

Cardiovascular Epidemiology and Genetics

EGEC - IMIM

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New group in Heracles

**CIBER Epidemiology
and Public Health
2006-2012**

The logo for CIBERESP, featuring the word "ciberesp" in a stylized, lowercase, teal-colored font.

**RIC
HERACLES Program
2013-**

The logo for the Red de Investigación Cardiovascular (RIC), featuring the letters "RIC" in a bold, black, sans-serif font, with three red dots above the "i". Below the letters, the text "red de investigación cardiovascular" is written in a smaller, black, sans-serif font.The logo for the Red HERACLES de investigación cardiovascular, featuring a stylized black silhouette of a person running or jumping, with the text "Red HERACLES de investigación cardiovascular" above it.

Members

Cosme García García
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Lines of research I

- Genetic architecture of cardiovascular diseases and risk factors:
 - Genome wide association studies.
 - Gen-gen and Gen-Environment interactions.
 - Mendelian randomization studies to assess causality.
 - DNA methylation and its association with lifestyle and clinical outcomes
- Expertise:
 - High throughput data handling
 - High throughput data analyses
 - Genetic data imputation
 - Access to public data-bases (dgbap), and own collection of population based samples

Lines of research II

- Lifestyle related variables and cardiovascular health.
 - Physical activity
 - Diet
 - Air pollution
 - Socioeconomic variables
- Expertise:
 - Physical activity measurements: questionnaires, objective measures.
 - Dietary measurements: questionnaires

Lines of research (and III)

- Clinical epidemiology based on hospital and population based myocardial infarction registers
 - Trends in the incidence, mortality and case-fatality of MI.
 - Effectiveness of different intervention (pharmacological, invasive procedures) on MI prognosis.
- Expertise:
 - Design, management, quality control and data analysis of MI registers.
 - Clinicians from different hospital settings involved in the group: Josep Trueta, Hospital del Mar, Hospital de Blanes.

EGEC – IMIM and the new Heracles

Work Package 2

Lifestyle and biomarkers, analyses of their association and their predictive capacity of cardiovascular disease and hypertension.

Work Package 3

Biomarkers and other prognosis markers in ACS, Stroke, ...

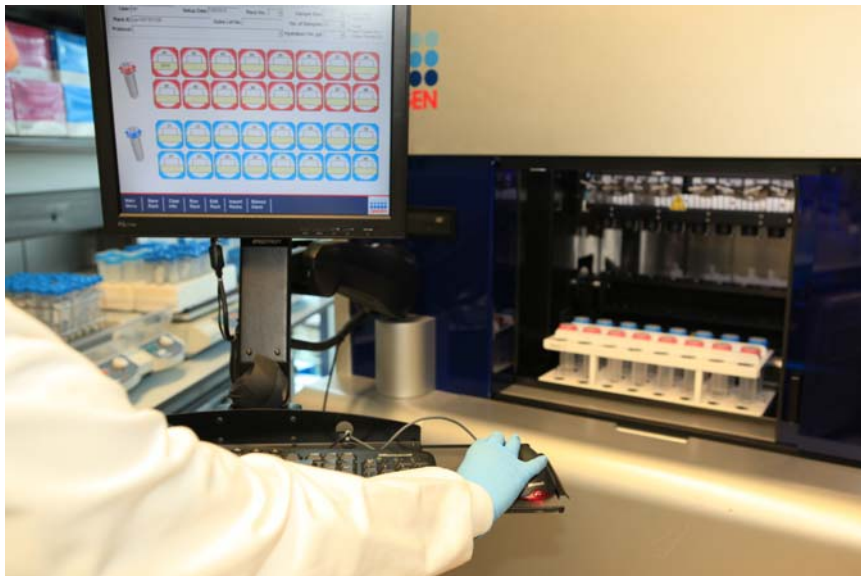
Work Package 4

Renal graft and endothelial dysfunction by Levels of endothelial cell microparticles

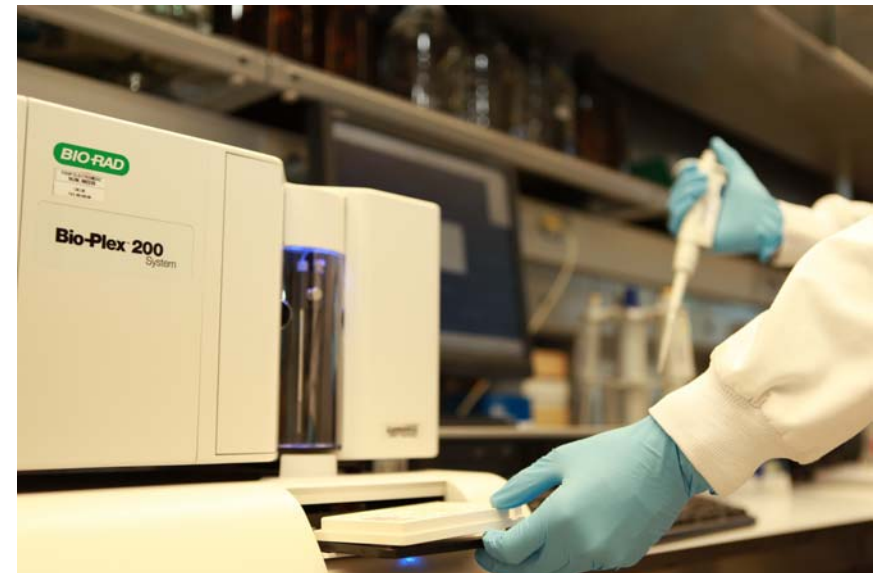
Work Package 5

EGEC – IMIM and the new Heracles: Platforms

**High throughput
DNA isolation**



**X Map / G Map
Luminex technology**



EGEC – IMIM and the new Heracles: Collaboration

