



GENERAL

ICEC continues to broaden its outreach through the establishment of Twinning Programs and individual mentoring partnerships. It has joined UICC as a full member and continues to serve as a participating member of the Global Health Council, the Global Health Security Roundtable, the NCD Alliance and the NCD Roundtable. Staff and Board members routinely attend and participate in conferences, meetings and other opportunities to engage with the global community in efforts to reduce disparities in the delivery of cancer care. Outreach efforts this past year include:

- National Academies of Science, Nuclear and Radiation Studies Board; Presentation by Dr. Norm Coleman – “Development and Deployment of Non-Radioactive Source Technologies to Treat Cancer”
- Ad hoc Working Group on Alternative Technologies to High Activity Radioactive Sources on June 14, 2018 in Vienna, Austria: Presentation by Nina Wendling, “Improving Cancer Care in Low- and Middle-Income Countries: A systems approach”. ICEC Board Member Miles Pomper presented “Re-engineering the Next Generation of Medical Linear Accelerators for Use in Challenging Environments”
- Ronald H. Brown African Affairs Series Roundtable II on Healthcare Infrastructure at the African Union Representational Mission to the United States, sponsored by Constituency for Africa: “Strategies for Engaging the Diaspora in Addressing Health Challenges in Africa
- ICEC Oral Abstract Presentations at the UICC World Cancer Congress
 - “Workforce capacity and capability building through metrics-based mentoring partnerships” (Dr. Onyi Balogun, Weill Cornell Medical College)
 - “The future of global radiation oncology as part of accurate, precision cancer medicine” (Dr. C. Norm Coleman, NCI, RRP)
 - “Education, training and ongoing updating for high-quality cancer care: programs and technology for tumor boards and case discussion” (Eugenia “Nina” Wendling, Chief Operating Officer, ICEC)
- Attended the WHO UICC meeting at the United Nations High Level Meeting, “A World Free of Cervical Cancer”



*Dr. Tedros Adhanom Ghebreyesus WHO Director-General and
ICEC Chief Operating Officer, Nina Wendling*

PROGRAM DEVELOPMENT

Young Investigators' Conference: Pioneering Action for Global Cancer Care

On February 14-15, 2019, ICEC will launch its inaugural symposium, [“Pioneering Action for Global Cancer Care”](#) to be held at the National Academies of Sciences in Washington, D.C. The conference will bring together young healthcare

professionals who are recognized as key players in global oncology to facilitate the exchange of ideas and foster collaborations as they present updates on their international efforts to better understand, prevent and treat cancer.

Dr. Douglas R. Lowy, Deputy Director of the National Cancer Institute, will deliver the keynote address. Editors of ASCO's [*Journal of Global Oncology*](#) has agreed to publish several articles based on key themes of the conference that will be authored by ICEC Early Career Leaders. This opportunity will extend the impact of the conference and will contribute to knowledge regarding the greater global oncology community. Global representation will be reflected in the meeting's keynote speakers, panelists and meeting attendees and will include individuals from upper-income countries as well as from low- middle-income countries (LMICs). ICEC's programs also include geographically isolated indigenous people from upper-income countries who often experience circumstances similar to those in LMICs.



Information, Registration, and Abstract submission portal are open! <https://www.iceccancer.org/conference/>

The symposium will provide an opportunity for young cancer professionals from diverse regions to share and discuss the unique opportunities and challenges that they encounter at their home institutions and practices as well as abroad. The conference will highlight their efforts related to mentorship, education and training while guiding systematic incremental improvements in cancer care delivery programs in low- and middle-income countries. What is now needed is a bona fide career path for global oncology, a key topic of this conference building on Danielle Rodin et al. "Global Health in Radiation Oncology: The Emergence of a New Career Pathway, *Semin Radiat Oncol.* 2017 Apr;27(2):118. We are proud of the ability of ICEC's young investigators to carry the baton of the prevention and treatment of cancer to where on-the-ground cancer treatment is most needed.

Responding to a Critical Need: The ICEC 5-Step Progression Plan for Cancer Care®

It is recognized that for ICEC to achieve its goals, metrics of progress and success are essential. Currently, ICEC works with nearly 30 affiliated ICEC Twinning Programs and mentoring partnerships in efforts to improve the quality of care delivered in underserved regions using protocols and a set of specific metrics reflected in ICEC's 5-Step Progression Plan for Cancer Care. The aim is for a participating care delivery site to meet the metrics outlined with the aim to pass an international accreditation and participate in international clinical trials. **The ICEC 5-Step Progression Plan for Cancer Care** received official copyright registration from the United States Copyright Office in June 2018. Copies of the plan can be ordered from ICEC. Send requests to info@iceccancer.org.

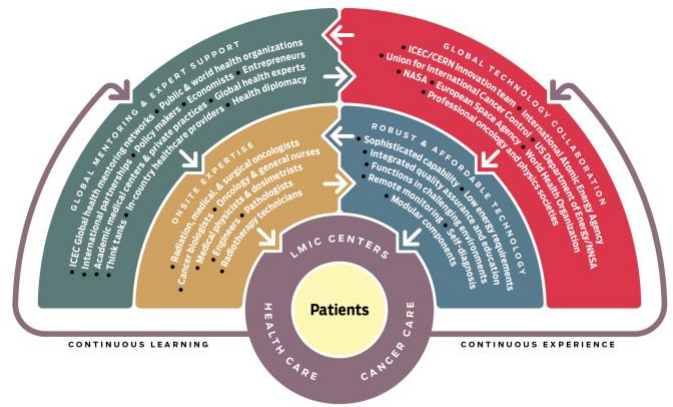


INNOVATION - UPDATE ON THE CERN/ICEC/STFC NOVEL LINAC PROJECT

ICEC: Working on two closely related pathways: mentoring and innovation in the application of technology.

The need for robust, first-rate radiation treatment systems capable of functioning in the challenging environments encountered in many developing countries is another well-recognized global need. For the last 3 years, ICEC has been working to identify solutions to address this complex issue through hosting workshops and meetings in the US and in Europe.

The first workshop, sponsored by ICEC and hosted by CERN on November 7-8, 2016, entitled “Design Characteristics of a Novel Linear Accelerator for Challenging Environments”, is summarized in an article in *Radiotherapy and Oncology* (Pistenmaa DA et al. Changing the global radiation therapy paradigm. *Radiother Oncol* (2018), <https://doi.org/10.1016/j.radonc.2018.05.025>)



Following the second international workshop hosted by CERN on October 26-27, 2017, entitled “Innovative, Robust and Affordable Medical Linear Accelerators for Challenging Environments” that was sponsored by ICEC and STFC, five work packages corresponding to major discussion topics at the workshop were funded by STFC (approximately L60,000 each). Progress on the five work packages was reported at the workshop hosted by STFC in Sutton, UK, on March 22-23, 2018, entitled “Burying the Complexity: Re-engineering for the Next Generation of Medical Linear Accelerators for Use in Challenging Environments”, that was sponsored by CERN, ICEC and STFC. This work is continuing thanks to a modest increase in funding from STFC. Application for further UK funding in conjunction with ODA, ICEC and CERN. The Global Cancer Research Fund Accelerator Design Study (GCRF ADS) team headed by Peter McIntosh at the Daresbury Laboratory and the Global Radiotherapy Access in Challenging Environments Network (GRACENet) and is being led by Suzie Sheehy (PI) and Co-Investigators Ajay Aggarwal and Simon Jolly.

A follow up workshop is being organized by STFC and will take place in Gaborone, Botswana in March 2019 to achieve even greater participation by people from ODA countries.

An ICEC Expertise LINAC Project Think Tank has been established to accelerate progress toward the goal of accessible world quality cancer care

ICEC CENTERS AND ASSOCIATES/HUBS AND EXPERTS

In addition to the ICEC 5-Step Progression Plan for Cancer Care®, ICEC continues to support the piloting and use of the National Comprehensive Cancer Network (NCCN) [Framework for Resource Stratification of NCCN Guidelines \(NCCN Framework™\)](#) and the [NCCN Harmonized Guidelines™ for Sub-Saharan Africa](#).

All of these resources are particularly valuable tools to be used in LMICs and other challenging environments. ICEC appreciates the unique opportunity to work toward formal guideline and protocol development with an expert group and one connected closely with the major academic cancer centers.

OUTREACH AND DEVELOPMENT

ICEC Awards and Funds

ICEC continues to garner support for three funds exclusive to ICEC including the [Ellen Lewis Stovall Early Career Leaders Fund](#), the [Rodney R. Million, MD Fund for Innovation in Clinical Care](#) and the [Henry S. and Leah Kaplan Human Rights and Service to Humanity Award](#). The Stovall and Million funds, awarded through competitive peer-reviewed grant applications, provide ICEC with the resources to directly support practitioners in their efforts to improve global cancer care in challenging environments. These funds are designed to provide financial support to early career healthcare practitioners focused on global cancer care, a group that often faces funding challenges while pursuing academic medical careers. Currently Early Career Leaders are actively running twinning programs or fostering mentoring relationships in low- and middle-income countries.

The [Henry S. and Leah Kaplan Human Rights and Service to Humanity Fund](#) provides peer-reviewed support for mentorship and leadership activities for the ICEC. This includes *individual peer-reviewed grants* to partially support mentorship and *group peer-reviewed grants* for specific ICEC-affiliated projects that emphasize the human rights aspect of

global health. An occasional separate and distinct award, the Henry S. and Leah Kaplan Human Rights and Service to Humanity Award, serves as an instrument of good to highlight the efforts of select extraordinary individuals whose work has had a truly significant impact on global health. ICEC encourages all types of vehicles to facilitate support of our mission including [individual donations](#), [corporate](#) and [foundation](#) support and [planned-giving opportunities](#). ICEC's support of its Early Career Leaders has garnered the interest of foundations and corporate support.

To make a donation to support any of these grants or to make a contribution for general support of ICEC, please visit the ICEC website's [donation page](#).

AmazonSmile ICEC participates with the Amazon Smile program and asks that you designate ICEC as your **charitable organization to support when shopping on AmazonSmile**. Designate ICEC as your charitable organization to receive donations from eligible purchases made at smile.amazon.com.

RECOGNITION/IN THE NEWS

C. Norman Coleman received [The Ellen L. Stovall Award for Innovation in Patient-Centered Cancer Care](#), awarded by the National Coalition for Cancer Survivorship, in honor of Ellen Stovall, a founding board member of ICEC and a longtime CEO of NCCS who passed away in 2016. The Stovall Award is awarded annually to individuals, organizations, or other entities who demonstrate innovation in improving cancer care for patients in America. Dr. Coleman's efforts and innovative approaches to improve cancer care for individuals in the US and worldwide are detailed in this [Tribute video](#) produced by NCCS.



NCCS Presents 3rd Annual Ellen L. Stovall Award to Gay Crawford and Dr. Norman Coleman, Their 40+ Year Careers Focused on Improving Patient-Centered Cancer Care

From l-r: The Hon. Jamie Raskin, The Hon. Debbie Wasserman Schultz, Dr. C. Norman Coleman, Gay Crawford, The Hon. Anna Eshoo, Shelley Fuld Nasso, CEO, NCCS