

## Gabriella De Lucia

**Current position:** Senior researcher at INAF Astronomical Observatory of Trieste (OATs).

**Role in the project:** Development of theoretical models of galaxy formation in a cosmological context to be used to interpret observational data.

**Education:** *Laurea in Fisica* at the University “Federico II” of Naples in 2000; *Doctor Rerum Naturalium* (Ph.D.), at the Ludwig-Maximilian Universität of München in 2004.

**Positions held:** *Research contract* at the Astronomical Observatory of Capodimonte (5 months in 2000); *Graduate student* at the Max-Planck Institute for Astrophysics in Garching bei München from 2001 to 2004; *Long term PostDoctoral Fellowship* at MPA from 2004 to 2009; *Primo Ricercatore* (fixed term position funded by ERC) at INAF-OATs from February 2009 to January 2014; *Researcher* (permanent) at INAF-OATs since 2013.

**Honors:** MERAC Prize for the Best Early Career Researcher in Theoretical Astrophysics (awarded by the European Astronomical Society) in 2013; Order of Merit (Officer) of the Italian Republic (awarded by the President of the Italian Republic) in 2011; ERC Starting Independent Researcher Grant (success rate of the call  $\sim 3\%$ ) in 2008.

**Professional Activities (last 5 years):** Frequent Peer Reviewer for *Monthly Notices of the Royal Astronomical Society* (main journal and letters), *The Astrophysical Journals* (main journal and letters), *Astronomy & Astrophysics*; Time Allocation Committee for the telescopes TNG/LBT/REM (2014-2016); ESO Observing Programmes Committee (Periods 91 and 92); Expert Reviewer for Physics Discovery Grants for the Natural Science Research Council of Canada (2016), ERC Starting 2015 call, ERC Advanced 2013 call, and the French Research Agency (2012).

**Conferences and Seminars:** 16 invited reviews at International Conferences; 14 invited talks at International Conferences; 25 invited seminars and colloquia.

**Publications:** 135 refereed papers in peer-reviewed journals with more than 9700 citations (excluding self-citations). 18 refereed publications as first author and 27 as second author. Selected publications:

- *Galaxy assembly, stellar feedback and metal enrichment: the view from the GAEA model*, M. Hirschmann, **G. De Lucia**, F. Fontanot, 2016, MNRAS, 461, 1760
- *Elemental abundances in Milky Way like galaxies from a hierarchical galaxy formation model*, **G. De Lucia**, L. Tornatore, C.S. Frenk, A. Helmi, J.F. Navarro, S.D.M. White, 2014, MNRAS, 444, 970
- *The environmental history of group and cluster galaxies in a  $\Lambda$ CDM Universe*, **G. De Lucia**, S. Weinmann, B. Poggianti, A. Aragon-Salamanca, D. Zaritsky, 2012, MNRAS, 423, 1277
- *The hierarchical formation of the brightest cluster galaxies*, **Gabriella De Lucia** and J  r  my Blaizot, 2007, MNRAS, 375, 2
- *The Buildup of the Red Sequence in Galaxy Clusters since  $z \sim 0.8$* , **G. De Lucia**, B. M. Poggianti, A. Aragon-Salamanca, D. Clowe, C. Halliday, P. Jablonka, B. Milvang-Jensen, R. Pell  , S. Poirier, G. Rudnick, R. Saglia, L. Simard, S. D. M. White, 2004, ApJ Letters, 610, 77