1) Executive Summary
The Radiopharmaceutical Sciences Council continues to move forward under the revised governance structure and revision of the Operating Procedures (OPs) continues as they are brought into alignment with the day-to-day function of the Council. As was the case in the previous year, OPs were reviewed and revised by the RPSC Board of Directors (BOD) at the 2014 Interim Meeting. According to the RPSC OPs, the Council must prepare an annual business plan and budget for approval by the SNMMI Board of Directors. This document is the RPSC 2014-2015 Business Plan and Budget for FY2015.

The Business Plan contains the following elements: a) the current status of the Council, b) the accomplishments for the current year, c) the short-term (1-2 year) goals of the Council, d) the long-term (3-5 year) goals of the Council, and e) the current financial status and FY2015 budget.

2) Mission
The Radiopharmaceutical Sciences Council (RPSC) is a group within The Society of Nuclear Medicine and Molecular Imaging dedicated to the interchange of scientific and medical information, ideas and knowledge among Society members who have interest in radiopharmaceutical sciences. The overall mission of the RPSC is to:
- Provide a forum for members with similar interests
- Provide expertise in the fields of interest to the membership
- Foster education in research and the application of molecular imaging and the radiopharmaceutical sciences
- Provide outreach to other professionals and organizations
- Nurture new membership into the Society and the Council
- Provide recognition for professionals who have made outstanding contributions in the fields encompassed by molecular imaging and radiopharmaceutical sciences
- Provide continuing education credits for radiopharmacists
- Serve as a resource to SNMMI leadership

3) Leadership

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<tr>
<th>Position</th>
<th>2014-2015</th>
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<tbody>
<tr>
<td>President</td>
<td>Neil A. Petry, MS, RPh, BCNP</td>
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<tr>
<td>Vice-President</td>
<td>Suzanne Lapi, PhD</td>
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<tr>
<td>Vice-President Elect</td>
<td>Xiaojuan (Shawn) Chen, PhD</td>
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<tr>
<td>Secretary</td>
<td>David W. Dick, PhD</td>
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<tr>
<td>Treasurer</td>
<td>Peter J.H. Scott, PhD</td>
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<tr>
<td>Immediate Past President</td>
<td>Cara Lee Ferreira, PhD</td>
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<td>Board Members</td>
<td>Weibo Cai, PhD</td>
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<td></td>
<td>Duanne V. Thistlethwaite, RPh, BCNP</td>
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<td></td>
<td>Tayo Ikitun, PhD</td>
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<td></td>
<td>Steven Zigler, PhD</td>
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<tr>
<td>RPSC Intern</td>
<td>Jennifer Luther, MS, PharmD</td>
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4) Current Status
A. Financial
As of May 2014, the RPSC has a total revenue of $11,850. This includes a stipend of $1,500 from the 2014 Mid-Winter Meeting. Expenses total approximately $4,501. Revenue is generated through annual membership dues, which are $20.00 per member.
B. Membership
As of August 1, 2014, the Radiopharmaceutical Sciences Council has 406 total members, a modest decrease from the previous year. The Society currently has ten councils, with the Radiopharmaceutical Council ranking number one in total members. This ranking has remained fairly constant since 1994, even though membership in the Radiopharmaceutical Sciences Council has decreased from a high of 658 achieved that year. This is most likely a result of an overall decrease in SNMMI membership over this same time period.

C. Member Benefits
1. Bi-annual Newsletter
2. Annual Meeting Categorical Seminar
3. $20 Discount off Fee to Categorical Seminar
4. Annual Meeting Continuing Education Program
5. Annual Meeting Basic Science Summary Session
6. Annual Meeting Poster-Mixer
7. Annual sponsor of the Berson-Yalow award
8. Annual sponsor of the Michael J. Welch award
9. Website
10. Young Investigator Awards
11. Young Investigator Travel Awards
12. Council Contributions to Mid-Winter Educational Symposia
13. LinkedIn Group
14. Advocacy to SNMMI

5) Accomplishments for 2013-2014

A. Education
During the past year the RPSC leadership and members actively participated in the organization and presentation of educational seminars at the 2014 Mid-Winter Meeting in Palm Springs, CA and the 2014 Annual Meeting in St. Louis, MO.

The RPSC sponsored the following educational sessions during the 2014 SNMMI Mid-Winter Meeting in Palm Springs, CA:
1. Emerging Radioglands and Future Imaging Targets for CNS Binding Sites
2. Alpha Particle Therapy Agents

The RPSC sponsored the following educational sessions during the 2014 SNMMI Annual Meeting in St. Louis, MO:
1. The Applications of PET Imaging in Drug Discovery and Personalized Medicine – (Categorical Session)
2. Radiolabeled Nanoparticles – (CE Session)
3. Development of PET Radiotracers for CNS binding sites: from Target Choice to Clinical Implementation – (CE Session)
4. Multimodality Imaging – (CE Session)
5. PET Imaging with Radiometals (CE Session)

2014 Basic Science Summary Session.
The Radiopharmaceutical Sciences Council with the Center for Molecular Imaging Innovation and Translation (CMIIT) sponsored a Basic Science Summary Session at the 2014 Annual Meeting entitled, presented by Carolyn Anderson, PhD; Henry VanBrooklin, PhD; and Jonathan McConathy, MD, PhD.
B. 2014 Awards

Continuing with tradition, the RPSC presented Young Investigator Awards to three promising young scientists, an effort to encourage participation in the Annual Meeting by our talented trainees and new investigators. The top seven Radiopharmaceutical Chemistry Young Investigator abstracts, determined by review score, were presented in this symposium. The RPSC leadership scores the presentations, with the top three presentations receiving an honorarium and a commemorative certificate. The young investigator awards are funded from a grant from the Education and Research Foundation (ERF).

The 2014 Young Investigator Awards were presented to:
1st Place – Steven Liang
2nd Place – Hua Yang
3rd Place – Thomas Graham

8th Annual RPSC/CMIIT Poster Award Session - The Council co-sponsored, for the 8th year, a Poster Session Mixer (with financial support from ABX, Altor BioScience, Becquerel & Sievert Co, Ltd, The Gollman Group, e-Century Publishing, Blackhorn Associates, LLC, ImaginAb, I'onetix, isoSolutions, Navidea, inviCRO, LLC, MILabs, Promega, ROTEM, Sequoia SciTech, Synfast Consulting, Trifoil Imaging, xstrahl Life Sciences, UPPI, and Trasis ) to encourage poster attendance and stimulate Council membership. This year, sponsorship reached the second highest with a total of $19,700, including a $4,000 grant from Navidea. The poster session was included in the educational program in “meet the author” style. There was a special reception for RPSC and CMIIT members prior to the opening of the Poster Mixer. Both the reception and Poster Mixer were very successful and well attended.

2014 Berson-Yalow Award – This year’s award was presented to Xiang Zhang, PhD for his abstract entitled, “PET Specificity Studies of (-)-[11C]TZ659 for Imaging VACHT in NHP Brain.” This award honors nuclear medicine scientists who have done exceptional research to advance the field of radioimmunoassay. This award is funded by the RPSC and is presented each year during the Cassen and Plenary lecture at the Annual meeting.

2014 Michael J. Welch Award - This award was established in 2009, named after Dr. Michael J. Welch. The recipient of this prestigious award for 2014 was Michael R. Kilbourn, PhD. The funding for this award comes from the ERF.

2014 Michael J. Welch Post-doctoral travel grant (New for 2014) – This award was presented for the very first time to the winner, Steven Liang, for his abstract entitled, “Spiro hypervalent iodine (III)-mediated radiofluorination of non-activated and hindered aromatics.”

C. RPSC Intern Program

The RPSC mentors the 2013-2015 RPSC Intern, Jennifer A. Luther, MS, PharmD.

D. Advocacy to SNMMI

In the fall of 2013, the USP proposed the omission of USP monographs for non-FDA approved PET drugs (i.e. monographs for research PET drugs). The SNMMI Committee on Pharmacopeia published a Newsline article to stimulate public comments from the PET community. This proposal was open for a 60-day public comment period which has now closed. There were no public comments, so the USP will now remove those monographs from the USP effective December 1, 2014. At that time, the USP will only include monographs for FDA-approved PET drugs. This is the same approach that USP takes for all other drugs.

E. Collaboration with EANM Radiopharmacy Committee

This group met at the 2014 SNMMI Annual Meeting to discuss how to put together a targeted training program to create a synergy between the radiopharmacy groups. The Clinical Trials Network (CTN) Database Reporting Tool (DART) is a very good tool that the EANM’s RPSC equivalent is looking at for maintaining a database of their radiochemistry members, similar to how DART has included all US
radiochemistry sites. RPSC has engaged CTN about the possibility of providing access to DART as one of the benefits of RPSC membership.

6) Goals and Programs for 2014-2015
The RPSC continues to demonstrate its resilience, vitality and activity in the tradition of service, innovation and support of radiopharmaceutical sciences. The RPSC contributes to Goals A, B, C, D, and E of the SNMMI Strategic Plan. The focus of RPSC continues to be on developing value for the RPSC membership.

a. Membership
The Radiopharmaceutical Sciences Council would like to increase its membership by at least 5% in FY2015 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.

b. Enhance Communication
The Council plans to hold a Board retreat and will work on increasing communication among members via the RPSC LinkedIn page and possibly shorter, 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

c. 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 radiopharmacy and radiopharmaceutical sciences 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.

1. 2015 Mid-Winter Meeting
The RPSC will sponsor a session entitled, “New Radiopharmaceutical Reimbursement – The Next Frontier” at the 2015 SNMMI Mid-Winter meeting in San Antonio, TX.

2. 2015 Annual Meeting
The RSPC plans to submit proposals for a categorical session as well as several continuing education sessions for the 2015 SNMMI Annual Meeting in Baltimore, MD. Possible topics for education sessions include: Design of Radioactive Probes, Nanomedicine, How to move an IND through submission and approval, dual-labeled intraoperative probe, and cutting edge F18 labeling strategies.

3. On-going collaborative efforts 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.

d. Improve Scientific Interaction and Outreach efforts with Young Professionals
1. 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 while having fun.
2. 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 would like 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.

3. 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, particularly among radiopharmacists.

e. Promoting Quality, Value and Safety for Radiopharmaceuticals
   A subcommittee of the RPSC is working on a Qualified Person training Program that would
   a. Cross train chemists and pharmacists in the alternate skills that are needed, and supplement training for both
   b. Define the skills needed for a Clinical Radiochemist to improve the quality chain in nuclear medicine

f. RPSC Intern Program
   The RPSC will continue to mentor the 2013-2015 RPSC Intern, Jennifer A. Luther, MS, PharmD. Dr. Luther will be working on a project with the Radiopharm subcommittee.

7) Budget and Resource Requirements
   a. Summary of Financial Needs
      The attached FY2015 budget summarizes the total resources needed to support the goals set forth in the business plan.

   b. Resource Requirements
      Ongoing SNMMI staff support, materials, technology and marketing support.