

Alejandra Recio-Blanco

Curriculum Vitae

Passport: Spanish

Born on 20th October 1975 – A Coruña, Spain

2 children

Current address: Laboratoire Lagrange UMR 7293
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Position

2007- Present, Assistant Astronomer, Observatoire de la Côte d'Azur, France
2007 Henri Poincaré Fellowship, Observatoire de la Côte d'Azur, France
2004-2006 European Space Agency external Fellowship, Observatoire de la Côte d'Azur, France
2003-2004 Post-doctoral research contract, Università degli Studi di Padova, Italy
2003 PhD, Instituto de Astrofísica de Canarias (Spain) and Università degli Studi di Padova (Italy)

Education

1999-2003 **PhD in Astrophysics, Instituto de Astrofísica de Canarias (Spain) and Università degli studi di Padova (Italy)**
Thesis: *On the nature of hot horizontal branch stars in Galactic Globular Clusters.*
Advisors: A. Aparicio (IAC) and G. Piotto (Univ. Padova)
1997-1998 **Master in Astrophysics**
La Laguna University (Tenerife, Spain)

HDR *Galactic Archaeology in the Gaia era - 16th January 2015*

Research Interests

- ⤴ Galactic archaeology - Globular clusters - Disc formation
- ⤴ Stellar evolution of low and intermediate mass stars - Chemical anomalies
- ⤴ Automated spectral analysis methods and chemical analysis
- ⤴ Galactic spectroscopic surveys

International Responsibilities

- ⤴ **Responsible of the Development Unit 823 "Generalized Stellar Parametrizer -Spectroscopy"** (2005-) within the Coordination Unit 8 "Astrophysical Parameters" of the **Gaia Data Processing and Analysis Consortium**: automated determination of the atmospheric parameters and the chemical abundances of stars observed by the RVS.
- ⤴ **Project builder of the Gaia-ESO Large Public Survey (2011-2016) and responsible of the "WP10 GIRAFFE FGK Spectral Analysis"**.
- ⤴ **Co-responsible of the AMBRE project** (2009-2014): OCA-ESO agreement for the automated parametrisation of all the high and intermediate resolution stellar spectra in the ESO archive (FEROS, UVES, HARPS, FLAMES).
- ⤴ **Responsible within the PLATO-2 Consortium of the Work Package-131130 "Analysis of Gaia Spectroscopic performance"**: constraints for the targets selection from the Gaia/RVS spectroscopy.
- ⤴ Member of the WEAVE spectrograph science team.
- ⤴ Member of the Maunakea Spectroscopic Explorer (MSE) science team.
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- ⤴ Member of the **Observing Programmes Committee - Stellar Panel of the European Southern Observatory (ESO)** (2006-2007)

National Responsibilities (French community)

- ✦ Nominated member of the National Committee of the **Conseil National des Astronomes et Physiciens (CNAP)** (2011-2015).
- ✦ Nominated member of the Scientific Committee of the **Programme National de Physique Stellaire** (2010-2014).
- ✦ Member of the **Observing Programmes Stellar Committee** for the 2m Telescopes (2010-2014)
- ✦ Expert for the French **Agence d'Evaluation de la Recherche et l'Enseignement Supérieur** (2013).

Responsible of the ANR project *ARCHEOGAL* (2015-2018)

Teaching Experience

- ✦ 2003-2004, Università degli Studi di Padova (Italy): 80h *Stellar Spectroscopy*
- ✦ 2007-Present, Université de Nice Sophia Antipolis (France): 70h/year on the following topics
 - Introduction to Astrophysics – *Licence* level
 - Statistics and scientific methodology – *Licence* level
 - Stellar spectroscopy and Galactic stellar populations. – *Master* level

Student advising

- PhD

- ✦ G. Guiglion, *Chemical abundances and the history of the Galactic Disc*, will defend in December 2015.
- ✦ A. Rojas, *Galactic Bulge formation with the Gaia-ESO survey*, will defend May 2016.
- ✦ A. Titarenko, *The Galactic disc history in high resolution*, will defend in October 2018

- **Master's** : C. Moni Bidin (2003, Padova), D. Fabbian (2003, Padova), C. Paladini (2006, Padova), G. Kordopatis (2006, 2007, Nice), J.C. Gazzano (2007, Nice), G. Guiglion (2011, Nice), J. Lannier (2012), C. Clastres (2013, Nice)

Scientific Organization (SOC) of International meetings

- ✦ IAUS 330 Astrometry and Astrophysics in the Gaia sky, Nice, 12/2016 (Chair of SOC)
- ✦ *Gaia-ESO Survey second science meeting*, Porto, 11/2014
- ✦ *Gaia-ESO Survey First Science*, Nice, 04/2013
- ✦ *Gaia : perspectives for stellar physics*, Journées de la Société Française d'Astronomie et Astrophysique, Montpellier, France, 2013
- ✦ *Stellar Physics*, Journées de la Société Française d'Astronomie et Astrophysique, Nice, France, 2012
- ✦ *Stellar and Interstellar physics for the modelling of the Galaxy*, Journées de la Société Française d'Astronomie et Astrophysique, Paris, June 2011.

Professional service

Reviewer : Astronomy and Astrophysics, Astrophysical Journal

Thesis referee: V. Sommariva (Univ. Padova, Italy, 2008), O. Zamora (Univ. Granada, Spain, 2009),

A. Rajpurohit (Univ. Besançon, France, 2013), S. Blanco Cuaresma (Obs. Bordeaux, France, 2014).

Spoken languages : Spanish, French, English, Italian, Portuguese, Galician