

Gabriella De Lucia – Curriculum Vitae et Studiorium

Current position: Senior researcher (‘Primo Ricercatore’ - equivalent to Associate Professor) at INAF Astronomical Observatory of Trieste (OATs).

Expertise: Theoretical models of galaxy formation and evolution; N-body simulations; Evolution of galaxies as a function of the environment; Galaxy clusters and Large scale structure.

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 Λ 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 Jérémy 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. Aragón-Salamanca, D. Clowe, C. Halliday, P. Jablonka, B. Milvang-Jensen, R. Pelló, S. Poirier, G. Rudnick, R. Saglia, L. Simard, S. D. M. White, 2004, ApJ Letters, 610, 77