

**Curriculum Vitae**  
**JAIME E. FORERO-ROMERO**  
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## Positions

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- Associate Professor, Physics Department, *Universidad de los Andes (Colombia)*, 8/2015-present
- Assistant Professor, Physics Department, *Universidad de los Andes (Colombia)*, 8/2012-7/2015
- Gruber Fellow, Astronomy Department, *University of California, Berkeley (USA)*, 10/2011-7/2012
- Postdoctoral Researcher, *Leibniz Institute for Astrophysics-Potsdam (AIP) (Germany)*, 10/2007-9/2011

## Education

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- *École Normale Supérieure de Lyon (France)* (2005-2007)  
PhD in Physics, December 2007
- *École Normale Supérieure (Ulm) (France)* (2003-2006)  
Élève Sélection Internationale  
M.Sc. in Physics (Magistère Interuniversitaire), August 2005
- *Instituto Balseiro (Argentina)* (2001-2003)  
Undergraduate Physics studies (3<sup>rd</sup> and 4<sup>th</sup> year)
- *Universidad Nacional de Colombia* (1999-2001)  
Undergraduate Physics studies (1<sup>st</sup> and 2<sup>nd</sup> year)

## Honors and Awards

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- 2011. International Astronomical Union / Peter and Patricia Gruber Foundation Fellowship
- 2006-2007. Graduate Research Fellowship (Allocation Couplée) of the French Ministry for Research and Education.
- 2003-2006. Scholarship at the École Normale Supérieure (Paris), covers tuition fees plus room and board to pursue graduate studies and PhD research.
- 2001-2003. Undergraduate scholarship (covers tuition fees at the Instituto Balseiro plus room and board) from the Argentinian Atomic Energy Commission.
- 1999. Gold Medal in the National Chemistry Olympiad, Bogotá, Colombia (First Place, National Competition)

## Research Interests

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- Computational cosmology
- Large scale structure of the Universe
- Galaxy formation

## Summary of Publication Record

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- 24 Refereed journal articles in astrophysics since the first article in 2007.
- Total citations: 388. H-index: 10. (Source: Astrophysics Data System)
- Total citations: 409. H-index: 11. (Source: Google Scholar)

## List of Significant Publications

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- *A dynamical classification of the cosmic web.* **Forero-Romero** J.E., Hoffman Y., Gottloeber S., Klypin A., Yepes G., MNRAS, 396, 1815-1824, 2009
- *A kinematic classification of the cosmic web,* Y. Hoffman, O. Metuki , G. Yepes, S. Gottloeber, **J. E. Forero-Romero**, N. I. Libeskind, A. Knebe, MNRAS, 425, 2049, 2012
- *The dark matter assembly of the Local Group in constrained cosmological simulations of a  $\Lambda$ CDM universe* **Forero-Romero** J.E., Hoffman Y., Yepes G., Gottlöber S., Piontek R., Klypin A., Steinmetz M., MNRAS, 417, 1434, 2011
- *CLARA's view on the escape fraction of Lyman- $\alpha$  photons in high redshift galaxies* **Forero-Romero** J.E., Yepes G., Gottlöber S., Knollmann S., Cuesta A., Prada F., MNRAS, 415, 3666, 2011
- *The MultiDark Database: Release of the Bolshoi and MultiDark Cosmological Simulations* , K. Riebe , A. M. Partl, H. Enke, **J.E. Forero-Romero**, S. Gottloeber, A. Klypin, G. Lemson, F. Prada, J. R. Primack, M. Steinmetz, V. Turchaninov, Astronomische Nachrichten, 334, 691, 2013.