

Atrial Fibrillation patients

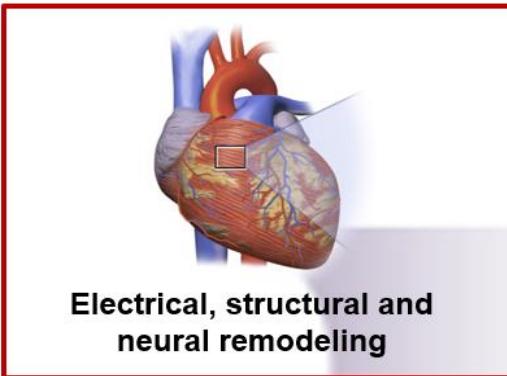
Cardiogenesis



Ion-channels modulation



Cell architecture

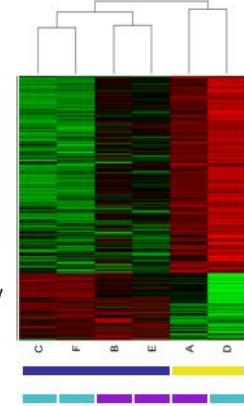


AF PANEL
55 GENES

Transcriptomic analysis on LA from AF patients



- Controls
- AF
- Biopsies from LA
- Biopsies from pulmonary veins/ LA junctions



Gene Ontology: Atrial morphogenesis

Cohort of 94 AF patients
AF PANEL 55 GENES ↓ NGS (IonTorrent™)
83 Patients without interesting variants

11 Patients
"Identification of 11 « Likely pathogenic » variants

NGS (Illumina®)
Arrhythmia PANEL

- 3 Patients
Variants in the genes:
-1: FHOD3 - ANK2
-2: DSG2 - KCNH2
-3: FHOD3 - KCNH2, SCN1B

8 Patients (without interesting variants in Arrhythmia Panel)

8 « Likely pathogenic » variants in AF PANEL

Cellular localization of proteins encoded by candidate genes

