

Fall 2016

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President's Message

Xiaoyuan (Shawn) Chen, PhD, RPSC President



Dear RPSC members,

I am excited about the upcoming year and would like to thank you all for your continued support and active participation in RPSC activities. Radiochemistry and radiopharmacy continue to be an important part of SNMMI and we are proud to represent this community.

The CAT and CE sessions offered at the 2016 annual meeting in San Diego including *Small Molecule PET Radiotracers*, *Next-Generation Radiotracers for Cancer Imaging*, *Career Boot Camp: The Cliff-Note Guide to Navigating Your Career Success*, *Bioorthogonal and Click Chemistry for Molecular Imaging/Therapy*, *From Molecule to Man: Translation of Tracers in Europe*,

United States and China, *PET Drug Manufacturing: Living in an FDA-Regulated World*, *New Targets: Tracer and Techniques in Nuclear Cardiology*, and *Theranostic Nanoparticles*, were all high quality and well attended. If you have any suggestions for upcoming CE session or other programming ideas, we would love to hear from you.

We are proud to sponsor the Michael J. Welch Award which was awarded this year to Robert F. Dannals, PhD, of The Johns Hopkins University. His talk "*Serendipity – a Career of Fortunate Events*" was truly outstanding and was enjoyed by both junior and senior investigators. Our young investigator awards symposium offers the chance for our rising stars to showcase their recent scientific achievements and is always one of the highlights of the Annual Meeting for many of us. I would particularly like to congratulate Drs. Mossine, Zhang, and Wang for winning 1st, 2nd, and 3rd place in the symposium respectively.

As we finalize our planning for 2017, I look forward to our ongoing education and scientific activities as well as social events such as our poster mixer which provides opportunities for networking and off-line scientific discussions.

See you all in Phoenix, Arizona for the **SNMMI Mid-Winter Meeting, January 19-22, 2017** and in Denver, Colorado for the **SNMMI Annual Meeting, June 10-14, 2017!**

Recent RPSC-Sponsored Sessions and Events

The Radiopharmaceutical Sciences Council (RPSC) was pleased to sponsor the following categorical session and nine continuing education sessions at the June 2016 SNMMI Annual Meeting in San Diego, CA. All of the sessions were well attended.

Categorical Session – Small Molecule PET Radiotracers

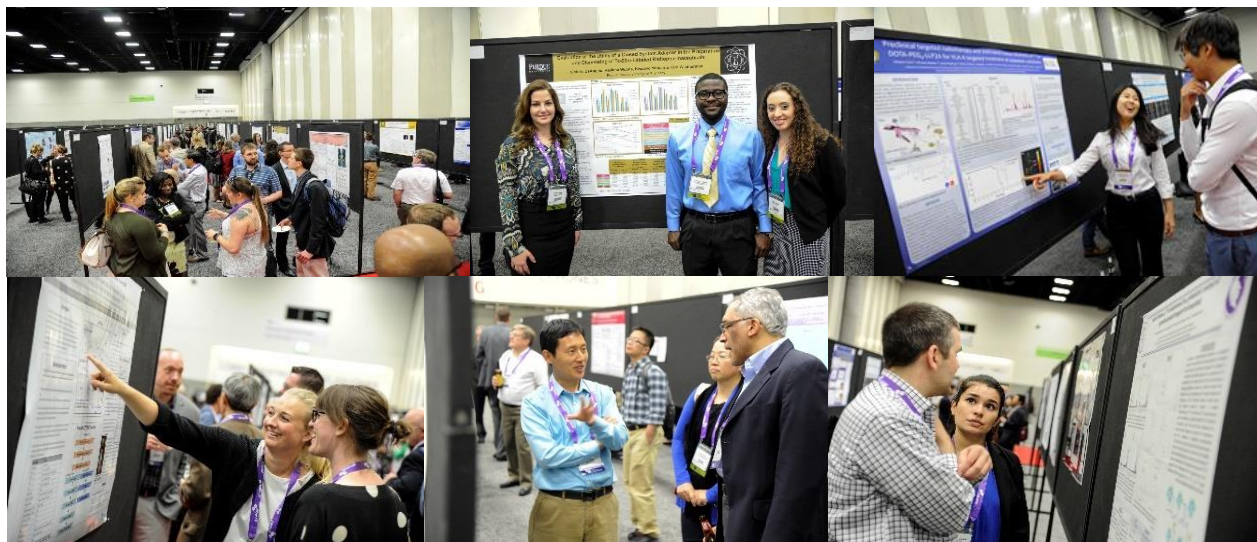
Continuing Education Sessions:

- Next-Generation Radiotracers for Cancer Imaging
- Career Boot Camp: The Cliff-Note Guide to Navigating Your Career Success
- Michael J. Welch Award and Lecture (Award presented to Robert Dannals, PhD)
- Bioorthogonal and Click Chemistry for Molecular Imaging/Therapy
- Saul Hertz Award Symposium: Theranostics
- From Molecule to Man: Translation of Tracers in Europe, United States and China
- PET Drug Manufacturing: Living in an FDA-Regulated World
- New Targets: Tracer and Techniques in Nuclear Cardiology
- Theranostic Nanoparticles

2016 RPSC/CMIIT Poster Mixer!

The RPSC and the Center for Molecular Imaging Innovation and Translation (CMIIT) co-sponsored the highly popular Poster Mixer Event at the SNMMI annual meeting in San Diego, CA. The Poster Mixer provides attendees the opportunity to view more than 1,100 scientific posters, enjoy refreshments, and network with professional colleagues.

A big thank you goes out to our wonderful sponsors: Abbott/Abbvie; Advanced Accelerator Applications; Advion; Blackthorn Associates, LLC; Blue Earth Diagnostics, Ltd.; e-Century Publishing Corp.; Gollman Group; GroundFluor Pharmaceuticals; inviCRO, LLC; Ionetix; ISOFLEX and NUCMEDCOR; isoSolutions Marketing & Management, Inc.; MedChem Imaging, LLC; Mediso; MILabs; Sofie Biosciences; TRACON Pharmaceuticals, Inc.; Trasis; UPPI; and Zevacor Pharma, Inc.



Congratulations RPSC 2016 Award Winners!

Michael J. Welch, PhD, Award

This year's recipient is **Robert Dannals, MA, PhD**, of the Johns Hopkins School of Medicine. Dr. Dannals is well-known for his pioneering research in the development of short-lived radiotracers for positron emission tomography and single photon emission-computed tomography. Dr. Dannals presented "Serendipity – a Career of Fortunate Events" during the Michael J. Welch, PhD, Award Session at the 2016 SNMMI Annual Meeting in San Diego, California. Congratulations Dr. Dannals!



(From left to right: Suzanne Lapi, PhD, RPSC President; Peter Scott, PhD, RPSC Treasurer; Robert Dannals, MA, PhD, 2016 Michael J. Welch Award winner and Neil A. Petry, MS, RPh, BCNP, RPSC Immediate Past President).

Michael J. Welch, PhD, Postdoctoral Travel Grant Award

Congratulations to **So-Jeong Lee, PhD**, of the University of Michigan Medical School for her winning abstract entitled, "No-carrier-added (NCA) Silver [^{18}F]Fluoride as a Novel Synthon for Nucleophilic [^{18}F]Fluorination."

(Suzanne Lapi, PhD, RPSC President (right) presents So-Jeong Lee, PhD (left) with the 2016 Michael J. Welch, PhD, Postdoctoral Travel Grant Award).



Berson-Yalow Award

Congratulations to **Dongzhi Yang, PhD**. Center for Molecular Imaging, Department of Radiology, the University of Michigan – Ann Arbor for the winning abstract entitled, "ImmunoPET of Urokinase Plasminogen Activator (uPA) System: Broad Applicability in Cancer Imaging." This award is presented for the most original scientific contribution that uses competitive receptor-binding assays in vitro and/or in vivo.



(Dongzhi Yang, PhD (middle) accepts the 2016 Berson-Yalow Award from Satoshi Minoshima, MD, PhD, Scientific Program Committee Chair (right) and Suzanne Lapi, PhD, RPSC President (left).

Young Investigator Awards (YIAs)

The RPSC YIAs are reserved for the best scientific abstracts on radiopharmaceutical chemistry in nuclear medicine by young investigators. These awards were presented during the 2016 SNMMI Annual Meeting.

Congratulations to the following YIA winners pictured below with Suzanne Lapi, PhD, RPSC President.

1st Place - Andrew Mossine



2nd Place - ChenChen Zhang



3rd Place - Lu Wang



Thank you RPSC Officers and Board Members for your service!



Suzanne Lapi, PhD, RPSC President (2015-2016), receives the President's Plaque from, Xiaoyuan (Shawn) Chen, PhD, RPSC Vice President.

Suzanne Lapi will now serve as the RPSC Immediate Past President for 2016-2017.

David Dick, PhD, RPSC Secretary (2014-2016) and newly-elected Vice-President elect receives his plaque from Suzann Lapi, PhD, RPSC President.





From left to right: Neil A. Petry, MS, RPh, BCNP, Immediate Past-President, June 2015 - June 2016; Tayo Ikotun, PhD, Board Member; June 2014 – June 2016; Sally Schwarz, MS, RPh, BCNP, Board Member (SNMMI BOD Liaison), June 2015 – June 2016; Steven Zigler, PhD, Board Member, June 2014 – June 2016

Committee on Women in Nuclear Medicine

The Women in Nuclear Medicine Committee was formed by the SNMMI Board of Directors in June 2014. The committee was established to foster a community of women in nuclear medicine that will span their career paths and help them develop into future leaders. The committee vision is to achieve the highest level of excellence in the professional and personal development of SNMMI women physicians and scientists, in academic medicine, private practice and industry. An organizational structure has been put into place, with individuals assigned to key leadership. During the year, we have had 2 book club webinars and are on Twitter.

This year at the annual meeting in San Diego we had a very successful continuing education session on Sunday. The topic presented was Power on Mentoring and three women leaders (Cathy Cutler, Sally Schwartz and Vani Nijayakumar) presented. This was followed by a panel discussion moderated by Suzanne Lapi. There was great participation by the audience and many relevant questions were asked with the panel members responding with many personal anecdotes and suggestions.

Following the session, the second annual afternoon tea was held. It was extremely well attended with standing room only! The format was different and we created with 7 tables with a leader and had specific topics for discussion. Topics included being an effective leader, picking a mentor, work life balance, career development, art of negotiating, wage Gap and having difficult discussion. The format was flexible and the discussion was lead in different ways.

Since there is such interest in the group, moving forward we hope to become a Center of Excellence and have a greater presence as a group in the Society of Nuclear Medicine and Molecular Imaging.

RCPWiki – The RadioChemical & Pharmaceutical Wiki

In June, SNMMI, Radiopharmaceutical Sciences Committee (RPSC), and the Clinical Trials Network (CTN) launched the RCPWiki. This 'wiki' is an opportunity to share expertise within the field and to develop and optimize protocols, in the form of a continuously updated, crowd-sourced repository of Nuclear Medicine knowledge. Essentially, the RCPWiki is an asynchronous electronic discussion. Following a simple application and approval process (see "How to WIX wiki"), anyone can add pages and edit existing ones.

The RCPWiki is broken down into distinct sections for basic scientific methods, radiochemistry research, and radiopharmaceutical preparation. Within these there will be clear subsections for each approach or radiochemical. We anticipate that the major sections in terms of content will be the methods and notes sections, where information that is often not recorded in manuscripts will be shared. There will also be links to papers,

book chapters, databases and websites. While the RCPWiki coordinators are working closely with the Clinical Trials Network (CTN), the RCPWiki will be distinct from the CTN in that it is not a database, but rather a continually updated source of techniques and protocols. The Molecular Imaging and Contrast Agent Database (MICAD) demonstrated how useful a database of imaging agents could be. The RCPWiki is supported by the SNMMI for its membership and its content but will be crowd-sourced from practitioners in our field, ensuring its continued relevance, topicality and potential breadth of application.

The RCPWiki is being managed by Jason Dearling, PhD and Michael Haka, PhD, and CTN Staff. Check out the page at <http://www.rcpwiki.snmmi.org/>. If you are interested in contributing to the RCPWiki, please email Shyanne Mortimer (smortimer@snmmi.org) or Jason Dearling at rcp@rcpwiki.snmmi.org

Save the Date! SNMMI Mid-Winter Meeting, Phoenix, AZ. – January 19-22, 2017

The Radiopharmaceutical Sciences Council will be co-sponsoring the following continuing education sessions with the Center for Molecular Imaging, Innovation & Translation (CMIIT) at the 2017 SNMMI Mid-Winter Meeting in Phoenix, Arizona:

- *Update on USP Activities: General Chapters and Radiopharmaceutical Monographs*
- *Clinical Translation of Neuroendocrine Theranostics*
- *PSMA-based Probes in Prostate Cancer Management: Current State and Future Developments*

See You in Phoenix!

Please visit the RPSC [website](#) for more information on the council and upcoming events!