

Center Report to the SNMMI Board of Directors
June 2018

BRAIN IMAGING COUNCIL

Council Mission: The Brain Imaging Council is a group within The Society of Nuclear Medicine and Molecular Imaging, Inc., hereafter referred to as the Society, dedicated to the scientific interchange of ideas among Society members who have interest in brain imaging using radiopharmaceuticals. The overall mission of the Brain Imaging Council is to:

- (a) provide a forum for members with similar interests
- (b) provide to membership expertise in brain imaging using radiopharmaceuticals
- (c) foster research and education in brain imaging using radiopharmaceuticals, and stimulate novel radionuclide therapy in the area of neuro-oncology
- (d) provide outreach to other professionals and organizations
- (e) nurture new membership into the Society
- (f) serve as a resource to SNMMI Leadership

Council Mission and SNMMI's Strategic Plan: The work of the Brian Imaging Council applies to the following goals and objectives in SNMMI's Strategic Plan:

Goal B: SNMMI has advanced the development and approval of nuclear medicine and molecular imaging technologies.

Objective 1: Encourage and promote research in the field.

- a) Increase the number of facilitated collaborative research efforts among academic sites with industry.
- b) Reach out to experts in the field to involve them in work groups or coalitions that are producing new studies and papers.
- c) Support and foster collaboration between academia and industry; academia looks to industry to translate initial discoveries in patient care into new technology.

Objective 2: Increase the number of initiatives targeting the discovery and validation of diagnostic radiopharmaceuticals, radiotherapeutics and instrumentation.

- a) Organize meetings/events to involve experts from the field in identifying high-impact, unmet clinical needs.

Goal F: SNMMI has the organizational strength and sustainability to lead the field in a dynamic healthcare landscape.

Objective 1: Strengthen membership numbers.

- d. Ensure enthusiasm.
- iii. Create a sense of community and networking opportunities among our members.

Academic Council President: Alexander E. Drzezga, MD

Date of Last meeting: Board of Directors Conference Call – January 27, 2018

Date of Next meeting: June 24, 2018

Update on Council Programs:

2018 SNMMI Annual Meeting Categorical Session:

- *Clinical Relevance of Molecular Neuroimaging*

2018 SNMMI Annual Meeting CE Session:

- *Brain Imaging Read with the Experts – Nuts and Bolts Session*
- *Value of Quantification in Neuroimaging*
- *Kuhl-Lassen Award Lecture and BIC Business Meeting*
- *PET Neuroimaging of Brain Glioma*
- *Advances in Imaging Proteinopathies Associated with Neurodegeneration*

Action Items in Progress/Pending:

- Preparation for 2019 Mid-Winter and Annual Meeting
- Completion of the Value Initiative Document

Action Items Completed:

- Drafting of BIC programs (see above)
- Submission of items for the Value initiative:

The BIC recommended the following topics for the Value Initiative

- *Imaging neuronal function: Moving from imaging of neuronal function to imaging synaptic density*
- *Imaging protein pathology: Moving from imaging amyloid to tau and other forms of aggregates*
- *Imaging inflammation: Moving from imaging TSPO to novel biomarkers of cerebral inflammation*
- *Imaging transmission: Complementing receptor/transmitter imaging methods with imaging of glutamatergic neurotransmission*
- *Image analysis: Moving from observer-independent image analysis to implementing the use of AI in molecular brain imaging*

Recommendations/Questions for the Board of Directors: N/A

Other Comments: N/A