

CARMELA LARDO

SNSF Ambizione Fellow

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EMPLOYMENT HISTORY

Swiss National Science Foundation Ambizione Fellow

Laboratoire d'astrophysique (LASTRO; EPFL)

📅 Apr 2017 – Ongoing 📍 Sauverny Observatory; CH

Post-doc Research Associate

Astrophysics Research Institute (LJMU)

📅 Aug 2014 – Mar 2017 📍 Liverpool; UK

Post-doc Research Associate

Istituto Nazionale di Astrofisica (Bologna Observatory)

📅 Feb 2013 – Jul 2014 📍 Bologna; I

ORGANISATION OF CONFERENCES

Multiple populations in stellar clusters (Chair)

Sexten Center for Astrophysics

📅 2018/07/09 – 2018/07/09 📍 Sexten, I

Multiple populations in massive star clusters - A common thread through cosmological ages? (Organiser)

European Week of Astronomy and Space Science 2018

📅 2018/04/04 📍 Liverpool, UK

Bridging the near and the far: from the Milky Way to nearby galaxies (Organiser)

European Week of Astronomy and Space Science 2016

📅 2017/06/29 – 2017/06/30 📍 Prague, CZ

Multiple populations in globular clusters: where do we stand? (Chair)

Sexten Center for Astrophysics

📅 2016/07/25 – 2016/07/29 📍 Sexten, I

EDUCATION

Ph.D. in Astronomy

Bologna University (I)

📅 2010/01/01 – 2013/02/25

Multiple populations in globular clusters from photometry and low-resolution spectroscopy.

Advisors: B. Marano, E. Pancino, M. Bellazzini.

M.Sc. in Astrophysics and Cosmology
cum laude

Bologna University (I)

📅 2006/11/28 – 2009/03/13

B.Sc. in Astronomy *cum laude*

Bologna University (I)

📅 2003/09/26 – 2007/03/01

FELLOWSHIPS/AWARDS

Ambizione Fellowship

SNSF ~ €292 000

MERAC funding and travel award

SSAA €3 000

Marco Polo visiting scholar

Bologna University ~ €1 800

Collegio Superiore grant

Bologna University ~ €50 000

SUPERVISION OF JUNIOR RESEARCHERS

- **02/2020 - 06/2020** Research Internship co-advisor: W. Suter (EPFL, CH)
- **09/2019 - 02/2020** Master thesis co-advisor: A. Gol-Mohammadi (EPFL, CH)
- **03/2019 - 06/2019** Research Internship co-advisor: L. Constantin (EPFL, CH)
- **10/2016 - present** Ph.D.student co-advisor: S.Martocchia (Liverpool, UK; ESO Garching, D)
- **03/2018 - 08/2018** Research Internship co-advisor: L. Arthur (ENSTA, ParisTech, F)
- **02/2015 - 03/2017** Ph.D. student co-advisor: Dr. I. Cabrera-Ziri (currently Hubble Fellow, CfA, Harvard, US) e Dr. K. Hollyhead

TEACHING ACTIVITIES

- **09/2018 - 12/2018** Tutorials in Astrophysics II – Prof. Jablonka (EPFL, CH)
- **09/2017 - 12/2017** Tutorials in Astrophysics III – Prof. J.P. Kneib (EPFL, CH)
- **02/2010 - 07/2010** Tutorials in Optics – Prof. B. Marano (Bologna University, I)

REVIEWING ACTIVITIES

Hubble Space Telescope time allocation committee

Space Telescope Science Institute

📅 2019/06/09 – 2019/06/14 📍 Batimore, US

Panel member (Cycle 27; Stellar populations)

European Southern Observatory observing programmes committee

ESO Garching

📅 2015/11/17 – 2016/05/19 📍 Munich, D

Panel member (P97-98; Stellar evolution)

Referee for all major astronomical journals (i.e. ApJ, MNRAS, A&A)

INSTITUTIONAL RESPONSIBILITIES

- **Aug, 2018 – present:** Organizer LASTRO-UniGE Colloquium (Sauverny Observatory, CH)

COLLABORATIVE VISITS

- Astrophysics Research Institute (UK; Sep 2019)
- ESO Garching (D; Jul 2019)
- American University of Sharjah (UAE; Apr 2019)

MAJOR ACHIEVEMENTS

- **Review in Annual Review of Astronomy and Astrophysics**
Multiple Stellar Populations in Globular Clusters – Bastian & Lardo, Volume 56, 2018 (pp 83-136)
- **6 seminars, 19 contributed and 4 invited talks**
- **Organisation of four international workshops and conferences**
SCfA 2016,2018; EWASS 2017, 2018
- **Builder of the Gaia ESO Survey**
+300 nights w/ FLAMES/VLT; +400 researchers around the world
- **PI and co-PI of > 37 observing proposals**
HST - 50orbits, VLT - 365h, LBT - 80h, TNG - 45h, MAGELLAN - 18h
- **Three Ph.D. students as co-supervisor**
TA for three undergraduate/graduate courses
- **Telescope Allocation Committee member**
HST, ESO

KEYWORDS

Galactic Archaeology Star Clusters
Large Surveys
Milky Way Formation and Evolution
Stellar Evolution Local Group

SCIENTIFIC RESPONSIBILITIES

Gaia-ESO Survey *Builder*

PI: G. Gilmore (UK) and S. Randich (I)

📅 2013/08/27 – Ongoing

Gaia-ESO Survey is an ESO project (project 188.B-3002). The project has received funding from Leverhulme Trust (project RPG-2012-541), European Research Council (project ERC-2012-AdG 320360-Gaia-ESO-MW) and Istituto Nazionale di Astrofisica (INAF) (2012 (CRA: 1.05.01.09.16); 2013 (CRA: 1.05.06.02.07)).

Pristine Survey member

PI: E. Starkenburg (D) and N. Martin (F)

📅 2017/05/01 – Ongoing

The Pristine survey is searching for the most pristine stars in and around our Galaxy. The survey is able to search for these rare stars with unprecedented efficiency by employing a special colour filter on the Canada-France-Hawaii Telescope to search for stars with relatively few metals in their atmospheres.

ChETEC Working Group 3 Workshop 2019

COST - European Cooperation in Science and Technology

📅 2019/02/27 – 2019/03/01 📍 Vilnius, LT

Invited member

Pristine – Looking for the imprints of the first stars in the Universe

International Space Science Institute

📅 2019/01/07 – 2020/02/14 📍 Bern, CH

Invited team member

Globular Clusters in the Gaia era

International Space Science Institute

📅 2017/01/22 – 2018/06/01 📍 Bern, CH

Invited team member

The Formation and Evolution of the Galactic Halo - Setting the Scene for the Large Modern Surveys

International Space Science Institute

📅 2016/02/01 – 2017/05/24 📍 Bern, CH

Invited young scientist

REFEREES

Prof. Pascale Jablonka

@ LASTRO, EPFL

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EPFL SB IPHYS LASTRO
Observatoire de Sauverny
CH-1290 Versoix

Prof. Nate Bastian

@ Astrophysics Research Institute

✉ N.J.Bastian@ljmu.ac.uk

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146 Brownlow Hill
Liverpool, L3 5RF, UK