Overview: SNMMI Councils and Centers provide professional networking and educational programs for nuclear medicine and molecular imaging professionals in respective areas, while simultaneously serving as a resource for development and implementation of the SNMMI Strategic Plan and other Society policies.

Reporting Instructions: Twice a year, councils and centers are asked to submit a written report to the House of Delegates (councils) and Board of Directors (centers of excellence). These reports help the HOD and BOD to keep up-to-date on the activities of the special interest groups, while also providing an opportunity for these groups to note any challenges they are having with respect to meeting their goals.

Goal 1: Hold in-person CaIC Board of Directors (BOD) meetings at the SNMMI Annual Meeting (AM), as well as summer and spring CaIC BOD conference calls.

SNMMI Strategic Plan Goals that relates to this goal:
Goal A: Advance the development and approval of nuclear medicine and molecular imaging technologies.

Current Progress:
An in-person meeting of the BOD was held at the 2016 AM. Leadership phone calls have been held since for planning educational offerings at the 2017 Mid-Winter and Annual Meetings.

Next Steps: We will continue to have phone meetings and email discussions as necessary. We will have at least one BOD phone meeting prior to the 2017 Annual meeting.

Goal 2: Provide educational opportunities and materials relevant to technological topics of interest to CaIC members and to SNMMI members in general.
- Provide the Vice Chair and Sub Chairs to oversee the Instrumentation and Data Analysis Track for the 2016 SNMMI AM Scientific Program Committee.
- Provide reviewers for the submissions to the Instrumentation and Data Analysis Track for the 2016 SNMMI AM.
- Organize at least one CME session at the 2016 SNMMI Mid-Winter Meeting (MWM).
- Organize at least two CME Sessions and/or Categorical Seminars at the 2016 SNMMI AM.

SNMMI Strategic Plan Goals that relates to this goal:
Goal C: Increase appropriate utilization of Radionuclide Therapy.
Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.
Goal E: Support and enhance the professional workforce and environment.

Current Progress:
Scott Metzler serves as the CaIC's representative as vice chair for Instrumentation and Data Analysis, overseeing and fulfilling all aspects of this goal. Sub Chairs and reviewers have been identified by Dr. Meltzer and the Scientific Program Committee.
CAIC sponsored Education Sessions at the 2017 Mid-Winter Meeting will include:
1) Dose Estimation and Optimization in Pediatric Nuclear Medicine (w Pediatric Imaging Council)
2) Instrumentation for Low Dose Dedicated Imaging Systems: What Features Matter and Why (w Pediatric Imaging Council)
3) Clinical Neuroimaging: Focus on DAT Imaging and Brain Death (w Brain Imaging Council, General Clinical Nuclear Medicine Council)
4) Advances in Cardiac SPECT and PET Imaging (w Cardiovascular Council)
5) Role of Quantification in Amyloid and Tau Imaging (w Brain Imaging Council)
6) Advances in Molecular Imaging of Breast Cancer
7) Role of PET/MR in Cancer and Non-Oncologic Application (w Pediatric Imaging Council)

CAIC sponsored Education Sessions at the 2017 Annual Meeting will include:
1) (Categorical) SPECT/CT: Clinical Applications and Quantification ((w General Clinical Nuclear Medicine Council)
2) (Categorical) Radiation Dose Optimization in Pediatric Nuclear Medicine (w Pediatric Imaging Council)
3) (CE/CME) Board Certification for Nuclear Medicine Scientists: Its Value and Pathways to Obtain It (w Center for Molecular Imaging Innovation and Translation)
4) (CE/CME) Simultaneous PET/MR: Clinical Applications & New Technical Advances (w PET Center of Excellence)
5) (CE/CME) Radiomics (w Center for Molecular Imaging Innovation and Translation)
6) (CE/CME) Cardiac SPECT Instrumentation, Including Dynamic (w Cardiovascular Council)
7) (CE/CME) PET Instrumentation and Data Analysis: The Essentials
8) (CE/CME) New and Emerging PET Instrumentation and Technologies
9) (CE/CME) Data driven motion correction
10) (CE/CME) Current Status and Future Prospects: SPECT Instrumentation

**Next Steps:**
Ensure that educational offerings above are carried out successfully. Promote the offerings within the CaIC membership. Begin planning next year’s offerings.

**Goal 3:** Recognize innovation and excellence in the arena of technology in molecular medicine, particularly nuclear medicine imaging.
- Organize and moderate the CaIC Young Investigators Award (YIA) Symposium for the 2017 SNMMI Annual meeting.
- Organize and moderate the 2017 Edward J. Hoffman Memorial Lecture to be held at the 2017 SNMMI Annual meeting.
- Organize and present the 2017 Tracy Lynn Faber Memorial Award for advancement of women in medical imaging sciences to be held at the 2017 SNMMI Annual meeting.

**SNMMI Strategic Plan Goals that relates to this goal:**
Goal E: Support and enhance the professional workforce and environment.

**Current Progress:**
Selection committees have been formed for the Hoffman and Faber Awards.
Next Steps:
The Hoffman and Faber Award Committees will finish the selections process and present the results to the CaIC Board of Directors. The YIA Symposium and Hoffman Award sessions will be organized for the 2017 Annual Meeting. The Faber award will be presented at the CaIC annual meeting.

Goal 4: Organize the CaIC Instrumentation and Data Analysis Track Basic Science Summary Session to be held at the 2017 SNMMI Annual meeting.

SNMMI Strategic Plan Goals that relates to this goal:
Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.

Current Progress: N/A

Next Steps:
Organize the Session after Scientific Abstract selection is completed.

Goal 5: Communicate with members via email blast announcements, periodic newsletters, and the CaIC website.

SNMMI Strategic Plan Goals that relates to this goal:
Goal E: Support and enhance the professional workforce and environment.

Current Progress:
The CaIC webpage was re-organized by Arman Rahmim (CaIC Council Vice-President Elect) and SNMMI staff. A Fall 2016 CaIC newsletter was produced by Mark Smith (CaIC Council Vice-President) and Ana Hilton (SNMMI Staff).

Next Steps:
Produce a Spring 2017 newsletter. Continue to update the webpage as appropriate.

Goal 6: Provide expertise for the oversight of technological aspects of SNMMI scientific conferences and publications.

SNMMI Strategic Plan Goals that relates to this goal:
Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.

Current Progress:
The CaIC has been actively in the planning of the 2017 Mid-Winter and Annual meetings. The CaIC has not been asked for feedback or expertise this year for SNMMI publications so far this year.

Next Steps:
The CaIC is available to provide expertise to SNMMI scientific conferences and publications as needed.

Goal 7: Support efforts on standards relevant to molecular medicine, particularly nuclear medicine.
**SNMMI Strategic Plan Goals that relates to this goal:**

Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.

Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.

**Current Progress:**
While we expressed opinions and gave feedback on new IHE and DICOM proposals in the 2015-2016 year we have not been asked for feedback or expertise this year.

**Next Steps:**
The CaIC is available to provide expertise on instrumentation, imaging science, and medical physics on behalf of SNMMI as needed and appropriate. The CaIC is particularly willing to provide expertise to the SNMMI Procedures Standards Committee on new or revised Procedure Standards.

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<th>Goal 8: Seek constructive interactions with other entities both within the SNMMI and externally with other organizations.</th>
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**SNMMI Strategic Plan Goals that relates to this goal:**

Goal B: Facilitate and support the availability and clinical utilization of nuclear medicine and molecular imaging technologies.

Goal D: Advance and promote quality, value and safety of Molecular Imaging and Nuclear Medicine.

Goal E: Support and enhance the professional workforce and environment.

**Current Progress:**
The CaIC has Board Members (and membership) that are part of other organizations and attempts to collaborate where possible.

**Next Steps:**
The CaIC will continue to look for these opportunities.

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**Open Comment Section**

**CHALLENGES** – Please provide information on any challenges you are having within your council/center that you would like assistance from the SNMMI to help overcome.

The recent declines in membership are going to make it harder to fund the operations of the CaIC and other Councils.
**OPPORTUNITIES** – Please provide information on opportunities that you believe exist within your council/center OR other related special interest groups (or outside stakeholders) that the SNMMI can help facilitate or should be aware of.

The CaIC has expertise on technology that may be helpful as other groups within SNMMI revise standards to match new imaging capabilities. Potential collaborators might include the Clinical Trials Network, the PET Center of Excellence, the Committee on Quality Assurance, and the Procedure Standards Committee.