

# Dr. Filippo Mannucci

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Born in Firenze (I), Jan 12<sup>th</sup>, 1965

Current Affiliation: INAF - Arcetri Astrophysical Observatory, Largo E. Fermi 5, 50125 Firenze

## Curriculum

- 1989            Graduated in Physics 110/110 *cum laude* at the University of Florence, with a study on AGNs
- 1990            Fellowship at the Arcetri Astrophysical Observatory in Florence
- 1991-1993      PhD in Astronomy at the University of Florence
- 1992            Fellowship at the Max-Planck Institute fur Astronomie, Heidelberg, working with Prof. Steven Beckwith
- 1993            PhD degree, with a thesis of detection of high-redshift galaxies
- 1995 – 2006    Staff astronomer at the CAISMI institute of the Italian National Research Council (CNR) -
- 1995-2005      Supervisor on the Italian National Infrared Telescope TIRGO
- 2006-*now*      “Primo Ricercatore” at the Arcetri Astrophysical Observatory
- 2011            Visiting scientist at the Harvard-Smithsonian Center for Astrophysics, Cambridge, MA
- 2012-*now*      Director of the Arcetri Astrophysical Observatory

## Main recent scientific interests

1. SN rates in different galaxy populations, SN Ia progenitors
2. Metallicity evolution of galaxies

## Main instrumentation projects

- 1992      Scientific characterization of the ARNICA and MAGIC near-IR cameras
- 1995      Development of the cryogenic motor for the near-IR spectrometer LONGSP
- 2000      Scientific characterization of the NICS near-IR camera, and development of the pipeline of automatic data reduction SNAP
- 2010      Instrument scientist of the adaptive optics system for LBT, FLAO@LBT

## Committees

- 2004-2005    Italian committee for the telescopes within national borders
- 2003-2006    Italian representative in the board of the HFSJG
- 2009-2013    LBT Science and Technical Committee
- 2010-2012    Italian Time Allocation Committee for LBT, TNG and REM
- 2010-2012    Co-coordinator of the Supernova working group for the ESA satellite EUCLID
- 2012-*now*      Member of the board of the 64m Sardinia Radio Telescope

## Awards and Grants

- 2006      PRIN/INAF : The metallicity evolution through the cosmic ages, Local coordinator
- 2009      NASA grant for Spitzer data analysis, Principal Investigator
- 2009      NASA grant for HST cycle 17 observations, Principal Investigator

- 2010 ASI/INAF 2010: HST and Spitzer observations of high-redshift galaxies 12 National Coordinator
- 2010 PRIN/INAF 2010: Galaxies under a microscope, National Coordinator

### **Scientific production**

- Leading author or co-author of 97 refereed papers in international journals, including *Nature* and *Annual Review of Astronomy and Astrophysics*
- More than 5700 citations, with H-index=41
- About 20 invited presentations at congresses in the last 5 years