

**Society of Nuclear Medicine and Molecular Imaging
Brain Imaging Council
Business Plan
2018-2019**

1. Executive Summary

The Brain Imaging Council (BIC) provides exceptional programs and educational activities at the Annual SNMMI meeting every year. This result has been achieved via interest in the use and expansion of amyloid, tau and dopamine transporter imaging as diagnostic tools and biomarkers, especially in dementia and other neurodegenerative diseases, as well as a continued interest in FDG PET. The plan for 2017-2018 is aimed at pursuing new areas such as synaptic vesicle imaging and new neuroinflammatory markers while consolidating this trend through appropriate educational activities.

2. Mission of the Council

The BIC exists to educate, develop and advance clinical and research applications of nuclear brain imaging. This is achieved through organizing research symposia, sponsoring educational courses, supporting the Society in developing policy positions for brain imaging applications, training, and fostering connections among Council members and resources for meeting educational, clinical, and research needs for successful brain imaging. The BIC seeks to benefit a range of nuclear medicine professionals from nuclear medicine specialists in hospital or the private practice of nuclear medicine, nuclear medicine technologists, and investigators with interest in the research and clinical application of brain. 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
- d. provide outreach to other professionals and organizations
- e. nurture new membership into the Society
- f. serve as a resource to SNMMI Leadership

3. Council Leadership

The following represent the executive leadership of the Brain Imaging Council.

Officers

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|---|--------------------------------------|
| President: Victor Villemagne, MD | Term June 2018 – June 2019 |
| President-Elect: Karina Mosci, MD | June 2018 – June 2019 |
| Vice-President: Karina Mosci, MD | June 2018 – June 2019 |
| Vice President-Elect: Dean F. Wong, MD, PhD | June 2018 – June 2019 |
| Secretary: TBD | June 2018 – June 2019 |
| Treasurer: Donna Cross, PhD | June 2018 – June 2020 |
| Immediate Past President: Alexander Drezga, MD | June 2018 – June 2019 |

Board Members

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|------------------------|--------------------------------------|
| Ming-Kai Chen, MD, PhD | Term June 2017 – June 2019 |
| David Lewis, MD | June 2018 – June 2020 |
| Phillip Kuo, MD, PhD | June 2018 – June 2020 |
| Julie Price, PhD | June 2018 – June 2020 |
| David Cheng, MD, PhD | June 2018 – June 2020 |

Intern

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| K. Elizabeth Hawk, MS, MD, PhD (<i>Non-voting</i>) | Term June 2017 – June 2019 |
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4. Current Status

A. Financial

As of August 3, 2018, the BIC has a total revenue of \$26,513. This includes \$5,565 in member dues and a carryover of \$19,948 from FY2017. Total projected expenses in FY2018 are \$5,640. Revenue is generated through annual membership dues, which are \$15.00 per member.

B. Membership

As of June 4, 2018, the BIC has 366 members which includes 267 physicians and scientists, and 77 technologists. There are also 911 In-Training members affiliated with the BIC. The BIC membership history for the past few years is listed below:

BIC Membership History

2017 = 325

2016 = 298

2015 = 341

C. Member Benefits

- Continuing education for professionals in the various areas relating to brain imaging through sponsored symposia and continuing education courses, including a “read with the experts” session
- A forum and a mechanism for discussion and dissemination of information relating to the brain imaging
- Periodic newsletters and electronic mailings containing information on professional activities, government issues, and a host of other topics related to brain imaging
- Access to BIC webpages, which will contain information relating to a variety of relevant topics in brain imaging
- Provides expertise in brain imaging to SNMMI leadership and to groups outside of SNMMI. Representation in a number of governance groups within SNMMI, including the Committee on Councils and the House of Delegates.

5. Accomplishments for FY2018

- The primary activity of the BIC has been development of CE sessions at the SNMMI’s Mid-Winter and Annual Meetings. The BIC sponsored the following categorical session and CE sessions at the 2018 SNMMI Annual meeting:
 - Categorical Session: “Clinical Relevance of Molecular Neuroimaging”
 - CE Sessions:
 - “Advances in Imaging Proteinopathies Associated with Neurodegeneration”
 - “PET Neuroimaging of Brain Gliomas”
 - “Read with the Experts: Brain Imaging (Nuts and Bolts)”
 - “Value of Quantification in Neuroimaging”
 - “BIC Young Investigators Award Symposium”
 - “Kuhl-Lassen Award Lecture”
- The BIC has been working on appropriate use criteria for amyloid PET for the development of an amyloid PET guideline, as well as for promoting the IDEAS study. Education continues for proper utilization of FDG/PET, amyloid PET and dopamine transporter imaging. Well attended PET session at the SNMMI 2018 Mid-Winter meeting.
- The BIC has been working to develop and maintain SNMMI practice guidelines in the field of neuroimaging. Amyloid practice guidelines are finalized. Ioflupane practice guidelines were completed several years ago. FDG PET brain and perfusion brain SPECT practice guidelines are both still in place. It is planned to develop, together with the EANM, a new brain tumor imaging guideline.

- Continued maintenance of the neuro PET and SPECT practice guidelines.
- Support for Young Investigators in the form of a BIC sponsored Young Investigators' scientific session at the annual meeting, with monetary award and recognition of nascent investigators.
- BIC Intern program. The BIC supports an intern to work on projects related to brain imaging for a two-year term. Kristina Hoque, MS, MD, PhD is the BIC intern for the 2017-2019 term.
- Sponsorship of a downloadable reference perfusion SPECT brain perfusion data for research use by the academic community is under discussion.
- SPECT and PET cases, potentially for CME credit for BIC members to achieve both CME and SAM accreditation.
- BIC communications via email and social media to members, periodic newsletters, and BIC website.
- Develop a policy and procedures to guarantee de-identification of neuroimaging studies

6. Goals and Programs for FY2019

The BIC contributes to several goals in the SNMMI Strategic Plan. Specifically, the BIC contributes to Goal A: SNMMI members are known for high-quality, value-driven performance and delivery of patient-centered nuclear medicine practice, Goal B: SNMMI has advanced the development and approval of nuclear medicine and molecular imaging technologies, Goal C: There is an appropriate number of qualified professionals working in the field of nuclear medicine and Goal E: Patients and the medical community recognize the value of nuclear medicine, molecular imaging and radionuclide therapy.

- Continue to advocate for the use of PET in the management of patients with dementia, including improved information on this topic on the BIC website, as well as improved patient information on the SNMMI CMIIT website.
- Participate in Brain Imaging Outreach Group and the SNMMI/ACR PET/MR Credentialing Task Force.
- Continue to distribute information to members via email, social media, newsletters, and the BIC website.
- The BIC will continue to co-sponsor educational sessions at both the 2019 SNMMI Mid-Winter and Annual meetings.
- The BIC will submit session proposals for the 2019 SNMMI Annual meeting covering clinical applications and updates on research developments especially with regard to molecular imaging, consistent with SNMMI's strategic MI initiative.
- Encourage the use of quantitative brain FDG PET analysis in research and clinical practice by providing information on how to access software and normal studies for database construction.
- Increase BIC members by promotion of the benefits of membership to the SNMMI community including an investigation of the website as a tool to provide free CME to council members.
- Continue to advocate for FDA approval of F18-FDG use in dementia.
- Explore possibilities for collaboration with the SNMMI clinical trials network and pharmaceutical companies to facilitate the use of FDG and amyloid tracers as biomarkers for

early diagnosis and clinical trials of Alzheimer's disease even before onset of dementia.

- Expand advocacy and education efforts for neuroimaging to referring clinicians.
- Develop and maintain SNMMI practice guidelines in the field of neuroimaging.
- Continue to support an intern to work on projects related to brain imaging for a two-year term.
- Offer free in-training membership to in-training residents, in training associate scientists and in-training technologists.
- Promote the Brain Imaging Council's activities on social media platforms including Facebook and Twitter.

7. Budget and Resource Requirements

a. Summary of Financial Needs

The attached budget summarizes the total resources needed to accomplish all of the goals set forth in the business plan.

b. Resource Requirements

No additional staff, materials, technology, or marketing support is required beyond the usual support provided by SNMMI headquarters.