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Gene regulatory networks in atrial fibrillation

Diego Franco, Estefanía Lozano-Velasco, Amelia Aranega

## Abstract

Atrial fibrillation (AF) is the most frequent arrhythmogenic syndrome in humans. With an estimate incidence of 1-2% in the general population, AF raises up to almost 10-12% in 80+ years. Thus, AF represents nowadays a highly prevalent medical problem generating a large economic burden. At the electrophysiological level, distinct mechanisms have been elucidated. Yet, despite its prevalence, the genetic and molecular culprits of this pandemic cardiac electrophysiological abnormality have remained largely obscure.

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