

# AF Goats | CLATS

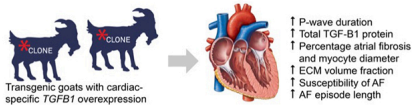
## Cardiac Arrhythmias - AF Goats



Recently, we developed a novel cardiac specific hTGF- $\beta$ 1 transgenic goat with an underlying atrial cardiomyopathy and increased susceptibility to AF when compared to wild-type (WT) control animals. More specifically, the MHC-TGF- $\beta$ 1cys33ser fragment containing the goat  $\beta$ MHC promoter was subcloned into the pcDNA3.1D vector. The NEON transfection system was used to electroporate primary goat fetal fibroblasts from a wild-type Nubian/Boer background. This model has also shown spontaneous, self-terminating AF episodes

### Model 1

#### Transgenic Goat Model of Cardiac Fibrosis



Our work was highly recognized at the AHA annual scientific sections (Nov. 2013). It was selected for a presentation at the Best of Basic Research Section.



## CONTACTS