

SysAFib

Title Systems medicine for diagnosis and stratification of atrial fibrillation.

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Project partners



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Abstract Atrial Fibrillation (AF), the most common arrhythmia in the heart, may feel like a beating drum, rolling thunder, or perhaps nothing at all to a diagnosed patient. However, AF sharply increases the risk of stroke and is associated with a number of other severe complications, including heart failure. The SysAFib project aims to combine advanced data analysis and computer simulations with classical clinical approaches to create a decision support tool for treating AF. Diverse data sources, such as the individual patient's medical history, clinical measurements and genetic data will be combined into a single tool for optimizing and personalizing AF therapy. SysAFib's ultimate goal is to deliver the right treatment to the right patient at the right time, stopping AF in its tracks and ending the need for repeat invasive procedures.



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