

CARDIOLOGY GRAND ROUNDS



Translational Studies toward Stratification and Upstream Prevention of Patients Progression to Persistent Atrial Fibrillation

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June 14, 2019, 12:00 p.m.

**Denton A. Cooley Auditorium
Room C060**

Recent translational studies in a large animal model and in patients that have advanced knowledge on the mechanisms of progression from paroxysmal to persistent atrial fibrillation. The results give novel insight toward patient stratification and the potential for generating new generations of disease-modifying therapies aimed at preventing AF perpetuation and improving AF ablation outcomes.

At the conclusion of this conference, participants should be able to:

- Apply the concept that progression from paroxysmal to persistent AF reflects an electrophysiological and structural remodeling in both atria, which makes the arrhythmia become more stable and long-lasting.
- Predict how changes in atrial frequency during progression of AF show patient-specific patterns, which can be predicted based on remote monitoring data from implantable automatic defibrillators.
- Integrate improved knowledge on the mechanisms of AF progression with patient stratification and the potential for generating new generations of disease-modifying therapies aimed at preventing AF perpetuation and improving AF ablation outcomes.

Texas Heart Institute is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Texas Heart Institute designates this live activity for a maximum of *1.0 AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Dr. Jalife has nothing to disclose relevant to this program.

The Planning Committee has nothing to disclose.

The THI CME Staff have nothing to disclose.

The Program Reviewers have nothing to disclose.