Modular workflow for in silico studies of atrial electrophysiology



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Background	(1) The EP simulation framework
SystemsMedicineforDiagnosisandStratifica-tionofAtrialFibrillation	Develop a simplified, modular, flexible and freely available pipeline for atrial EP simulations with
(SysAFib), is a multi-centre European project whose aim is to integrate medical data, computational modelling and image analysis to improve diag-	 a library of single atrium and bi-atrial volumetric tetrahedral meshes [3] an unfolding map-based tool to define regions and fibre fields developed to unfold each atrial surface mesh onto a unit disk by means of a conformal parametrisation.
nosis and stratification in atrial fibrillation.	• EP simulation tool developed using Fenics and cbcbeat [4]

