SNMMI House of Delegates Bi-Annual Report
Radiopharmaceutical Sciences Council Goals – 2017 Mid-Winter Meeting

**Overview:** SNMMI Councils and Centers provide professional networking and educational programs for nuclear medicine and molecular imaging professionals in respective areas, while simultaneously serving as a resource for development and implementation of the SNMMI Strategic Plan and other Society policies.

**Reporting Instructions:** Twice a year, councils and centers are asked to submit a written report to the House of Delegates (councils) and Board of Directors (centers of excellence). These reports help the HOD and BOD to keep up-to-date on the activities of the special interest groups, while also providing an opportunity for these groups to note any challenges they are having with respect to meeting their goals.

**Goal 1:** The Radiopharmaceutical Sciences Council intends to continue to increase membership and make membership in the council more appealing to a wider sector of the SNMMI. The RPSC plans to identify member needs and work on outreach efforts to scientists and to the SNMMI Technologist Section, the SNMMI Young Professionals Committee, as well as other professional groups in the field of Radiopharmaceutical Sciences. A Radiopharmacy/Radiopharmaceutical Scientist Qualified Person Training Program (QPTP) was recently approved by the SNMMI BOD. We are hopeful that as this program is developed and initiated in the coming year that this will stimulate increases in new membership.

**SNMMI Strategic Plan Goals that relates to this goal:**
- Goal E: Support and enhance the professional workforce and environment.

**Current Progress:** Our paid membership was up to 517 members in 2016 from 422 in 2015 meeting our goal of an increase in 5%. We attribute this to inclusion of members in organizing CE sessions and reaching out to young professionals. As examples of this we have an upcoming CE session titled Career Boot Camp: A guide to navigating your career success and we also continue to support our poster session/mixer which offers excellent networking opportunities and will be held at the 2016 AM. We are also supporting the development of the Radiopharmacy/Radiopharmaceutical Scientist Qualified Person Training Program (QPTP) under the guidance of Sally Schwarz. The 2015-2017 RPSC intern is Aileen Hoehne, PhD. Dr. Hoehne is active in working on a project that would contribute towards improving the availability of targeted radiotherapy for patients in the US. Dr. Hoehne also helps to organize the RPSC-sponsored educational sessions at the Mid-Winter and Annual Meeting, and is involved in helping with the QPTP. The RPSC mentor to the intern is David Dick, PhD.

**Next Steps:** Continue discussions on building membership during future RPSC BOD telephone conference calls. Discuss during the SNMMI annual meeting with those members attending. Reach out to membership.

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**Goal 2:** Enhance Communication: The RPSC held a Board retreat and have started to work on increasing communication among members via the RPSC LinkedIn page, RadChemPharmWiki (RCP Wiki), and more frequent newsletter updates. The RPSC is also trying to enhance our members-only website as a benefit of membership. Additional efforts to increase communication include:
• Hold regular RPSC BOD business meetings
• Organize Interim Board Meetings
• Quarterly meetings of the RPSC BOD by teleconference

SNMMI Strategic Plan Goals that relates to this goal:
• Goal E: Support and enhance the professional workforce and environment.

Current Progress: Enhancing communications is a continuing topic of discussion during recent RPSC BOD meetings and telephone conference calls. A newsletter was distributed in summer of 2016 which provided details of recent and upcoming CE session and other activities. We also were pleased to report the winners of our young investigators symposium from the 2016 annual meeting to our membership. We are planning to ramp up enhanced communications further to promote and generate interest in our Radiopharmacy/Radiopharmaceutical Scientist Qualified Person Training Program (QPTP) which will be an international collaborative education project and to promote our upcoming CE sessions at the 2017 annual meeting.

Next Steps: Discuss during the SNMMI Annual meeting with those members attending this meeting. Enhance communications for members via email blasters for CE sessions and other meetings of interest for our membership such as radiopharmaceutical sessions at the ACS meetings.

Goal 3: Educational Programs: The RPSC will continue to sponsor educational sessions at the SNMMI Mid-Winter and Annual Meetings. These programs will serve as an opportunity to promote the Society and the Council as the leader in providing educational programs in radiopharmaceutical sciences with a focus on chemistry and other imaging modalities and increase awareness of the development and uses of radionuclides among the medical community. These programs will also keep Society members abreast of new developments within the field.

2017 Mid-Winter Meeting:
The RPSC co-sponsored several sessions
January 19 - 10:15 AM-12:00 PM
Update on USP Activities: General Chapters and Radiopharmaceutical Monographs (joint session with CMIIT)
January 19 - 3:30-5:30 PM
PSMA-based Probes in Prostate Cancer Management: Current State and Future Developments (joint session with CMIIT)
January 22 - 8:00-10:00 AM
Clinical translation of neuroendocrine theranostics (joint session with CMIIT)

2017 Annual Meeting:
The RSPC will sponsor a categorical session as well as several continuing education sessions for the 2017 SNMMI Annual Meeting

Categorical Session – Small Molecule PET Radiotracers - Sunday, June 11, 8:00am
The Radiopharmaceutical Sciences Council is also sponsoring the following continuing education sessions:

Automation & Process Development: Fred Chin  
Dosimetry: George Sgouros, PhD  
Novel Nonradioactive Probes: Shawn Chen  
Novel Radiochemistry & Chelation: Carolyn Anderson  
Preclinical Probes for Cardiovascular, Endocrine & Other: Zahi Fayed  
Preclinical Probes for Neuroimaging: Zhude Tu, PhD  
Preclinical Probes for Oncology: Buck Rogers, PhD  
Radiopharmaceutical Sciences (RPSC) YIA: Weibo Cai, PhD  
Radiopharmacy: David Dick, PhD

• Michael J. Welch Award and Lecture – Monday, June 13, 12:30-2:00pm

• RPSC Young Investigators Award Symposium - Will again be held at this annual meeting.

Radiopharmaceutical Sciences/Molecular Imaging/CMIIT Basic Science Summary - This highly popular Summary Session is co-sponsored by RPSC and the Center for Molecular Imaging Innovation and Translation.

RPSC/CMIIT 11th Annual Poster Mixer - Is back by popular demand.

Qualified Person Training Program (QPTP): An international education collaborative program is being planned for radiopharmacists and radiochemists in the production and quality control of PET drugs according to FDA/USP regulatory requirements. This type of program exists in the EU, and is organized through the EANM. There are several sites where coursework will be completed by an attendee. Coursework will be made available through this program, and/or from other university sites which offer web based training modules. This will involve basic training in radiopharmaceuticals and regulatory requirements. Hands on training will be accomplished at selected sites. The goal is to establish a two-year program. Sally Schwarz, SNMMI Board liaison to the RPSC BOD, presented the resolution for this program at the spring SNMMI Board of Director’s meeting on April 25, 2015. The resolution was approved. The further development of the QPTP will be a major focus of the RPSC education program effort in the coming year.

The RPSC will continue to collaborate with CMIIT and the EANM Radiopharmacy Council. Possible areas of collaboration have been discussed including, drafting guidelines and best practices (suggested topics include: sterility and microbiology, GMP regulation and validation, extension to the EU for DART and development of a radiopharmaceutical database shared between both councils). The RPSC has created a sub-committee to work on these issues and conference with EANM to decide next steps.

RPSC BOD recently approved to add the following individuals as liaisons: Yearn Choe, Korean Society of Radiopharmaceuticals and Molecular Probes; Tarik Becic, International Atomic Energy Agency; Marion de Jong, European Association of Nuclear Medicine.
**SNMMI Strategic Plan Goals that relates to this goal:**

- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: The plans for educational programs for the 2017 Mid-Winter and Annual Meetings are underway. These plans were discussed during 2016 spring RPSC BOD retreat in Chicago which we held a brainstorming session to identify educational session topics.

**Next Steps:** Discuss during next RPSC BOD telephone conference call to be scheduled. Discuss during the SNMMI Annual meeting with those members in at the meeting.

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**Goal 4: Improve Scientific Interaction and Outreach Efforts with Young Professionals:**

Mixer/Poster Session: Improve Scientific Interaction and Outreach Efforts with Young Professionals:

Mixer/Poster Session: The RPSC, in collaboration with the YPC and CMIIT, plans to continue to offer the Poster Mixer, at the SNMMI Annual Meeting, in order to further encourage scientific interaction with colleagues. This event stimulates an increase in scientific exchange in a social setting.

Outreach to Technologist Section: As part of its effort to reach out to the entire radiopharmaceutical sciences field, the RPSC feels that it is important to represent and support the needs of technologists working within the field. As such, the RPSC will to continue to contribute Continuing Education sessions at future SNMMI meetings. The RPSC will also continue to increase its communications with technologists through, e-mail, and meetings.

Outreach to Other Groups and Individuals:

The RPSC will continue on-going collaborative efforts with CMIIT and the EANM Radiopharmacy Council. The RPSC will continue to include Council members volunteering to present educational seminars at other society meetings, such as APhA and ACS. Leadership will help to identify individuals who are recognized as important leaders in the field who are not currently members of the RPSC and encourage them to join. This interaction will help to identify activities that the RPSC can develop to enhance and increase membership.

**SNMMI Strategic Plan Goals that relates to this goal:**

- Goal A: Advance the development and approval of nuclear medicine and molecular imaging technologies.
- Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.
- Goal C: Increase appropriate utilization of Radionuclide Therapy.
- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

Current Progress: Discussed during recent RPSC BOD telephone conference calls. RPSC members are actively preparing and sending requests to vendors to support the Mixer / Poster Session.
Next Steps: Discuss during future RPSC BOD telephone conference calls. Discuss during next SNMMI Annual and Mid-Winter meetings with those members attending these meetings.

**Goal 5:** Promoting Quality, Value and Safety for Radiopharmaceuticals:
A subcommittee of the RPSC continues to work on a Qualified Person Training Program (QPTP) that would:
- Cross train chemists and pharmacists in the alternate skills that are needed, and supplement training for both
- Define the skills needed for radiopharmaceutical scientist to improve the quality chain in nuclear medicine

Qualified Person Training Program (QPTP): An international education collaborative program is being planned for radiopharmacists and radiochemists in the production and quality control of PET drugs according to FDA/USP regulatory requirements. This type of program exists in the EU, and is organized through the EANM. There are several sites where coursework will be completed by an attendee. Coursework will be made available through this program, and/or from other university sites which offer web based training modules. This will involve basic training in radiopharmaceuticals and regulatory requirements. Hands on training will be accomplished at selected sites. The goal is to establish a two-year program. Sally Schwarz, SNMMI Board liaison to the RPSC BOD, presented the resolution for this program at the spring SNMMI Board of Director’s meeting on April 25, 2015. The resolution was approved. The further development of the QPTP will be a major focus of the RPSC education program effort in the coming year.

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- Goal A: Advance the development and approval of nuclear medicine and molecular imaging technologies.
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- Goal C: Increase appropriate utilization of Radionuclide Therapy.
- Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
- Goal E: Support and enhance the professional workforce and environment.

**Current Progress:** This goal was discussed during several recent RPSC BOD telephone conference calls and during the RPSC retreat April 10, 2015 in Chicago. A May 27, 2015 QPTP meeting lead by Sally Schwarz was held at the International Symposium on Radiopharmaceutical Sciences (ISRS). Those not attending ISRS attended the meeting via conference call. This project will continue with the support of the SNMMI BOD.

**Next Steps:** Discuss during future BOD telephone conference calls and meetings. Discuss during the 2018 SNMMI Annual meeting and 2016 Mid-Winter meeting with those members in attendance at the meeting. Involve non-attending members via conference calls and work sessions.

**Goal 6:** RPSC Intern Program: The 2015-2017 RPSC intern is Aileen Hoehne, PhD. Aileen began her internship at the conclusion of the SNMMI 2015 Annual Meeting and her term will run through the conclusion of the 2017 SNMMI Annual Meeting. David Dick, PhD, is Aileen’s mentor. Aileen expressed an interest in working on the continued collaborative efforts between the RPSC and the EANM as well as working on a project that would contribute towards improving the availability of targeted radiotherapy for patients in the US. The RPSC Board members discussed possible intern projects and thought Aileen should be involved with organizing the Annual Meeting RPSC categorical
sessions or a stand-alone symposium on Targeted Radionuclides (Translation to Therapy). Aileen and her mentor, Dr. David Dick will be involved in the Qualified Person Training Program (QPTP) by developing a meeting session and selecting speakers.

**SNMMI Strategic Plan Goals that relates to this goal:**
- Goal E: Support and enhance the professional workforce and environment.

**Current Progress:** The 2017-2019 has been selected. Emily Ehlerding, BS, MS will be the new RPSC intern. Steven Liang, PhD will be her mentor

**Next Steps:** Have Steven Liang, PhD work with Ms. Ehlerding on assignment for her term as intern

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**Open Comment Section**

**CHALLENGES** – Please provide information on any challenges you are having within your council/center that you would like assistance from the SNMMI to help overcome.

**OPPORTUNITIES** – Please provide information on opportunities that you believe exist within your council/center OR other related special interest groups (or outside stakeholders) that the SNMMI can help facilitate or should be aware of.