

## Summary of CV

Rafael Rebolo López (Cartagena, Sep 12<sup>th</sup>, 1961).

Director of the Instituto de Astrofísica de Canarias (IAC) and Physics Professor at National Council for Research (CSIC).

External Professor at Max Planck Institute for Astronomy, Heidelberg.

Graduated in Physics. Univ. of Granada (1984)

PhD thesis Univ. of La Laguna (1987)

Since 1988 Researcher at CSIC and IAC.

Former Head of the Research Division of the IAC.

Scientific Director of IAC- Severo Ochoa Center of Excellence.

Principal Investigator of the QUIJOTE Experiment for CMB polarization studies.

Co-PI of ESPRESSO (Very Large Telescope) for detection of exo-Earths, Co-PI for AOLI for WHT. Co-Investigator of the Planck and Euclid space missions.

Former member of the Science working group of the Extremely Large European Telescope (39 m EELT). Member of the Council of the Gran Telescopio Canarias (GTC).

Member of several Boards in European and American Astronomy (OPTICON, ASTRONET, EARA, AURA, etc).

Main research results:

Discovery of brown dwarfs and free-floating planetary –mass objects. Pioneered studies on the anisotropy of the Cosmic Microwave Background, galactic evolution of light elements and on the origin and properties of black holes in binary systems.

>350 refereed papers, > 16000 citations

16 Ph D thesis supervised. 5 currently under supervision

Member of the Spanish Academy of Sciences and of the Max Planck Society. Doctor Honoris Causa Polytechnic University of Cartagena

Most important awards:

Iberdrola Science and Technology Prize 2000

Jaime I Research Prize 2001

Canarias Research Prize 2002