MEMBERS TEAM CV

NAME, First Name: De Lucia Gabriella

Affiliation: INAF – Astronomical Observatory of Trieste (INAF-OATs)

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

Current position: Senior researcher (equivalent to Associate Professor)

Former Positions: Researcher at INAF-OATs; ERC Starting Grant Holder at INAF-OATs; long term post-doc at the Max-Planck Institute for Astrophysics in Garching bei Muenchen

Education: *Laurea* (master) in Physics at the University “Federico II” of Naples in 2000; Ph.D. at the Ludwig-Maximilian Universität of München in 2004.

Services in National and/or International Committees (last five years): Expert Reviewer for Physics Discovery Grants for the Natural Sciences Research Council of Canada (2016) and for the European Research Council (1 Advanced and 4 Starting proposals evaluated since 2013); Panel member for the Time Allocation Committee for the telescopes TNG/LBT/REM (2014-2016); External PhD examiner at the University of Durham (2015); Regular peer reviewer for A&A, ApJ, ApJ Letters, MNRAS, MNRAS Letters

Honors: Bessel Research Award (awarded by the von Humboldt Foundation) in 2017; MERAC Prize for the Best Early Career Researcher in Theoretical Astrophysics (awarded by the European Astronomical Society) in 2013; ERC Starting Independent Researcher Grant (success rate of the first call ~3%) in 2008

Selected Publications:

*(1) H2-based star formation laws in hierarchical models of galaxy formation*, L. Xie, G. De Lucia, M. Hirschmann, F. Fontanot, A. Zoldan, 2017, MNRAS, 469, 968

(2) *Strong Stellar-driven Outflows Shape the Evolution of Galaxies at Cosmic Daw*, F. Fontanot, M. Hirschmann, G. De Lucia, 2017, ApJ Letters, 842, 14

(3) *Galaxy assembly, stellar feedback and metal enrichment: the view from the GAEA model*, M. Hirschmann, G. De Lucia, F. Fontanot, 2016, MNRAS, 461, 1760

*(4) 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

*(5) The environmental history of group and cluster galaxies in a ΛCDM Universe*, G. De Lucia, S. Weinmann, B. Poggianti, A. Aragon-Salamanca, D. Zaritsky, 2012, MNRAS, 423, 1277