Dr. David Chambers is Deputy Director for Implementation Science in the Office of the Director in the Division of Cancer Control and Population Sciences (DCCPS) at the National Cancer Institute (NCI). Dr. Chambers manages a team focusing on efforts to build and advance the field of Implementation Science (IS) through funding opportunity announcements, training programs, research activities, dissemination platforms, and enhancement of partnerships and networks to integrate research, practice and policy.

This presentation will serve as an orientation to the field of implementation science in cancer control, the challenges inherent in biomedical research that it seeks to address, and the approaches through which implementation science can optimize the impact of research-tested interventions on the health and healthcare of populations. Following an initial discussion of the context in which implementation science was developed, the speaker will walk through some of the current opportunities that the National Cancer Institute (along with the broader US National Institutes of Health) has created, spotlighting a number of key research priorities that seek to advance the adoption, implementation, sustainment (and de-implementation, where warranted) of a range of health interventions. The presenter will then focus on key remaining limitations from the traditional translational research pathway that, if overcome, could greatly enhance the fit between evidence based interventions and the settings and populations in which they are intended to be used. Covering topics such as intervention adaptation and sustainability, the presentation will posit how a new consideration of evidence and its evolution over time may result in greater gains to population health than the traditional view.