

# BM's research

- Radio to FIR Astronomical Instrumentation
  - Specialised in the development of optics and receiver focal planes
- Aims
  - Support JBCA technology activities
  - Collaboration to projects that will allow access to data for JBCA
- Past projects that are still providing data for the community
  - Planck – HFI : development of optics and focal plane, interface with HFI
  - Herschel-SPIRE: participation to instrument design and development
- Present projects

## ArTéMIS

200, 350 and 450  $\mu\text{m}$   
camera for APEX  
Star formation  
CEA-Saclay + JBCA

## CORE Cosmic ORigins Explorer

45 – 800 GHz  
CMB – Galactic  
ESA

## FAST

0.5 – 3 GHz  
Pulsars - Cosmology  
NAO + JBCA + CSIRO

- QUBIC (CMB - bolometric interferometry – Dome C), LSPE (CMB - balloon borne), QUIJOTE (Foregrounds, Tenerife), BINGO (21cm intensity mapping survey, ?)