

LAURA PENTERICCI born 10 July 1970, Jesi (AN)

## EDUCATION

1989 International Baccalaureate, United World College of Atlantic , UK

1994 Master degree *cum laude* in physics University of Bologna, Italy

1998 Amelia Earth fellowship award, Zonta International foundation

1999 PhD in astrophysics, University of Leiden, The Netherlands

1999-2003 Post-doctoral Fellowship, Max Planck Institute für Astronomie, Heidelberg  
Germany

2004- present Research staff INAF- Observatory of Rome, Italy

## SCIENTIFIC INTERESTS

The formation and evolution of galaxies at the early epochs of the Universe.

The physical and morphological properties of the most distant galaxies including Lyman break galaxies and Ly $\alpha$  emitters

Finding and studying galaxy clusters at high redshift with different observational techniques.

The properties and environment of distant powerful radio galaxies and quasars.

Multiwavelength observational surveys

## MAIN COMMITMENTS

Member of LOFAR international key survey team.

Member of Chandra and HST review panels.

Referee for most important Astronomical and Astrophysical journals.

PI and Co-I of many accepted proposals on top astronomical facilities (including VLT, Hubble Space Telescope , Chandra, VLA )

## SELECTED PUBLICATIONS

Authors of more than 60 papers in refereed journals including:

Pentericci et al. A&A 2000: *A search for clusters at high redshift. II. A proto cluster around a radio galaxy at  $z=2.16$*

Pentericci et al. AJ 2002: *VLT Optical and Near-Infrared Observations of the  $z = 6.28$  Quasar SDSS J1030+0524A* Pentericci et al. 2003 : *A Chandra study of X-ray sources in the field of the  $z=2.16$  radio galaxy MRC 1138-262*

Pentericci et al. A&A 2007 *Physical properties of  $z\sim 4$  LBGs: differences between galaxies with and without Ly $\alpha$  emission*

Pentericci et al. A&A 2010: *Physical and morphological properties of  $z=3$  LBGs: dependence on Ly $\alpha$  line emission*