

PET Center of Excellence FY22 Business Plan –06.2021 Value Initiative 2.0

The SNMMI PET Center of Excellence (PET CoE) has many moving parts; its many task forces and working groups aim to advance the quality and utilization of PET/CT and PET/MR as well as the clinical implementation of novel PET radiopharmaceuticals by addressing education needs, reimbursement issues, credentialing and more.

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 and 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 excellence 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 center of excellence, the PET CoE will be involved in every domain; Quality of Practice, Research and Discovery, Workforce Pipeline, Outreach, Advocacy and Organizational Strength and Stability.

Goals and Programs for FY2022

Improvements in PET/CT equipment and radiotracers are happening at a staggering pace. Time-of-flight imaging has given us the ability to image smaller lesions with less radioactivity. New technologies such as PET/MR are becoming far more ubiquitous in the medical community. Several tracers have gone from research into routine clinical practice, and are enabling better imaging for prostate cancer, neuroendocrine tumors and dementia. New radiotracers for prostate, breast, and neuroendocrine tumors continue to broaden the application of PET imaging. Diagnostic and treatment algorithms for patients are being revolutionized, and PET is being linked with the ability to image and then treat sites of disease detected, expanding our capacity for theranostics. To achieve this, the PET Center of Excellence is planning several continuing education programs at the Annual and Midwinter meetings. We are partnering with other groups, both within the SNMMI and in other Societies. Further, we are preparing Symposia dedicated to specific topics of interest, continuing education articles, and information sessions for patients and members of the healthcare team. Specific goals and objectives include:

a. Board of Directors Retreat

The Center will hold a face-to-face Board of Directors planning retreat in the first quarter of 2021 to discuss ongoing and future projects of the Center.

b. PET/MR Working Group

This co-provided workshop, presented by the Society of Nuclear Medicine and Molecular Imaging's (SNMMI) PET Center of Excellence and the International Society for Magnetic Resonance in Medicine (ISMRM), will focus on both the technical aspects of PET/MRI as well as the clinical utility of PET/MRI. The workshop will feature a mixture of invited scientific presentations, proffered papers, a poster session, small group discussion, and a keynote lecture. A young investigator award will be presented to students and early stage post-doctoral or physicians that will be selected from the oral paper presentations. Educational objectives include:

- Explain why attenuation correction is a challenge in PET/MRI and the various approaches being developed to solve this problem

- Explain how MR can be used to aid in PET motion correction
- Discuss prior and ongoing efforts to quantify the arterial input function from PET/MR images
- Discuss how PET/MRI is currently used clinically and the near-term clinical applications.

c. PET Pros

PET CoE board members will review the PET Pros information and determine how it could be updated to reflect a living document while providing academic credit for authors. An editorial board will be created.

d. PET/COE Education

PET COE plans to submit proposals for a categorical session and CE sessions at the 2022 SNMMI Mid-Winter and Annual Meetings. A categorical on novel PET radiotracers will be proposed.

e. Webinar Program

The PET CoE kicked off a webinar series with a talk by Dr. Shana Elman on cardiovascular PET in May. Additional webinars will be held throughout the year.

f. Speakers Bureau

In 2018 the PET CoE created a chapter speakers bureau. E-mails went out to all chapters announcing the PET Speakers Bureau. There are several chapters who have already expressed their interest, with the Southwest Chapter having already taken advantage of the opportunity. Shana Elman, Tom Hope, and Gary Dillehay have previously presented. Moving forward, preference will be given to chapters that have not already participated in the speaker's bureau.

g. Additional Goals and Programs

1. Continue to enhance the PET CoE Newsletter, both content and distribution
2. Support the PET CoE interns, with mentorship and projects.

1. Budget and Resource Requirements

a. Summary of Financial Needs

The PET CoE FY22 budget summarizes the total resources needed to accomplish all of the goals set forth in the business plan including the budget for the PET/MRI Workshop which was included in the SNMMI budget.

b. Resource Requirements

Additional staff, materials, technology, and marketing support will be required for the PET/MRI Workshop, however, this was previously approved by the SNMMI Board of Directors.

PET Center of Excellence Background Overview

1. Mission

The Society of Nuclear Medicine Molecular Imaging's (SNMMI) PET Center of Excellence is an organizational component within the SNMMI dedicated to all aspects of the development and utilization of Positron Emission Tomography (PET), PET/CT and PET/MR in the detection and management of disease. The Center focuses on educational programs and practical issues directly related to PET, PET/CT, and PET/MR, including clinical practice, regulator issues and reimbursement.

The PET Center of Excellence:

- (a) Provides a forum for members with similar interests
- (b) Provides expertise in PET and clinical practice
- (c) Fosters research and education in PET and clinical practice
- (d) Provides outreach to other professionals and organizations
- (e) Nurtures new membership in SNMMI

2. PET CoE Leadership

Officers

President: Rathan Subramaniam, MD, PhD, MPH, FACNM, FSNMMI
 Vice President: Gary Ulaner, MD, PhD, FACNM
 Secretary/Treasurer: Twyla Bartel, DO, MBA, FACNM, FSNMMI
 Immediate Past President: Michael Knopp, MD, PhD

Term

June 2021-June 2023
 June 2021-June 2023
 June 2021-June 2023
 June 2021-June 2023

Board of Directors

Sonya Youngju Park, MD	June 2019 – June 2022
James Tyler Middlebrooks, BS, CNMT, RT(N)(CT)(ARRT)	June 2019 – June 2022
Twyla B. Bartel, DO, MBA, FACNM	July 2020 – June 2023
Maria Liza Lindenberg, MD	July 2020 – June 2023
Farrokh Dehdashti, MD	July 2020 – June 2023
Patrick Veit-Haibach, MD	July 2020 – June 2023
Simin Dadparvar, MD, FACNM, FSNMMI	July 2020 – June 2023
Esther Choi, MD, CCD, MS	July 2020 – June 2023
Austin Pantel, MD	June 2021-June 2023
Dustin Osborne, PhD	June 2021-June 2024

Intern (non-voting)

Hyesun Park, MD	June 2021-June 2023
Andrea Rapp, B.S., CNMT, NMTCB (RS), R.T. (N)(CT)(ARRT)	June 2021-June 2023

3. Current Status

A. Financial

As of June 1, 2021, the PET CoE has a projected revenue of \$33,965 for FY2021. This includes \$13,965 in member dues and \$20,00 carryover from FY2021. The total projected expenses for FY2022 are \$1,100.

B. Membership

As of July 1, 2021, there are 941 members in the PET CoE which include 662 physicians and scientists and 380 technologists. The annual membership counts for the past few years are shown below:

<u>Year</u>	<u>Membership Count</u>
2020	1154
2019	1105
2018	1109
2017	1156

C. Member Benefits

Member benefits include:

- A forum for discussion and dissemination of basic science and clinical practice information regarding PET/CT, PET/MR, and clinical implementation of novel PET radiopharmaceuticals
- Eligibility to vote in the PET COE Board of Directors elections
- Quarterly newsletter
- PET COE Website Resources
- Sponsored educational symposia related to members' interests
- PET COE E-Community
- PET COE Webinars
- A \$20.00 discount for PET COE sponsored categorical session.

4. Accomplishments for FY2021

The PET CoE's achievements, based on its objectives for the year were:

a. PET CoE Support for PET Presentations at SNMMI Chapter Meetings

The PET CoE board agreed to launch a program to support speakers on PET topics at SNMMI Chapter meetings, with up to \$500 for travel expenses. The Southwest Chapter hosted the first PET speaker. There are two additional talks planned for 2020. The program will be presented to the Committee on Chapters at the 2019 Annual Meeting. In addition, letters will be sent to Chapter Executive Directors, inviting them to submit requests for PET speakers.

b. Annual SNMMI-RSNA PET/CT Case-Based Workshop (full day at RSNA)

Organized – but on hold as RSNA is planning a virtual meeting and details are not yet available.

c. PET COE Education

The PET COE is leading efforts within SNMMI to educate physicians on how to perform and interpret PET/CT and PET/MR through continuing education at the SNMMI Midwinter and Annual meetings.

d. PET COE Awards

The PET CoE presented the 2021 Peter E. Valk, MD, Award to Dr Rodney Hicks. His talk, will be given as a webinar with acknowledgement at the annual meeting in 2021.

e. SNMMI Councils and Centers Internship Program

The PET COE is supporting two interns for 2021-2023, Dr Park and Andrea Rapp, CNMT

f. Published quarterly PET COE Newsletter

The Board voted to make changes to the distribution of the PET CoE Newsletter, by having the newsletter be open access and distributed via SmartBrief. Also, it is adding a lead article which will provide CE credit, which will be complimentary to PET CoE members.