlane, MS, CNMT, RT(N)

Learning Objectives:

1. Obtain the knowledge of the required qualifications of  
personnel, equipment, image quality and quality control  
measures for ACR accreditation.
2. Examine the goals of the ACR accreditation program  
and the program requirements.
3. Recognize some of the common pitfalls that may cause  
deficiencies in the clinical and phantom submissions.

11:45-12:45 “PET/CT: Interesting Cases with CT  
Correlation.” Eugene Lin, MD

Learning Objectives:

1. Examine less common causes for benign and  
artificial PET/CT findings
2. Analyze the use of CT correlation to better interpret  
PET/CT findings

12:45-2:00 Lunch- Buffet

Session III:

2:00 – 2:30 "Radioactive Materials License Inspections,  
Strategies for Regulatory Compliance" Dave Salmon, RSO

1. Examine the obligations and duties of nuclear medicine  
physicians and technologists under state and federal  
radioactive materials laws and regulations.
2. Evaluate how compliance can be achieved with the  
smallest personal and institutional cost.

2:30 – 3:00 "Zero to 19MeV in Only 7 Years (and  
counting): A Canadian Experience in Developing a PET  
Radiopharmacy" Colin Alden, CNMT

Learning Objectives:

1. List practical steps required in planning a PET  
Radiopharmacy.
2. Identify key costs (capital and operating) in building  
and running a facility.

3:00 – 4:00 “Breast Cancer PET and Molecular Imaging:  
What an Oncologist Needs.” Jennifer Specht, MD

Learning Objectives:

1. Examine fundamentals of breast cancer therapy and  
how PET and molecular imaging aid in breast cancer  
management.
2. Evaluate the importance of PET and molecular imaging  
as a research tool to elucidate breast tumor biology.

4:00-5:00 “Cases for Connoisseurs.” Dan Worsley, MD

Learning Objectives:

1. Identify when additional views or reprocessing help  
solidify a diagnosis.
2. Compare the intellectual, interactive process for  
imaging analysis.
3. Review the importance of critical thinking and  
interaction between physician, technologist and patient,  
in order to “bottom line” medical conclusions on nuclear  
medicine studies.

Sunday, March 11

Session IV:

8:00-9:00 “2012 Nuclear Medicine Coding Updates &  
Tips.” Denise Merlino, MBA, CNMT, FSNMTS, CPC

Learning Objectives:

1. Assess latest Medicare information on payments for  
radiopharmaceuticals, drugs and biological.
2. Examine step by step new 2012 CPT codes for lung  
scans, hepatobiliary scans and DaTscan.
3. Evaluate recent SNM consensus opinions addressing  
some of the most common areas of confusion, such as  
coding for planar and SPECT imaging of parathyroids.
4. Review guidance and tips to help you avoid common  
mistakes, such as unbundling codes and billing for the  
incorrect number of radiopharmaceutical units.

9:00–10:00 “A Review of USP Chapter <797>  
Pharmaceutical Compounding-Sterile Preparations.”  
Robyn Jackson, RT(N) CNMT

Learning Objectives:

1. Discuss the development of USP Chapter <797> as well as to who and when the chapter applies.
2. Describe the compounding risk levels defined in USP Chapter <797>generally and how it applies to radiopharmaceuticals specifically.
3. Explain the importance of particle reduction and actions to take to reduce the potential for contamination of compounded sterile preparations (CSPs).
4. Identify the personnel and facility related metrics of environmental monitoring.
5. Discuss elements of a quality assurance program in sterile compounding.

10:00 – 10:30 Break- Visit the Exhibits – Last Chance!

Session V: SAM Session

10:30 – 11:15 “Gamma Cameras: A Market Survey.”  
Robert Miyaoka, PhD

Learning Objectives:

1. Describe an overview of current gamma cameras, SPECT/CT systems and specialty single photon nuclear medicine imaging systems.
2. List the imaging benefits of SPECT/CT.

11:15-12:00 “Image Gently: Optimized Pediatric Hybrid Imaging.” Helen Nadel, MD

Learning Objectives:

1. Describe techniques to optimize low dose pediatric hybrid imaging.
2. List diseases that can be evaluated with optimized pediatric hybrid imaging.

12:00 Adjourn

Faculty

Colin Alden, CNMT  
Technical Manager, Centre of Excellence for Functional Cancer  
Imaging, BC Cancer Agency  
Vancouver, BC

Robyn Jackson, RT(N) CNMT  
Covidien  
Los Angeles, CA

Eugene Lin, MD  
Department of Radiology  
Virginia Mason Medical Center  
Seattle, WA

Denise Merlino, CNMT, CPC, MBA, FSNM  
Merlino Healthcare Consulting Corp  
Magnolia, MA

Robert Miyaoka, PhD  
Director of SPECT/CT Physics  
University of Washington  
Seattle, WA

Jennifer Specht, MD  
Division of Oncology, Department of Medicine  
University of Washington  
Seattle, WA

John Bauman, MD  
Valley Radiologists  
Valley Medical Center  
Renton, WA

David Lewis, MD  
Director of Nuclear Medicine  
Harborview Medical Center  
Seattle, WA

Carolyn MacFarlane, MS, CNMT, RT(N)  
Program Manager  
Nuclear Medicine/PET Accreditation  
American College Radiology  
Sterling, VA

Helen Nadel, MD  
Head, Division of Nuclear Medicine  
Children’s & Women’s Health Centre of British Columbia  
Vancouver, BC

David Salmon, RSO  
Empiricos LLC  
Freeland, WA

Daniel Worsley, MD  
Nuclear Medicine, VGH  
Vancouver Coastal Health  
Vancouver, BC

PNW 2012 REGISTRATION FORM

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Name *Certification (MD, CNMT, etc.)* *SNM #*

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*Institution*

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*Address*

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*City/State/Zip*

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*Telephone #*

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*E-MAIL*

**REFUNDS ARE SUBJECT TO A \$50 ADMINISTRATIVE FEE. NO REFUNDS AFTER 3/1/12.**

Payment rec'd by	3/1/12	After 3/1/12
<u>Member</u>		
Physician	\$ 350	\$ 400
Technologist	200	250
<u>Non-Member</u>		
Physician	\$ 430	\$ 480
Technologist	280	330
Spouse (Reception)	50	50
Tech Student	30	55

Spouse name: \_\_\_\_\_

**ATTENDEES/SPOUSE/GUEST MUST BE REGISTERED TO ATTEND THE RECEPTION – BADGES MUST BE WORN TO ENTER EXHIBIT ROOM. (Registration for attendees includes coffee breaks, lunch and Ice Breaker Reception with a hosted bar)**

**SPOUSES/GUEST MAY NOT ATTEND CE SESSIONS NOR RECEIVE CE CREDITS.**

Mail check and registration to:

PNW Chapter, SNM; PO Box 2693; Kirkland, WA 98083; Tel: (425) 893-8410 Fax: (425) 822-7902

e-mail: [wrsocietynucmed@gmail.com](mailto:wrsocietynucmed@gmail.com).

CREDIT CARD INFORMATION

CREDIT CARD PAYMENT:

\_\_\_ MC \_\_\_ Visa

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CARD HOLDER NAME (PRINT)

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SIGNATURE

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CARD NUMBER

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EXP DATE

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SECURITY CODE

Please contact the PNW Chapter office if you have any questions regarding this meeting: Tel: (425) 893-8410; Fax: (425) 822-7902. Email: [wrsocietynucmed@gmail.com](mailto:wrsocietynucmed@gmail.com).

**PACIFIC NORTHWEST CHAPTER, SNM  
PO BOX 2693  
KIRKLAND, WA 98083**

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