

# LINA BADIMON AND THE ICCC PROGRAM ON MOLECULAR PATHOLOGY AND THERAPEUTICS

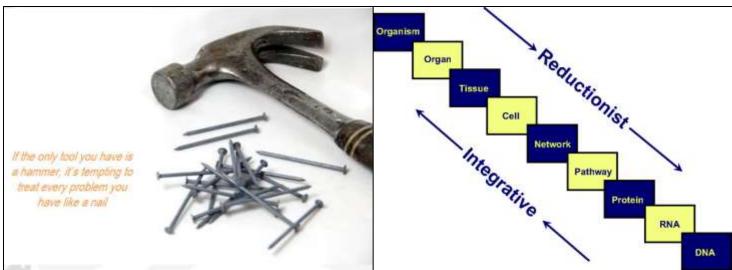
#### OBJECTIVE



#### Translational Research-**BASIC RESEARCH** mRNA Localization Outcomes obtained in "Laboratory" are applied to Clinical Site". APPLIED TRANSLATIONAL RESEARCH RESEARCH **Drug Discovery Disease Models** Therapeutics Issues found in-Clinical Site" are studied-Bedside. Benchin "Laboratory"+/ (Clinical Site) -(Laboratory) -

#### METHODOLOGY

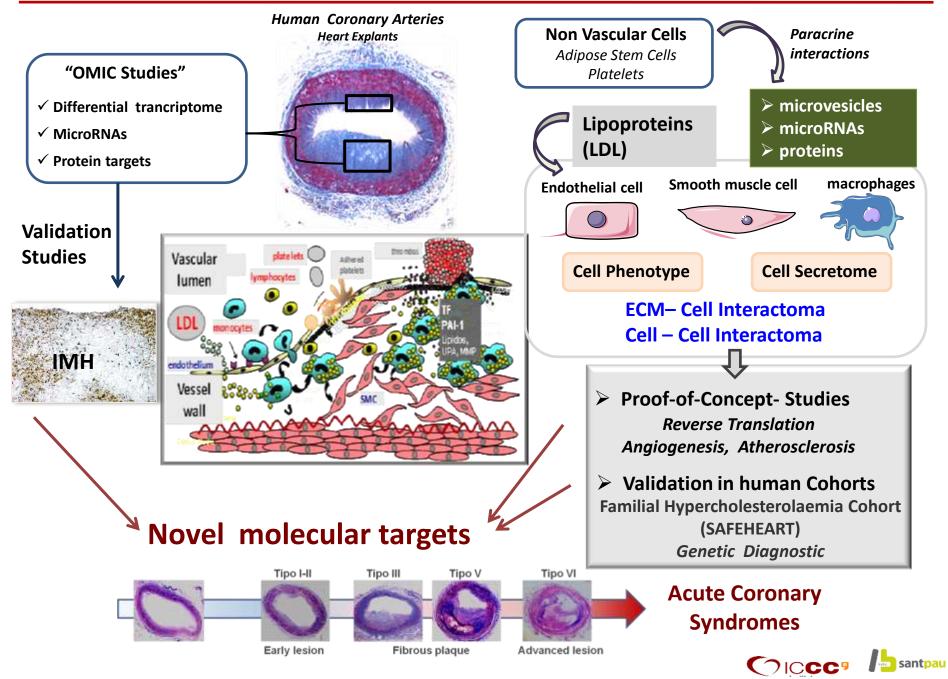
**APROACH** 



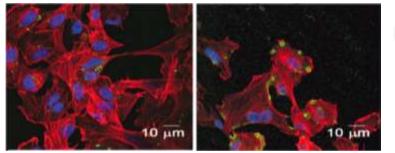
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#### Molecular Targets in Vascular Remodelling and Atherosclerosis Progression







CLASSICAL And NOVEL CVRF: LIPIDS & HDL, OBESITY, BP, DIABETES, DIET, INFLAMATION,....

## NON-INVASIVE STATE-OF-THE ART IMAGING TOOLS FOR MONITORING:

- Myocardial function and viability
- Myocardial damage
- Myocardial remodeling
- Atherosclerotic plaque burden
- Stem Cell tracking
- Myocardial vascularization



REGENERATIVE STRATEGIES (STEM CELL APPROACHES & ANGIOGENIC INDUCERS)

**ATHEROSCLEROSIS** 

PRECLINICAL

**STUDIES** 



CARDIOPROTECTIVE

**STRATEGIES** 

**THROMBOSIS** 

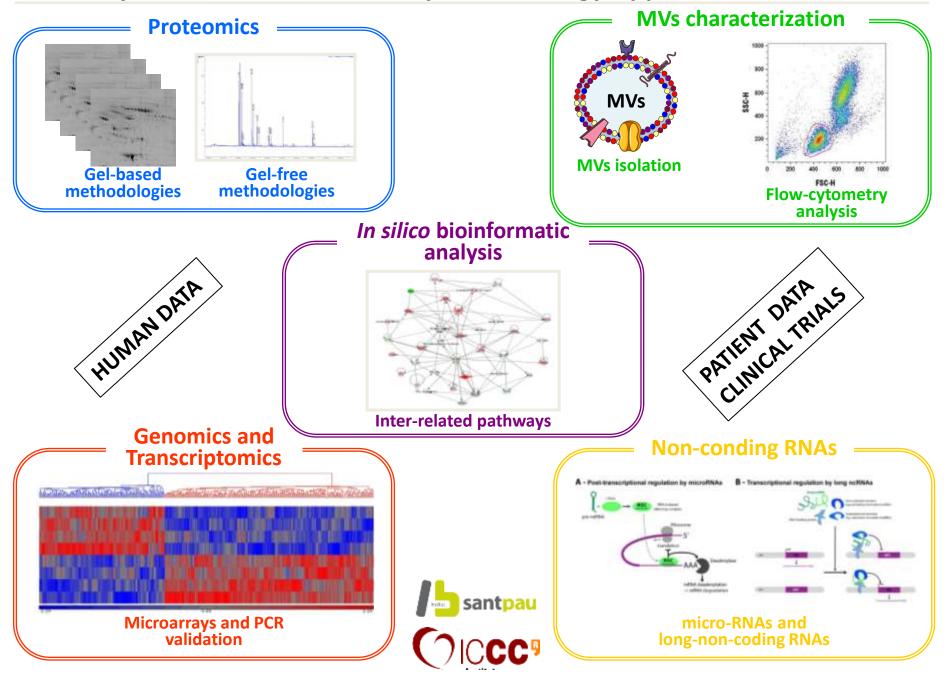
**EFFICACY OF** 

ANTIPLATELET

AGENTS

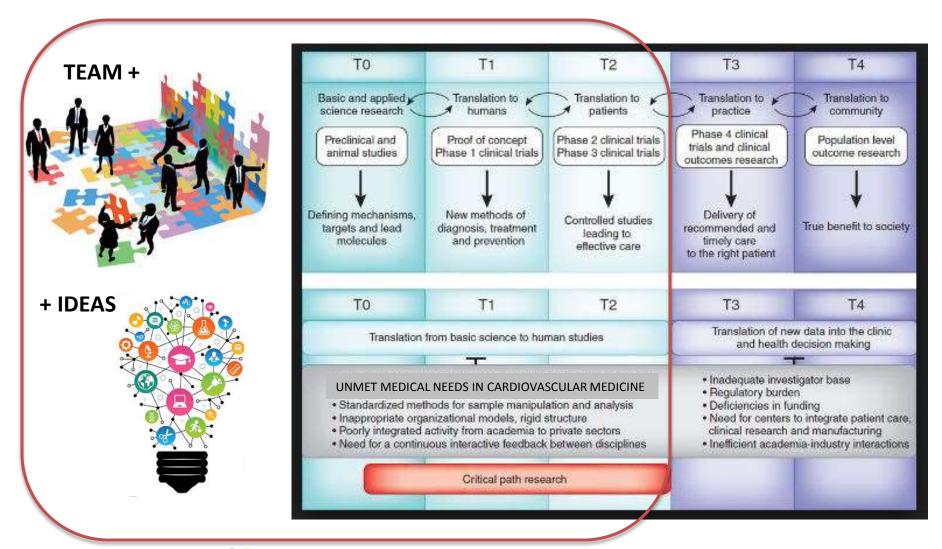
### **Discovery of novel biomarkers – Systems Biology Approaches**







# ADVANCING THE FUTURE IN MEDICAL RESEARCH



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