

Ferrero Ismael

Curriculum Vitæ (August 4, 2021)

CURRENT POSITION

Postdoctoral position 09/2019 - 08/2022
Institute of Theoretical Astrophysics, University of Oslo (ITA, UIO), Oslo, Norway

EDUCATION AND PAST POSITION

Postdoctoral position 09/2018 - 08/2019
Institute of Space Sciences (IEEC, CSIC), Barcelona, Spain

Postdoctoral position 04/2017 - 08/2018
Instituto de Astronomía Teórica y Experimental (IATE-CONICET), Córdoba, Argentina.

PhD in Astrophysics 08/2012 - 11/2016
Facultad de Matemática, Astronomía y Física, Universidad Nacional de Córdoba.

- Supervisor: Prof. Mario G. Abadi
- Co-Supervisor: Prof. Julio F. Navarro
- Thesis: [“The Tully-Fisher Relation and the Galaxy Formation Efficiency”](#)

M.S. in Astrophysics 03/2005 - 04/2011
Facultad de Matemática, Astronomía y Física, Universidad Nacional de Córdoba.

- Supervisor of final research: Prof. Mario G. Abadi
- Title of final research: [“Contraction of Dark Matter Halos”](#)

TEACHING EXPERIENCE

BS guest teacher 2020
University of Oslo, The Faculty of Mathematics and Natural Sciences

- AST2210 – Observational Astronomy

MS substitute teacher 2019
Universidad Autónoma de Barcelona

- Galaxies and Extragalactic Astronomy

Teaching Assistant 2013 - 2014
Universidad Nacional de Córdoba

- Teaching courses on basics mathematics, physics and algebra

FELLOWSHIPS AND AWARDS

Visits research Fellow - LACEGAL 09/2017 - 08/2018

One year fellow, research visit to Institute of Space Sciences, Spain.

Post Doctoral Fellow - CONICET 04/2017 - 04/2019

Two years Post doctoral fellow, National Council of Scientific and Technical Research.

Doctoral Fellow - CONICET 04/2012 - 04/2017

Five years doctoral fellow, National Council of Scientific and Technical Research.

Visits research Fellow - CosmoComp 09/2011 - 04/2012

Six month fellow, research visit to Max Planck Institute for Astrophysics, Germany.

SUPERVISION OF STUDENTS

1 Master Student 09/2020 - present

Norwegian University of Science and Technology, Trondheim, Norway

PEER-REVIEWED JOURNAL PUBLICATION [\[ADS\]](#) [\[Statistics\]](#)

Author of 76 refereed publications on international journals, including four as first author. H-index = 14, total number of citations = 731 (of which >170 in first author papers).

Author of 6 proceeding of international conferences.

REFEREED

- MONTHLY (Monthly Notices of the Royal Astronomical Society).
- A&A (Astronomy and Astrophysics).
- AAS Journals (The American Astronomical Society).

MEMBERSHIP

- **Official member** of the [Euclid](#) Consortium.
- **Builder member** of the Dark Energy Survey ([DES](#)) Project.
- **External collaborator** of the The Dark Energy Spectroscopic Instrument ([DESI](#)) Collaboration.
- **Junior member** of the International Astronomical Union ([IAU](#)).

BOOK CHAPTERS

1. [Ferrero, I.](#), “[Aportes para la Enseñanza de la Astronomía en el Secundario](#)”, book for teaching astronomy at school. (Chapter 4 : “ Planificación de una observación astronómica “).

INVITED TALKS / SEMINARS

7. **30th Friend of Friend Meeting**, Córdoba, Argentina, April 2021.
 - **Invited Talk:** “A Unified Scenario for the Origin of Spiral and EllipticGalaxyStructural Scaling Laws”
6. **Laboratório Interinstitucional de e-Astronomia**, Rio de Janeiro , Brazil, November 2020.
 - **Invited Webinar:** “A Unified Scenario for the Origin of Spiral and EllipticGalaxy Structural Scaling Laws”
5. **Institute of Theoretical Astrophysics**, Oslo, Norway, September 2019.
 - **Institutional Seminar:** “Galaxy mock catalogues for Cosmological Surveys”
4. **Mock Córdoba**, Córdoba, Argentina, April 2019.
 - **Invited Talk:** “ICE-COLA mocks for cosmological surveys”
3. **Institute of Space Sciences (ICE,CSIC)**, Barcelona, Spain, June 2018.
 - **Institutional Seminar:** “The Halo-Galaxy connection and How to model it”
2. **Institute of Space Sciences (ICE,CSIC)**, Barcelona, Spain, March 2018.
 - **Institutional Seminar:** “Past and Present Projects”
1. **7th Friend of Friend Meeting**, Córdoba, Argentina, April 2017.
 - **Invited Talk:** “Abundance matching, galaxy sizes, and the Tully-Fisher relation in EAGLE”

CONFERENCE ATTENDANCE / CONTRIBUTIONS

Almost 50 participation, more than 40 of them been international conferences/workshops/meetings and six schools. 15 oral presentations and 12 in poster format. The full detailed list can be seen [here](#).

INSTITUTIONAL RESPONSIBILITIES

3. **Member of a hiring committee:** postdoctoral Fellowship at Institute of Theoretical Astrophysics, University of Oslo, Norway (2020)
2. **Member of thesis committee:** M.S. of Ornella Marioni (2017)
1. **Member of a hiring committee:** selection of 5 outreach position at Observatorio Astronómico de Córdoba (2013)

ORGANISATION OF SCIENTIFIC MEETINGS

4. **Member of the LOC:** DES Y3KP Workshop, Barcelona, Spain (2019)
3. **Member of the LOC:** DESI Collaboration Meeting, Barcelona, Spain (2018)
2. **Member of the LOC:** Workshop José Luis Sérsic, Cordoba, Argentina (2013)
1. **Member of the LOC:** Friend of Friend Meeting , Cordoba, Argentina (2013)

OTHER MANAGEMENT TASKS

4. **Jurnal club Organizer:** ICE-PIC-IFAE weekly institutional papers discussion (2018-2019)
3. **Coordinator for Argentina:** Astronomy Project of divulgation in South America “Constellation - Galileo Mobile” (2015)
2. **Coordinator:** Astronomy project of divulgation “Telescopio Itinerante” (2013-2015)
1. **Jurnal club Organizer:** IATE weekly institutional papers discussion (2012-2013)

OUTREACH ACTIVITIES

13. Judge at “**First Lego League**”: member of the jury of challenge ”Into Orbit”, stage Barcelona (February 2019)
12. Coordinator of “**Constellation Argentina**”: visiting rural schools in South America, project of Galileo Mobile (2015)

11. Coordinator of “**Telescopio Itinerante**”: visiting academic institutions around the country (2013-2014)
9. Assistant of “**Semana Nacional de la Ciencia y la Tecnología**”: Science Fair in Corrientes, Argentina (September 2013 - June 2014)
6. Assistant of “**Noche de los Museos**”: Annual cultural event organized jointly with several museums (November 2012-2013-2014)
5. Assistant of “**Jornadas de Puertas Abiertas**”: fair career for incoming students (October 2013)
4. Assistant of “**400 años UNC**”: social event commemorating 400 years of Universidad Nacional de Córdoba (June 2013)
3. Assistant of “**Telescopio Itinerante**”: visiting academic institutions around the country (2011-2012)
2. Assistant of “**Noches Galileanas**”: social event commemorating 400 years since the first observation of Galileo (October 2009)
1. Assistant of “**100 horas de la Astronomía**”: social event as part of the International Year of Astronomy (April 2009)

PROGRAMMING

- Every-day usage: C, Fortran (77/90/95), SM, IDL, Phyton, SQL and Spark

LANGUAGES

- Spanish (native)
- English (fluent)
- Portuguese (medium)

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