

**SNM: Academic Council**  
Annual Report April, 2012

**Activities and Accomplishments**

The Academic Council continues to demonstrate vitality and activity in the tradition of service, innovation and support to education in Nuclear Medicine and to the Nuclear Medicine Program Directors.

At the 2012 SNM Midwinter meeting in Orlando, the Academic Council presented a four-hour session. The first portion was "Organizations in Nuclear Medicine – What Are They, What Do they Do, Why Should I Care, and How Can I Get Involved?" This was presented in four parts by Drs. Lorraine Fig, Darlene Metter, Leonie Gordon, and Bennett Greenspan. The second portion was "Radiation Exposure in Nuclear Medicine and National Dose Reduction Initiatives", presented by Dr. Metter. Both portions were given as SAM sessions, and both were interesting, instructive, and well-attended.

At the 2012 Association of University Radiologists (AUR) annual meeting in San Antonio, March 19-22, the AC sponsored a session on "Training and Certification of the Molecular Imager of the Future". This was organized by Dr. Jay Harolds, and featured presentations by Drs. George Segall, representing SNM, Elizabeth Oates, representing ACR, Henry Royal, representing the ABNM, Milton Guiberteau, representing the ABR, Larry Davis, representing the Radiology Residency Review Committee (RRC), and Chris Palestro, representing the NM RRC. The session stimulated a lively discussion and a number of questions.

Communications within the Academic Council remain excellent, including a superb newsletter, due to the efforts of our Secretary, Tracy Brown, MD. The Council is stable financially. Membership also appears to be relatively stable from last year.

The Nuclear Medicine Program Directors Association (NMPDA) continues to be a vital part of the Academic Council, and contributes to dissemination of information to Program Directors. Dr. Darlene Metter has been Chair of the NMPDA since early 2008. Dr. Metter continues to be a vital and integral part of the Academic Council. She has continued to provide strong and innovative leadership, and has continued to provide the NMPDA and the Academic Council overall with valuable information and support.

The intern program is doing well in the Academic Council. The current intern, Erin Grady, MD, has been working on a project to develop teaching modules. She has also been serving as the first Robert E. Henkin Government Relations Fellow.

The Academic Council is also developing Online Teaching File Cases, under the leadership of Dr. Leonie Gordon.

The Nuclear Medicine Program Directors, through the Academic Council and the SNM, provided comments to the ACGME regarding the proposed changes of the Radiology RRC for the Nuclear Radiology Fellowship.

Several Academic Council members have continued to contribute in various ways. Dr. Greenspan serves on the SNM Board of Directors and House of Delegates, and will moderate a session at the 2012 SNM annual meeting. Dr. Leonie Gordon co-chaired one of the subcommittees of the 2020 Task Force, serves on the House of Delegates, has been working on developing the Online teaching File cases, and will moderate a session at the 2012 SNM annual meeting. She has also been serving on the ABNM Board of Directors and the NM RRC. Dr. Lorraine Fig has done an admirable job as Treasurer, and also serves on the NM RRC. Dr. Tracy Brown has job a superb job of editing the AC newsletter. Dr. Darlene Metter has

done an outstanding job as Chair of the Nuclear Medicine Program Directors Association (NMPDA), and has also been involved in the Milestones project of the ACGME.

### **Looking Forward**

There will be several changes in the officers of the Academic Council at the conclusion of the AC/NMPDA meetings at the 2012 SNM annual meeting. Dr. Greenspan will finish his term as President, and Dr. Gordon will assume the Presidency. Dr. Fig finishes her term as Treasurer. Dr. Brown is finishing her term as Secretary, and is running for re-election. Dr. Metter's term as Chair of the NMPDA will be ending, and we will be welcoming the new Chair, Dr. Daniel Lee, of Emory University.

The Academic Council will be sponsoring two sessions at the 2012 SNM annual meeting in Miami. One of these will be the Tom Miller Memorial Lecture – "Artificial Intelligence Systems in Medicine and Diagnostic Imaging", organized and moderated by Dr. Greenspan, to be presented by Eliot Siegel, M.D. The other session will be "Item Writing and Developing SAMs – How to Do Them Well", which is being organized by Leonie Gordon, MD, and will be presented by Dr. Gordon, Dr. Henry Royal and Tony Knight, MBA, CNMT, RT(N), NCT. The AC is in the early planning stages for the 2013 SNM Midwinter meeting and the 2013 AUR annual meeting.

The Academic Council will continue to provide information and support for Nuclear Medicine Program Directors, in part by providing sessions at the SNM annual and Midwinter meetings, and by participating in the AUR meeting, in addition to providing multiple resources for Nuclear Medicine Program Directors.

### **Officers of the Council**

President:	<b>Bennett S. Greenspan, M.D.</b>
Vice President:	<b>Leonie L. Gordon, M.D.</b>
Secretary:	<b>Tracy L. Y. Brown, M.D., Ph.D.</b>
Treasurer:	<b>Lorraine M. Fig, M.D,</b>
Chair, NMPDA	<b>Darlene F. Metter, MD</b>
Immediate Past President:	vacant

### **Mission**

The Academic Council is dedicated to the scientific interchange of ideas among SNM members who have an interest in training and education of undergraduates and graduates in Nuclear Medicine (which includes general Nuclear Medicine, Cardiovascular Nuclear Medicine, PET/CT imaging and Molecular Imaging). The overall mission of the Academic Council is to:

- (a) promote medical education, research and patient care related to Nuclear Medicine,
- (b) provide to membership expertise in the training and education of undergraduates and graduates in Nuclear Medicine, including in mentoring and leadership,
- (c) provide a forum for members for discussion of issues and problems of mutual interest and concern within the Nuclear Medicine community, as well as an informal exchange of ideas and programs,
- (d) provide outreach to other professionals and organizations,
- (e) nurture new membership into the society,
- (f) serve as a resource to Young Professionals in career development, and
- (g) serve as a resource to SNM leadership.

Within the Council there is a subgroup of Program Directors/Associate Program Directors of Nuclear Medicine residency programs (the Nuclear Medicine Program Directors Association, NMPDA). The Academic Council is an advocate for Nuclear Medicine education and training to organized Radiology and

Nuclear Medicine, as well as providing an avenue of communication for Program Directors and Coordinators to the ACGME, ABNM, other societies, and government agencies.

## **SNM: Advanced Associate Council**

SNM 2012 Annual Meeting

June 8-13, 2012

### **Activities and Accomplishments**

- Doubled membership in one year
- Multiple presentations at the regional level
- Publication in JNM Newslines
- NMAA sessions at 2012 SNM MWM and 2012 SNM Annual Meeting
- Website available to public containing helpful documents for NMAA license and recognition
- Election of three new Board of Directors positions
- Implemented Standard Operating Procedure changes
- Utilize free conference call service to decrease cost to council
- AAC Board of Directors Conference Calls

### **Looking Forward**

- Compiling ideas for NMAA educational sessions at 2013 Mid Winter Meeting
- Develop council committees
- Seek funding opportunities to help sustain AAC
- Council Newsletter

### **Officers of the council**

President:	Crystal Botkin, MPH, CNMT, PET
Vice President:	Robert Henkin, MD
Secretary/Treasurer:	Richard Siska, NMAA, MIS, CNMT, NCT, RT(R) (N)
Immediate Past President:	William Hubble, M.A., CNMT, R.T. (R)(N)(CT), FSNMSTS

### **Mission**

The mission of the Advanced Associate Council is to:

- Aid those who are interested in developing a Nuclear Medicine Advanced Associate program at their facility.
- Support the practice and policy needs of the NMAA.
- Aid with activities associated with nurturing and growing the NMAA, including effecting the necessary culture change to allow this designation to function properly.
- Provide a central source for monitoring practice and educational issues for NMAAs.
- Collect and analyze financial information related to NMAA practice.

*Report to SNM Committee on Councils/Centers and House of Delegates*  
April 2011

Activities and Accomplishments

The Council continues to focus on providing exceptional educational activities for the attendees of the annual meetings and will once again provide a comprehensive educational program for the annual meeting in 2012. The SNM 2011 meeting in San Antonio included a full day categorical seminar, 3 CME sessions, and the Kuhl-Lassen Lecture and Award. A CME session was conducted at the 2012 Mid Winter Meeting in conjunction with the Young Professional Council. The session provided an overview of brain MRI physics and common finding interpretations followed by an introduction to the physiology and function imaging of the dopamine system. At the 2012 meeting in Miami Beach the BIC categorical seminar will focus on the currently expanding research as well as diagnostic applications of nuclear medicine the field of neurology. CME sessions will be held for dementia, neurooncology, movement disorders. PET-MRI and focal epilepsy. Recent educational programs were very well attended and stimulated renewed interest in brain imaging and enthusiasm for the future. The 2011 Neuroscience Young Investigators session and awards attracted a strong field and we expect similar success in 2012.

This is an exciting time in neuroimaging with the recent FDA approval two new agents. We now have a beta-amyloid radiopharmaceuticals that can detect Alzheimer disease before the development of dementia and reliably distinguish Alzheimer disease from frontotemporal dementia. We also have a dopamine transporter agent that can reliably distinguish Parkinsonism from essential tremor. These developments and associated perspectives for wide-spread use of these new diagnostic techniques have created huge interest in neurology, psychiatry and geriatric medicine. The National Institute of Aging and associated organizations published a revision of diagnostic criteria for Alzheimer's disease and their prodromal stages that would allow a specific diagnosis based on imaging biomarkers even before the onset of dementia.

In this context, there is also expanding interested in the diagnostic use of FDG. Several BIC members have been working with the Alzheimer's Disease Neuroimaging Initiative (ADNI) and other research organizations in Europe, Asia and Australia to create large multicenter PET data bases comprising longitudinal data in controls, mild cognitive impairment and Alzheimer's disease. A task force led by Dr. Bohnen completed a literature review on the diagnostic utility of FDG for dementia, providing data to CORAR and IMT that would underpin an approval of FDG as a diagnostic marker in dementia, and published the review in the Journal of Nuclear Medicine.

A task force led by Dr. David Djang with support from BIC intern Dr. Marcel Janssen published a practice guideline for 123I-FP-CIT for the Society. A task force is being developed to generate a practice guideline for beta-amyloid imaging. Efforts are being focused on outreach projects to neurologists and other professional societies to help guide their clinical use of our new technologies. Our intern, Dr. Martijn Muller, under the guidance of Dr. Nicolaas Bohnen, developed an on-line slide set to assist neurologists in their understanding and clinical use of functional neuroimaging.

The BIC recognizes the contributions of senior scientists who have made pioneering advances in the field through the annual Kuhl-Lassen award and lecture. Dr. Chris Rowe of Melbourne University, Australia was honored with the 2011 Kuhl-Lassen award in recognition of his world-leading role in developing and evaluating nuclear medicine methods in neurodegenerative disease and his leadership of the imaging component of the Australian Imaging, Biomarker & Lifestyle Flagship Study of Ageing (AIBL). Dr. Adriaan Lammertsma will receive the 2012 Kuhl-Lassen award for his pioneering work in tracer kinetic modeling and quantification in positron emission tomography.

### Looking Forward

It is an exciting time to be in the field of molecular imaging of the brain with clinical applications set to soar in the foreseeable future. The SNM through the Brain Imaging Council and the Molecular Imaging Centre of Excellence will continue to educate nuclear medicine specialists and referring physicians about current and emerging brain imaging techniques to ensure growth in this field and successful adoption of new techniques.

### Officers of the Council

President	Jennifer S. Jurgens, MD	<a href="mailto:jennifer.s.jurgens@us.army.mil">jennifer.s.jurgens@us.army.mil</a>
Vice President	John P. Seibyl, MD	<a href="mailto:jseibyl@indd.org">jseibyl@indd.org</a>
Vice President-Elect	Osama Sabri, MD, PhD	<a href="mailto:osama.sabri@medizin.uni-leipzig.de">osama.sabri@medizin.uni-leipzig.de</a>
Secretary	Nicolaas Bohnen, MD, PhD	<a href="mailto:nbohn@umich.edu">nbohn@umich.edu</a>
Treasurer	Theodore A. Henderson, MD, PhD	<a href="mailto:drted2u@drted2u.cnc.net">drted2u@drted2u.cnc.net</a>
Immediate Past Pres	Karl Herholz, MD	<a href="mailto:karl.herholz@manchester.ac.uk">karl.herholz@manchester.ac.uk</a>

### Mission

The Brain Imaging Council (BIC) exists to develop and advance clinical and research applications of nuclear brain imaging. This is achieved through organizing research symposia, sponsoring educational courses, supporting the Society in developing policy positions for brain imaging applications, training, and fostering connections among Council members and resources for meeting educational, clinical, and research needs for successful brain imaging. The BIC seeks to benefit a range of nuclear medicine professionals from nuclear medicine specialists in hospital or the private practice of nuclear medicine, nuclear medicine technologists, and investigators with interest in the research and clinical application of brain imaging.



Advancing Molecular Imaging and Therapy

## ***SNM: Cardiovascular Council***

SNM Annual Meeting

June 2012

### **Activities and Accomplishments**

- Selection of 2011 Herman Blumgart Award Winner: Award and lecture to be given at annual meeting.
- Election of new Vice President, Vice President-elect, Treasurer, and 3 Board members, all newly elected offices will begin their terms June 2012.
- Appointing Saurabh Malhotra, M.D, M.P.H to the position of CVC intern until June 2013
- Nominating Dr. Albert Sinusas to the SNM commission of government relations to serve as the representative of the society for NHLBI
- Nominating Dr. Marcelo Di Carli to lead an effort in conjunction with ASNC to set up a task force to design a study the address the issue of half dose/half time MPI.
- Assisting SNM in securing a representative on a think tank on radiation safety in cardiovascular care organized jointly with the DCRI, AHA, ACC and ASNC. Dr. Henry Royal was nominated by SNM leadership to serve as the SNM representative. Dr. Marcelo Di Carli was nominated as the alternate.
- Nomination of Drs. Marcelo Di Carli, Rory Hachamovitch, Diwakar Jain and Ronald Schwartz to ACCF/AHA/PCPI/NCQA Cardiac Imaging Work
- Participation in the discussions on, and the SNM response to, recent papers on radiation exposure risk associated with cardiac imaging studies.
- CVC position statement on radiation risk associated with radionuclide cardiac imaging titled: Cardiovascular nuclear imaging; balancing proven clinical benefit and potential radiation risk was published in JNM in July 2011.
- Review of collaborative Hybrid Imaging Guideline prepared by SNM in collaboration with ACR, ASNC and SCCT
- Proposing three joint sessions on cardiac molecular imaging, vascular molecular imaging, and radiation for the AHA annual meeting. None of these were included in the final program
- Participation in the planning of the third NIH Cardiovascular Molecular Imaging Symposium spearheaded by Dr. Albert Sinusas
- Sponsorship of the first Molecular and Clinical Cardiovascular Imaging Symposium in Geneva (organized in part by Dr. Thomas Schindler)
- Fall 2011 and Spring 2012 CVC newsletter

### **Looking Forward**

- Cardiovascular sessions and CVC BOD meeting, SNM AM, Miami Beach, FL, June 9-13, 2012

### **Officers of the council**

<i>President:</i>	Ron Schwartz, MD, MS
<i>Vice-President:</i>	Sharmila Dorbala, MD (moved to Vice President January 2012)
<i>Secretary:</i>	Robert Pagnanelli, CNMT, NCT
<i>Treasurer:</i>	Ed Lyons, Jr., RT(R), CNMT
<i>Immediate Past-President:</i>	Mehran M. Sadeghi, MD

*Board of Directors:* Salvador Borges-Neto, MD  
Elias Botvinick, MD  
Robert DeKemp, PhD  
Marcelo DiCarli, MD  
Vasken Dilsizian, MD  
Maria Mackin, BS, MS, CNMT, RT(N)  
Terrence D. Ruddy, MD, FRCPC, FACC, FASNC  
Thomas Schindler, MD  
Albert Sinusas, MD  
Prem Soman, MD, PhD  
H. William Strauss, MD  
Andrew Van Tosh, MD

*Ex-officio Members:*  
*(non-voting)* Mouaz Al-Mallah (Intern)  
Frank Bengel, MD (Past President)  
Rory Hachamovitch MD, MSc (Past President)  
Diwakar Jain, MD (Past President)  
Mark Travin, MD (Past President)  
Albert Sinusas, MD (Past President)

### **Mission**

The ultimate goal of the Cardiovascular Council (CVC) of the Society of Nuclear Medicine (SNM) is to contribute to the enhancement of quality patient care using cardiac radiotracer techniques. The CVC works to achieve this goal via three basic endeavors: 1). Contribute to the development and promotion of methods and procedures for proper clinical applications of current nuclear cardiology techniques, including a key role in the development of practice guidelines 2). Educate health care providers both within and outside the Society of Nuclear Medicine regarding the most up-to-date and highest quality cardiovascular nuclear medicine care, and 3). Serve as a major contributor and facilitator to the basic research development of new cardiovascular imaging techniques, and in the clinical applications of such new techniques. Members of the CVC also work with the SNM and other cardiac imaging organizations in the interaction between providers of nuclear cardiology services, and government and 3rd party payers with regard to quality and appropriate compensation for services. Finally, the CVC contributes to the presentation and explanation of nuclear cardiology methods and benefits to the general public through print and other media.

**SNM Computer and Instrumentation Council**  
Activities and Plans Report - June 2012

**Activities and accomplishments for the past year included:**

1. Organized and conducted two continuing education sessions at 2011 SNM Annual Meeting: (1) “PET Image-derived Indices for Therapy Response and Outcome Prediction Studies”; Organizer: Dimitris Visvikis (2) “Advanced PET/CT/MR Scanners – Hype or Hope?”; Organizer: Georges El Fakhri.
2. Organized and moderated the Young Investigator Award Symposium at the 2011 SNM Annual Meeting. The BOD increased the awards for young investigators to \$600/\$400/\$300/4x\$100 and gave all participants a one-year Council membership (retroactively including 2010 participants).
3. Awarded \$100 to the top three Scientific Poster Award winners in the Data Analysis & Instrumentation Track and officially recognized the authors at the Council business meeting.
4. Organized and moderated the Edward J Hoffman Memorial Award and Lecture at the 2011 SNM Annual Meeting. Dr. Michel Defrise was the 2011 recipient.
5. Supported the Instrumentation Basic Science Summary Session at the 2011 SNM Annual Meeting.
6. The BOD selected Xuping Zhu, PhD from MGH to serve a 2-year term as the Council intern (beginning June 2011). Council President Georges El Fakhri will serve as her mentor.
7. The Council published a Fall 2011 Newsletter.

**Looking Forward:** The CaIC Board of Directors (BOD) held a teleconference, plans for the remainder of the FY include:

1. Organize one continuing education session for the 2012 SNM Mid-Winter Meeting: “Advanced PET/CT/MR: Hype or Hope?”
2. Organize and moderate the CaIC Young Investigators Award Symposium at the 2012 SNM Annual Meeting.
3. President Georges El Fakhri is serving as Vice-Chair of the Instrumentation and Data Analysis track for the 2012 SNM annual meeting.
4. Publish Spring newsletter.
5. Continue exploring collaboration with the EANM Physics Committee.
6. Update the CaIC web site to increase its value to Council members, perhaps including creation of a members-only area.
7. The Nominating Committee is in the process of preparing a slate of candidates for election to the BOD.

## Council Leadership 2011-2012

<u>Officers</u>	<u>Term</u>
President: Georges N. El Fakhri, PhD	2011-2012
Vice President: Matthew R. Palmer, PhD	2011-2012
Vice President-Elect: John N. Aarsvold, PhD	2011-2012
Secretary: Dan J Kadrmas, PhD	2011-2013
Treasurer: Osama R. Mawlawi, PhD	2010-2012
Immediate Past President: Janet S. Reddin, PhD	2011-2012

<u>Board Members</u>	<u>Term</u>
Adam Alessio, PhD	2011-2013
Thomas Beyer, PhD	2011-2013
Frank P. DiFilippo, PhD	2011-2013
Bennett S. Greenspan, MD	2010-2012
Marc Milrod, CNMT	2010-2012
Xuping Zhu, PhD (Intern)	2011-2013

## Mission

The Computer and Instrumentation Council's mission is to promote the dissemination of knowledge and the advancement of computers and nuclear instrumentation for diagnosis and treatment in nuclear medicine to its members and to the Society of Nuclear Medicine as a whole. CaIC has pursued this mission by:

1. creating, organizing, and presenting educational programs,
2. publishing educational articles, e.g., our "Newsletter", and
3. working with organizations with goals in common with the Council's goals.

**SNM: Correlative Imaging Council**  
Report to the SNM Board of Directors  
JUNE, 2012

**Activities and Accomplishments**

The Correlative Imaging Council had the 11<sup>th</sup> CT case review session spanning over two days at Mid Winter SNM meeting in Orlando, Florida. Similar to prior sessions the attendance was excellent (199) with attendees getting credit for 100 cases. The new feature at this meeting was that these sessions were approved for SAM credits with a total of 16 credits for total 100 cases. Since CT education and MOC is increasingly important, these educational offerings are very valuable for the membership.

In addition to the CT case review, the CIC also organized MRI case review (30 cases). The registration for this session was 172 and feedback has been good.

CT Case Review Sessions as of June 2012  
Organized by Correlative Imaging Council

No	Dates	Meeting	Location	Attendance
1.	Oct 6-7, 2007	Stand Alone	Philadelphia, PA	142
2.	Feb 15-16, 2008	MWM	Newport Beach, CA	221
3.	Jun 17-18, 2008	Annual	New Orleans, LA	449
4.	Aug 2-3, 2008	Stand Alone	Seattle, WA	126
5.	Feb 6-7, 2009	MWM	Clearwater FL	246
6.	Jun 16-17, 2009	AM	Toronto, ON, Canada	441
7.	Jan 29-30, 2010	MWM	Albuquerque, NM	172
8.	Jun 5-9, 2010	Annual	Salt Lake City, UT	310
9.	Jan 20-23, 2011	MWM	Palm Springs, CA	188
10.	Jun 3-8, 2011	AM	San Antonio, TX	457
11.	Feb 3-4, 2012	MWM	Orlando, FL	199
MRI Case Review (30 cases)				
12.	Feb 3-4, 2012	MWM	Orlando, FL	172

The following CE sessions and Categorical seminars are planned for the annual meeting in Miami.

- CE courses;
  - DaT SPECT brain imaging. Multimodality Imaging in Prostate Carcinoma.
  - Update on multimodality Breast Imaging
  - PET/CT, Dedicated CT, and MRI in the Upper Gastrointestinal Tract.
  - Multimodality Bone imaging
  - Head and Neck imaging.

Some of the CE sessions as well as CT case review sessions are submitted for SAM approval therefore the attendance at these sessions is expected to be excellent.

- Categorical Seminar; Update on SPECT/CT Imaging

- **Continuation of Educational Activities posted to CIC website:**
  - ❖ Posting of monthly CT cases with emphasis on CT anatomy for Technologists.
  - ❖ Interesting images for Nuclear Medicine Professional emphasizing the correlative aspect of Nuclear Medicine/ PET with radiographs, CT, MRI, Ultrasound etc;
  - ❖ Updating CIC WEB site.

#### **Nuclear Medicine Technologist Collaboration:**

The CIC board has started efforts to involve technologist community in their educational activities including announcement of postings in "UPTAKE".

#### **CIC Board Retreat:**

The CIC BOD has their retreat in Los Angeles in December 2012. Thanks to an educational grant by SNM, the meeting was possible. Among other items discussed, MRI education was the main topic of discussion and brainstorming. Since PET/MRI is an emerging hybrid technology, the importance of MRI education was emphasized. A 5 year plan for MRI education was formulated with 300 MRI case reviews (similar to CT case review) per year. Additionally 200 hours of didactic lectures including on line learning, journal articles etc was proposed. The retreat was very successful and the BOD was pleased to have the SNM president George Segall attend the retreat and give his input. This proposal will be reviewed and discussed at the Education Committee meeting during SNM annual meeting. Hopefully the education Committee and the SNM board would approve a budget to carry out the MRI education. It was also proposed to have part of MRI case review sessions at the Mid Winter and Annual SNM meetings in addition to stand alone meetings in order to accomplish the goal of 500 cases in 5 years. It is also hoped that along with approval of SNM credits for MRI education could be formulated on similar lines of CT case review sessions.

#### **CIC Internship Program:**

Andrei H. Iagaru MD from Stanford University was elected to be the second intern of CIC. Andrei has already started contributing to CIC activities. Dr. Iagaru along with Amol Takalkar will plan the CIC sponsored categorical seminar on "Update on role of SPECT/CT" at the annual SNM meeting.

#### **Membership Drive:**

CIC is pleased to report an increase in membership. As of September 1<sup>st</sup>, 2011 there are 231 members (40% increase) including 198 physicians and 33 technologists. Thanks to the efforts to actively recruit new members to CIC including International members. Letters were sent to international CT case review participants encouraging them to join CIC with some success.

#### **Walter Wolf Young Investigator Award:**

The Seventh Annual Walter Wolf Young Investigator Award in Correlative Imaging will be presented at the 59<sup>th</sup> SNM Annual Meeting in Miami. This award was created in 2007 to encourage young Nuclear Medicine Professionals to submit abstracts pertaining to correlative imaging thus fostering clinical research in this area. The CIC board has reviewed and selected the best abstract for 2012. The abstract is titled "Predicting histologic biomarker expression in breast cancer with 68 Ga- RGD PET/CT versus diffusion –weighted and dynamic contrast-enhanced MRI". The author H. Yoon and collaborators will receive an award of \$1000 during the CIC board meeting at SNM annual meeting.

## **Looking Forward**

The Correlative Imaging Council was founded in 1978 originally to educate Nuclear Medicine Professionals about then emerging technology of ultrasound. Since then the new mission of the Council is to provide education in CT, MRI and emerging Molecular Imaging Technology. In the recent years the focus has been on CT education so that the membership can derive benefit in reading CT studies in their practices. CIC hopes to plan similar educational activities related to MRI and other emerging imaging modalities in a continuing effort to bring forth the best possible outcomes for patient management using Nuclear Medicine. One of the highlights in future meetings is MRI education in addition to other educational activities.

## **Board Members of the Council**

President	Lalitha Ramanna, MD
President Elect	Alan Waxman, MD
Secretary/ Treasurer	Robert Carretta, MD
Immediate Past President	Simin Dadparvar, MD
Board Members	Claudia Berman, MD
	Lale Kostakoglu, MD
	Lisa Wall, CNMT
	Amol Takalkar, MD
	Kathy S. Thomas, CNMT
	Hossein Jadvar, MD

## **Mission**

The correlative Imaging Council exists within the Society of Nuclear Medicine with the aim to establish and maintain an organization of members with an interest in correlative imaging and clinical practice for the purpose of providing a forum and a mechanism, whereby relevant basic science and clinical practice information may be discussed and disseminated. Provide a mechanism for the promotion and encouragement of correlative imaging and clinical practice research and development. Provide a source of information relating to correlative imaging and clinical practice affairs to the Society of Nuclear Medicine.

Lalitha Ramanna, MD  
President, Correlative Imaging Council

## **SNM: General Clinical Nuclear Medicine Council**

SNM Annual Meeting  
June 2012

### **Officers of the council**

**President:** Harvey H. Ziessman, MD  
**Secretary:-Treasurer:** Helena Balon, MD

**Past President:** Mark Tulchinsky, MD  
**Prior Past President:** Alan Maurer, MD

**Board of Directors:** Andrew Taylor, MD, Kevin Donohoe, MD, Christopher Palestro, MD, J. Anthony Parker, MD, Alan Maurer, MD, Pradeep Bhambhani, MD, Leonard Freeman, MD, Mark Tulchinsky.  
**Intern:** Katrina Sheets, CNMT

Our young Council is growing. At last count we now have 149 members. We expect to continue to grow. Our emphasis has been on education and updating procedure guidelines. The most recent CME courses we have put together and presented are shown below. We have been working with the Committee on Guidelines to update protocols related to general nuclear medicine. We are in the process of updating our standard operating procedures (SOPs) to better reflect our process of doing business. We are considering establishing awards for outstanding oral or poster presentations at the Annual meeting and an individual lifetime achievement award. These will be discussed further at the Annual Meeting.

Our intern, Katrina Sheets, is working on a technologist survey regarding the question of whether hospitals are adopting the consensus guidelines for gastric emptying and sincalide cholescintigraphy, and if not, why not. She has also helped update our website with the help of Sabrina Robinson, SNM staff.

### **Activities and Accomplishments**

#### **1. Organized CME Categorical Course for the June 2012 Annual Meeting:**

##### **Current Practice and Controversies in I-131 Therapy for Differentiated Thyroid Cancer**

Organizer: Helena Balon, MD

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Endocrinologist's Perspective Paul Ladenson, MD, Johns Hopkins University
Surgeon's Perspective Peter Czako, MD, Royal Oak, Michigan
Thyroid Remnant Ablation Stanley Goldsmith, MD
Therapy of Metastatic Differentiated Thyroid Cancer Douglas Van Nostrand, MD
Radiation Safety Issues of I-131 Therapy of DTC Michael G. Stabin, PhD
Long Term Risks of I-131 Therapy – Myth or Reality J. Anthony Parker, MD, Boston, MA
The Dilemma of the Iodine-negative/Thyroglobulin-positive Patient Edward Silberstein, MD, Cincinnati, Ohio

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Role of PET/CT in DTC Management  
Heiko Schoder, MD, New York

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Practice Improvement – Panel Discussion.

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## 2. Organized CME Courses for the June 2012 Annual Meeting in Miami:

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Hybrid Imaging of Inflammation and Infection Imaging  
Organizer: Christopher J. Palestro, MD

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F-18 Sodium Fluoride Bone Imaging  
Organizer: J. Anthony Parker, MD, Boston, MD and Eric Rohren, MD, Houston, TX

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Hepatobiliary Scintigraphy in Surgical Patients with Acute and Chronic Cholecystitis  
Mark Tulchinsky, MD, Hershey, PA

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Gastrointestinal Transit - Update  
Organizer: Kevin J. Donohoe, Boston, MA

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Diuretic Renography for Suspected Obstruction  
Organizer: Andrew T. Taylor, Jr, MD, Atlanta, GA

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Molecular Imaging of Liver Function for Optimizing Care in Liver Resection and Transplantation  
Organizer: Mark Tulchinsky, MD, Hershey, PA

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Imaging for Pulmonary Embolus: A Current Status Report  
Organizer: Leonard M. Freeman, MD, New York

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**Several of these courses are SAM sessions**

## 3. Organized CME for the January 2012 Mid-Winter Meeting entitled: Musculoskeletal Disease:

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8:00 AM - 8:45 AM Pharmacokinetics, Dosimetry and Initial NIH Experience  
Karen A. Kurdziel, MD

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8:45 AM - 9:30 AM F-18 Sodium Fluoride Bone PET in Children and Young Adults - Harvard Experience  
Frederick D. Grant, MD

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9:30 AM - 10:15 AM F-18 Sodium Fluoride PET/CT - VA and Stanford Experience  
George M. Segall, MD

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10:15 AM - 10:30 AM AM Break

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10:30 AM - 11:15 AM Update in Pediatric Bone Imaging  
Helen R. Nadel, MD

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11:15 AM - 12:00 PM Musculoskeletal Infection Imaging: Spine, Diabetic Foot and Prosthetic Joint  
Christopher J. Palestro, MD

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### Looking Forward

We would like to encourage involvement of our membership in ongoing education, guideline updates, and outreach activities. One way would be to join one of our Committees. The committees include, Renal, Infection, Gastrointestinal, Hepatobiliary, Musculoskeletal, Endocrine, and Pulmonary.

**SNM**

Advancing Molecular Imaging and Therapy

**SNM: Nuclear Oncology Council**  
Report to the SNM Board of Directors  
June 2012

Nuclear Oncology Council (NOC) has continued on its goal to provide a forum for those members of the SNM with an interest in nuclear oncology, both therapeutic and diagnostic aspects. The NOC provides an informational resource to support those involved in nuclear oncology and supports the development of diagnostic and therapeutic clinical trials. The NOC also supports the educational objectives of the society with respect to nuclear oncology by organizing and participating in educational activities, keeping alive the interests of practitioners of nuclear oncology and that of other members of the SNM. In this respect we uphold the overall goals of the SNM in promoting molecular imaging as well as radiopharmaceutical therapy.

**NOC Board of Directors 2011-2012**

The 2011-2012 NOC board of directors is listed in this newsletter and also on the NOC Web page. Serving on the council's board provides an opportunity to contribute to the cause of nuclear oncology in general and the council in particular. Dr. Greg Wiseman Professor of Radiology and Director of Nuclear Medicine at Mayo Clinic was elected President of the NOC in June 2011 and will serve for 2 years. He will be helped by a team of board members noted below:

***Board of Directors- Officers***

President: Gregory A. Wiseman MD  
Vice President: Neeta Taskar, MD  
Vice President-Elect: Suresh Srivastava, PhD  
Secretary: A. Cahid Civelek, MD  
Immediate Past President: Maroun Karam, MD,

***Board Members***

Norman LaFrance, MD  
Alexander McEwan, MD  
Daniel Pryma, MD  
Rathan Subramaniam, MD, PhD  
Barry Wessels, PhD

***Board of Directors- Additional Participants***

Intern: Anca Avram, MD

**Approved Amendment to NOC Operating Procedures**

By popular vote, the terms of President, Vice President, and Vice President Elect of the NOC BOD have been extended from one-year to two-years each. This amendment should improve the transition of leadership positions and ensure that incoming officers understand the expectations of their position and have time to implement the goals they have set prior to being elected.

The year 2011 was particularly productive for the NOC. Encouraged by high-quality abstracts presented by investigators from across the globe, the NOC has established in 2008 a Young Investigator Award to support and encourage attendance at the SNM Annual Meeting by a clinician and a scientist who will present works related to the diagnostic or therapeutic aspects of oncology. Guidelines for the award were developed by the NOC board with the help of SNM administrative staff. In 2011, we awarded 3 prizes to the top 3 abstracts presented at a special symposium as rated by a panel of judges.

The NOC organized several outstanding CME sessions during several meetings of the SNM. These sessions were delivered by leaders internationally recognized in their respective fields. We

contributed to the development of educational workshops in numerous ways, including: assisting in developing programs, reviewing abstracts, providing speakers and moderators, and providing travel fellowships for 3 young translational researchers.

**SNM NOC 2011-2013 Internship Program**

SNM Councils and Center of Excellence Internships is a new program geared to identify and train future leaders of SNM in the structure, governance and operations of the organization; to prepare individuals for progressive levels of responsibility; to ensure effective leadership that advances the mission and goals of the organization. The intern is a young professional (physician, technologist or scientist) in training or in practice within 10 years of graduation. One internship position for a single two-year term as a non-voting member has been approved to each SNM Council and the Center of Excellence. Dr. Daniel Pryma had been selected in 2009 and his term will ended in 2011, when the council selected Anca Avram, MD as the new intern, her term will be 2011 to 2013.

SNM Annual Meeting  
June 2012

**Activities and Accomplishments**

2011-2012 was a productive year for the Council. One of the most important recent achievements of the PIC has been its work in pediatric NM dose reduction. During 2010 and 2011, a workgroup of pediatric NM physicians, including several Council members, developed consensus guidelines for pediatric administered radiopharmaceutical doses. This dose reduction effort resulted in a published list of 11 commonly used radiopharmaceuticals in pediatric NM practice, and can be found on the SNM PIC website and in the *JNM: Gelfand MJ, Parisi, MT, Treves ST: Pediatric Radiopharmaceutical Administered Doses: 2010 North American Consensus Guidelines. JNM Feb 2011; 52(2):318-322.*

Last fall, members of the Pediatric Imaging Council worked conjointly with the *Image Gently Alliance* to market the new consensus guidelines. This “Go with the Guidelines” marketing campaign, co-sponsored by the SNM Pediatric Imaging Council and the Image Gently Alliance, was launched November 15, 2011. Its aim is to encourage community hospitals, academic hospitals and clinics to observe the North American Consensus Guidelines for NM radiopharmaceutical doses in children. The dose recommendations, calculated on a weight basis, have been tested in children’s hospitals and yield high quality images. To foster awareness, the Campaign distributed thousands of 11 x 14-inch posters designed to remind medical practitioners to use these new guidelines for 11 frequently-performed imaging studies in children. The guidelines are available at [www.snm.org](http://www.snm.org), [www.acr.org](http://www.acr.org), [www.pedrad.org](http://www.pedrad.org), and the poster can also be downloaded at [www.imagegently.org](http://www.imagegently.org).

Members of the Pediatric Imaging Council and the *Image Gently Alliance* met again on April 20, 2012 at the Society for Pediatric Radiology Annual Meeting in San Francisco to discuss the next steps in this initiative. Future work will include: 1) the distribution of a follow-up survey to ascertain whether hospitals are utilizing the dose guidelines, 2) review additional radiopharmaceuticals for consideration of dose reduction, 3) evaluate resolution recovery as a means of reducing dose, 4) evaluate dose reduction in hybrid imaging, and 5) education of families potentially exposed to therapy doses of iodine-131.

The Council continues to support our first Pediatric Imaging Council Intern, who will serve from 2011-2013. Dr. Servaes is an Assistant Professor at the Children’s Hospital of Pennsylvania, and has been assigned a project to develop a pediatric MOC module under the leadership of Drs. Helen Nadel and Meg Parisi. Dr. Lisa States, also at the Children’s Hospital of Pennsylvania, will serve as her “on-site” mentor.

The Pediatric Imaging Council continues to provide robust educational activities at the annual meetings, and every other year at the Mid-Winter Meetings. The Council sponsored a successful educational program at the 2011 annual SNM meeting, with 3 CME sessions and a well-attended 1-day categorical course. The scientific sessions were highlighted by Dr. Yen-Lin Lui's scientific presentation entitled "Neuroblastic tumors (NTs) with high 18F-FDOPA avidity will show higher aromatic amino acid decarboxylase expression", for which he received the, the Council's Young Investigator Award.

Our educational program for next year will include 4 CME sessions, but no full day categorical course. We plan some exciting new information on Prospects for Molecular Imaging in Children, Novel Tracers for Tumor Imaging in Children, Pediatric Radiotherapy Applications, Advanced Hybrid imaging in Pediatrics, and our annual, popular "Read with the Experts" session.

The Pediatric Imaging Council continues to participate in the ACR Appropriateness and Performance Guidelines. Drs. Lisa States, Susan Sharp and Stephanie Spottswood are representatives from the Pediatric Imaging Council for the evaluation of skeletal imaging and Drs. Binkovitz and Spottswood are representatives for gastrointestinal imaging. Several members have also been selected for participation in the new SNM guidelines for DMSA imaging, MAG-3 renogram imaging, skeletal imaging, and Meckel's diverticulum imaging.

The Council is working toward establishing two special awards, the Majd-Gilday Young Investigator Award, and the Conway-Treves Senior Investigator Award, to recognize these four pioneers who have made enormous scientific contributions to our subspecialty of pediatric nuclear medicine. The Majd-Gilday Young Investigator Award will be given to *young scientists and physician-scientists* for outstanding research contributions to the field of pediatric nuclear medicine. The Conway-Treves Senior Investigator Award will be given to *senior scientists and physician-scientists* who have contributed greatly to our subspecialty of pediatric nuclear medicine as a scientist, teacher, mentor and leader, or who have contributed substantially to the work of the Society of Nuclear Medicine or the SNM Pediatric Imaging Council. The Young Investigator Award is a monetary award, and funding will be provided by the PIC budget. The Senior Investigator Award will receive a plaque only.

The Council has voted to add a Vice president position to its governing Board. The specific responsibilities of the Vice President are provided in the revised bylaws.

### **Looking Forward**

The pediatric radionuclide dosing recommendations will be expanded to include lesser used tracers and CT parameters.

We hope to present a Young Investigator Award annually and a senior investigator award every other year, as determined by the Awards committee.

One of our challenges for the future is to improve communication amongst our members and with the greater NM and Molecular Imaging community. Efforts in this regard have begun with the circulation of our first newsletter in the fall of 2011, which we hope to publish bi-annually, to keep members abreast of new developments. A spring 2012 newsletter has also been produced. Dr. Larry Binkovitz is the current newsletter editor. The fall newsletter is currently available on the PIC website, and future newsletters will be available there, as well. The SNM PIC website is expected serve as an additional communication tool, as it will be the reference site for PIC Board and Business Meeting minutes and announcements for upcoming activities.

A second initiative is to improve educational content for Council members and other interested parties. Efforts are underway to upgrade our Council webpage on the SNM website. We have requested a "quick link" from the SNM homepage ([www.snm.org](http://www.snm.org)) to the PIC webpage, to allow for easy access. (Current access is via the SNM homepage → About SNM → Councils → Pediatric Imaging Council). We have begun to upload a reference library of educational articles from the medical literature on pediatric NM topics, and we plan to add interesting and challenging clinical cases, and a pediatric teaching file. There is also a link to Image Gently, where readers can learn about dose reduction in pediatric imaging. The Council plans to merge the activities of the [pednucmed.org](http://pednucmed.org) website with the pediatric NM list-server in the near future, and eventually consolidate these activities into the SNM PIC website.

A third initiative is to re-organize the Council such that its activities and decisions become more inclusive. Efforts to this end include 1) recruiting Council members to volunteer for one of the 7 standing committees that currently have no active members, 2) establishing a third officer (Vice President) to chair some of the committees which currently have no leadership, and to take responsibility of some of the operations of the Council.

Finally, through the e-community portal, we hope to be able to better communicate amongst ourselves, as well as with our non-member colleagues in the international pediatric NM community. Our hope is that the e-community will provide a forum for posting questions about protocols, imaging problems and challenging cases, much like what was achieved with the forums in [pednucmed.org](http://pednucmed.org) and the pediatric NM list-server.

## **Officers of the Council**

President: Stephanie Spottswood  
Secretary-Treasurer: Susan Sharp  
Immediate Past President: Larry Binkovitz

Board of Directors: All Council Officers  
Daniel Levin, M.D.  
Gerald Mandell, M.D.  
Susan E. Sharp, M.D.  
Nanci Burchell, C.N.M.T.

Ex-Officio Members: Sabah Servaes (Intern)  
(non-voting) Michael Gelfand, MD (Past President I)  
Meg Parisi, MD (Past President II)  
Helen Nadel, MD  
Ted Treves, MD  
Massoud Majd, MD

## **Mission**

1. Provide a forum for members to exchange ideas, concepts, techniques and practices related to pediatric nuclear medicine
2. Provide expertise in pediatric nuclear medicine to SNM membership
3. Foster research and education in pediatric nuclear medicine
4. Provide outreach to other professionals and organizations
5. Encourage SNM membership and Pediatric Imaging Council membership in the Pediatric nuclear medicine community
6. Serve as a resource to the SNM leadership



## ***SNM: Radiopharmaceutical Sciences Council***

SNM Mid-Winter Meeting  
June 2012

### **Activities and Accomplishments**

- 1. Michael J. Welch Award-2011:** An award was established in 2009, named after Dr. Michael J. Welch, Professor of Radiology at Washington University, St. Louis, MO. The recipient of this prestigious award this year was Dr. Tom Ruth, Senior Research Scientist at TRIUMF, Vancouver, Canada.
- 2. 2011 SNM annual Meeting, San Antonio, TX, June 4-7, 2011:** At the 2009 SNM annual Meeting in Salt Lake City, Utah, RPSC and MICOE co-sponsored a Categorical Seminar and Continuing Medical Educations session, "Lost But Found in Translation," and the following Continuing Education sessions:
  - o Ga-68 Generator and Applications
  - o Chemistry Nuts and Bolts: Radiochemistry Automation
  - o USP Revised Chapter 823
- 3. 2011 Berson-Yalow Award:** The award was presented by Sally W. Schwarz and Peter Herscovitch to Sangeeta Ray, PhD, Instructor at the Department of Radiology, Johns' Hopkins University, Baltimore for her paper titled, "99mTc-labeled inhibitors of prostate specific membrane antigen (PSMA) for imaging prostate cancer." This award is presented for the most original scientific contribution that impacts basic or clinical radioassay.
- 4. Sixth Annual Radiopharmaceutical Track Basic Science Summary Session:** This year the basic science summary session was hosted by 3 presenters: Robert H. Mach, Mark Goodman and Wynn Volkert. They covered neurology, radiochemistry and dosimetry. The session was well attended as usual!
- 5. Young Investigator Award:** For the ninth consecutive year the RPSC presented Young Investigator Awards to three promising young scientists, in a continuing effort to encourage participation in the Annual Meeting by talented trainees and new investigators. RPSC congratulated Johannes Notni for his outstanding presentations at the Young Investigators awards symposium and winning the RPSC young investigator awards. These awards were given at the annual business meeting of the Society of Nuclear Medicine in San Antonio, TX (June 2011) and include a certificate and an honorarium. The two other award winners in this symposium were Sarah Wessmann, 2<sup>nd</sup> place, and Nicolas Chouin, 3<sup>rd</sup> place
- 6.** Again, this year, the RPSC co-sponsored a **Poster Session Mixer** at the SNM annual meeting with CMIIT. This poster mixer encouraged poster attendance and stimulation of RPSC membership. The mixer was quite successful! The council would like to thank our generous sponsors: Isoflex, Navidea, IBA, Blackthorn Associates LLC, Tema Sinergie, West Pharmaceuticals, Sigma-Aldrich (Isotec), United Pharmacy Partners, Macrocyclics, Rotem Industries LTD.and CMIIT. This year we featured a job posting board along with a friendly environment to meet potential applicants and employers. We continue to encourage members to post their open job opportunities or job-wanted advertisements.

### **Looking Forward**

1. Hold regular RPSC BOD business meetings
  - a. Organize Interim Board Meeting
  - b. Quarterly meetings of the RPSC BOD by teleconference
  - c. Open Business meeting of the RPSC held at 2012 SNM Annual Meeting
2. Hold RPSC/CMIT Poster Mixer Session at 2012 SNM Annual Meeting
3. Develop Scientific Program for 2012 SNM Annual Meeting.
4. Categorical Session at the Mid-Winter Meeting 2012 in Orlando, FL. The session will be split in two 4 hour sessions, one covering Theranostics and one on Inflammation vs. Cancer.
5. CE session at the Mid-Winter Meeting 2012 in Orlando, FL. A very timely CE session on the revised USP Chapter 823 which will be effective May, 2012, and on USP Monographs, present and future.
6. A categorical session on Applications of Click Chemistry in Molecular Imaging at the 2012 SNM Annual Meeting Miami, FL.
7. Two continuing medical education sessions co-sponsored by RPSC and CTN at 2012 Annual Meeting;
  - a. F-DOPA in Clinical Research
  - b. Radiopharmaceutical Development and the IND Process
8. One continuing medical education session co-sponsored by RPSC and CMIT on Radionuclide production.
9. Nomination solicitation for the 'Welch' award. Nomination for the Abersold Award- already circulated.

#### **Officers of the council**

President: Sally Schwarz, MS, BCNP  
Vice President: Timothy DeGrado, PhD  
Secretary: G. Len. Watkins, PhD  
Treasurer: Scott Snyder, PhD  
Immediate Past President: Pradeep K. Garg, PhD

#### **Mission**

Mission has not changed