

## **Radiopharmaceutical Sciences Council FY21 Business Plan – Draft June 2020 Value Initiative 2.0**

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.

### **SNMMI Value Initiative 2.0 – Engagement of Councils and Centers of Excellence**

In 2018, SNMMI launched its Value Initiative – a comprehensive strategic plan to advance the crucial role of nuclear medicine and molecular imaging in patient care and science ad discovery. The next step will become SNMMI's Value Initiative 2.0. As part of Value Initiative 2.0 SNMMI will continue to adjust our organization to the changing health care environment. Value Initiative 2.0 will also engage as many SNMMI members as possible through the work of various committees, working groups, SNMMI councils and centers of excellences and the SNMMI chapters.

As part of this inward focusing effort, councils and centers of excellence will be participating in Domain conference calls and working directly with the chairs from the six (6) domains to address the opportunities and develop strategies to meet them.

**As a council, the Radiopharmaceutical Sciences Council will be mainly involved in the following domains; Research and Discovery, Outreach and Workforce Pipeline. However, the council may be asked to or request to be involved in other domains as issues or opportunities arise.**

### **Goals and Programs for FY2021**

The RPSC continues to demonstrate its resilience, vitality and activity in the tradition of service, innovation and support of radiopharmaceutical sciences. The council will provide a forum for members with similar interests; provide expertise in the field of interest to the membership; foster education in research and application of radiopharmaceutical sciences; provide outreach to other professionals and organizations; nurture new membership into the Society and the Council and serve as a resource to SNMMI Leadership. Specific goals and objectives include:

#### **1. Membership**

The Radiopharmaceutical Sciences Council will continue its efforts 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.

#### **2. Enhance Communication**

The Council will work on increasing communication among members via email announcements, LinkedIn page and shorter, more frequent newsletter updates. The RPSC is also trying to enhance our members-only website as a benefit of membership. The RPSC board of directors will continue to hold conference calls and meetings throughout the year.

#### **3. Educational Programs**

The RPSC will continue to sponsor educational sessions at both 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.

- a. **2021 Mid-Winter Meeting**  
The RPSC plans to submit a CE session proposal for the 2021 SNMMI Annual Meeting in San Francisco, CA when the call for proposals is announced.
  - b. **2021 Annual Meeting**  
The RPSC plans to submit proposals for a categorical session, and organize assigned CE sessions for the 2021 SNMMI Annual Meeting in Washington, DC
  - c. **Promoting Quality, Value and Safety for Radiopharmaceuticals**
    - i. A subcommittee of the RPSC continues to work on a Qualified Systems Personnel Training Program (QSPTP) that would:
    - ii. cross train chemists and pharmacists in the alternate skills that are needed, and supplement training for both
    - iii. define the skills needed for radiopharmaceutical scientists to improve the quality chain in nuclear medicine
    - iv. Further developments of the QSPTP will be a major focus of the RPSC education program effort in the coming year.
- 4. Improve Scientific Interaction and Outreach Efforts with Young Professionals**
- a. 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. The timing of this event is under consideration for the 2021 Annual meeting.
  - b. 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.
  - c. Outreach to Other Groups and Individuals – The RPSC will continue on-going collaborative efforts with CMIIT and the EANM Radiopharmacy Council. The RPSC co-sponsors educational sessions with other SNMMI Councils and Centers at the SNMMI Mid-Winter and Annual Meetings. 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.
- 5. RPSC Board of Directors Retreat**  
The RPSC is planning a RPSC Retreat for Spring 2021, pending available funding.
- 6. RPSC Intern Program**  
The RPSC will continue to support the SNMMI Internship program for 2019-2020. The RPSC intern is Jessica Comstock, PharmD

### **Proposed FY20 Budget and Resource Requirements**

- 1. Summary of Financial Needs**  
The attached FY2021 budget summarizes the total resources needed to support the goals set forth in the business plan.
- 2. Resource Requirements**  
Ongoing SNMMI staff support, materials, technology and marketing support.

## Radiopharmaceutical Sciences Council Background Overview

### 1. Mission

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

### 2. Leadership

#### Officers

Steven Liang, PhD, Council President	2020-2021
Amy Vavere, PhD, Council Vice President	2020-2021
Mike Nickels, PhD, Council Vice President-Elect	2020-2021
Ephraim Parent, PhD, Council Secretary	2020-2022
Svetlana Selivanova, PhD, Council Treasurer	2019-2021
Peter Scott, PhD, Council Immediate Past President	2020-2021

#### Board Members

Pedro Brugarolas, PhD	2019-2021
Jonathan W Engle, PhD	2019-2021
*Suzy Lapi, PhD	2019-2022
Michelle James, PhD	2020-2022
Kai Chen, PhD	2020-2022

#### Intern

Jessica Comstock, PharmD	2019-2021
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### 3. Current Status

#### a. Financial

As of June 11, 2020, the RPSC had revenue of \$25,602, from member dues, poster mixer sponsorships, ERF grants and carryover from FY2020. Projected FY2020 expenses \$2,906. The RPSC & CMIIT Poster Mixer sponsorships totaled \$17,000.

#### b. Membership

As of June 10, 2020, the Radiopharmaceutical Sciences Council has 1102 total members, including 508 paid members, and 594 in-training members with complimentary membership.

<u>Year</u>	<u>Paid Membership Count</u>
2019	564
2018	595
2017	563

#### c. Member Benefits

1. RPSC Newsletters
2. \$20 Discount off Fee to Categorical Seminar
3. Contributions to Mid-Winter Educational Symposia
4. Annual Meeting Categorical Seminar and 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. Annual sponsor of the Michael J. Welch Post-Doctoral Travel Grant
10. Young Investigator Awards
11. LinkedIn Group
12. Website
13. Advocacy to SNMMI

#### 4. Accomplishments for FY2020

##### a. Education

During the past year the RPSC leadership and members actively participated in the organization and presentation of educational seminars at the 2020 Mid-Winter Meeting in Tampa, FL and the Annual Meeting held virtually. These programs serve as an opportunity to promote the SNMMI and the RPSC 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 SNMMI members abreast of new developments within the field.

The RPSC was scheduled to sponsor the following educational sessions during the 2020 SNMMI Annual Meeting, prior to the decision to go virtual:

- Labeling Strategies for Radiopharmaceutical Synthesis: State-of-the-art and future prospects
- Validating a Small Molecule PET Radiotracer
- Best Practices to Support the Quality Control of PET Drugs
- MJW Award Session: Life is like a Box of Chocolates: A molecular Imaging Journey
- PSMA Updates
- Leadership Skills for Radiopharmaceutical Scientists

The RPSC sponsored the following educational sessions during the 2020 SNMMI Mid-Winter Meeting in Tampa, FL

- Development Pipeline of a New Radiopharmaceutical Drug – From Concept to Reimbursement

##### b. 2020 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 2020 Annual Meeting.

**c. 2020 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 for Nuclear Medicine and Molecular Imaging.

**The 2020 Young Investigator Awards were presented to:**

**1<sup>st</sup> Place Winner:** Rocío García Vázquez

**2<sup>nd</sup> Place Winner:** Outi Keinaenen, PhD

**3<sup>rd</sup> Place Winner:** Ian Duffy

**2020 Berson-Yalow Award** – This year’s award was presented to Reinier Hernandez, for his award-winning abstract, “*GD2/B7-H3 bispecific antibodies for next-generation neuroblastoma treatment.*” This award honors investigators who submit the most original scientific abstracts and make the most significant contributions to basic or clinical radioassay. This award is funded by the RPSC and is presented during the Basic Science Summary Session at the Annual meeting.

**2020 Michael J. Welch Award** - This award was established in 2009, named after Dr. Michael J. Welch, PhD. The recipient of this prestigious award for 2020 was Henry VanBrocklin, PhD. The funding for this award is provided by the Michael J. Welch Foundation.

**2020 Michael J. Welch Post-doctoral travel grant** – This award was presented to the winner, Zhen Yang, PhD, for his abstract entitled, “Small molecule-based angiogenic radionuclide radiation therapy combined with anti-PD1 immune checkpoint blockade for triple-negative breast cancer.” The funding for this award is provided by the Michael J. Welch Foundation.

- d. 14th Annual RPSC/CMIT Poster Award Session** - The RPSC co-sponsored, for the 14th year, a Poster Session Mixer to encourage poster submissions and scientific interaction with colleagues. This year, sponsorship reached a total of \$17,000 from 7 industry sponsors. The poster presentations were included in the educational program in “meet the author” style, via the virtual platform. To date, 5 of the sponsors have committed to carrying over their funding for the 2021 RPSC/CMIT Poster Award Session

**e. RPSC Intern Program**

For the last year, the intern Jessica Comstock

**f. RPSC Board of Directors Communication**

The RPSC Board of Directors (BOD) holds conference calls throughout the year to discuss important matters related to the field of Radiopharmacy and the Council. The RPSC BOD held a very productive retreat in April 2020, to discuss several items including: the new RadChemPharmWiki project with the SNMMI Clinical Trials Network (CTN), the Radiopharmaceutical Scientist Qualified Person Program as an international collaborative project with the EANM, proposed education sessions and awards for the 2020 SNMMI meetings, RPSC communications, the new intern project(s), and RPSC board elections.