

ÁLVARO RIBAS GÓMEZ

PERSONAL INFORMATION

Address: C/ La Bañeza 22 4º C
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Date of Birth: 29/09/1987
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EDUCATION

- PhD student at ESAC Nov 2012 - Present
Disk evolution in the solar neighborhood: homogeneous multiwavelength study of protoplanetary disks in several nearby star-forming regions.
- M.Sc. Astrophysics Sep 2011 - July 2012
- B.Sc. Physics (Major: Astrophysics) Sep 2005 - Feb 2011
Universidad Complutense de Madrid. Last 2 academic years.
Universidad de Salamanca. First 3 academic years.
- High School Diploma in Science and Technology 2005

PROFESSIONAL EXPERIENCE

- European Space Astronomy Centre (ESAC,ESA)** March 2011 - Oct 2012
 - HIPE Astronomer Acceptance Tester Oct 2011 - Oct 2012
Contribution to the HIPE (Herschel Interactive Processing Environment) testing as part of the reduction process, photometry and study of some Gould's Belt star-forming regions.
 - Trainee at ESAC (Spain) March 2011 - Oct 2011
Study of Very Low Luminosity Protostars with Herschel Maps: analysis of star-forming regions as probed by the PACS (Photodetector Array Camera and Spectrometer) and SPIRE (Spectral and Photometric Imaging Receiver) instruments of the *Herschel Space Observatory* to detect and analyze Young Stellar Objects and very low luminosity protostars.

REFEREED PUBLICATIONS (FIRST AUTHOR)

- Á. Ribas et al, submitted:
Protoplanetary disk lifetimes as a function of stellar mass and possible implications for giant planet populations
- Á. Ribas et al. 2014:
Disk evolution in the solar neighborhood. I. Disk frequencies from 1 to 100 Myr.
Published in A&A.
- Á. Ribas et al. 2013:
Identification of transitional disks in Chamaeleon with Herschel.
Published in A&A.
- Á. Ribas et al 2012:
Warm debris disks candidates in transiting planets systems.
Published in A&A.

REFEREED
PUBLICATIONS
(CO-AUTHOR)

- B. Merín et al. 2014:
Herschel/PACS photometry of transiting-planet host stars with candidate warm debris disks.
Published in A&A.
- C. Alves de Oliveira et al. 2014:
Herschel's view of the large-scale structure in the Chamaeleon dark clouds.
Published in A&A.
- L. Spezzi et al. 2013:
The Herschel Gould Belt Survey in Chamaeleon II. Properties of cold dust in disks around young stellar objects.
Published in A&A.
- L. Matrá et al. 2012:
A new Herschel view of the young star T54: not a transitional disk?
Published in A&A.
- E. Winston et al. 2012:
Herschel far-IR observations of the Chamaeleon molecular cloud complex. Chamaeleon I: A first view of young stellar objects in the cloud.
Published in A&A.
- A. Palau et al 2012.:
A search for pre-substellar cores and proto-brown dwarf candidates in Taurus: multiwavelength analysis in the B213-L1495 clouds.
Published in MNRAS.
- Á Kóspal et al. 2012:
The dusty environment of HD 97300 as seen by Herschel and Spitzer.
Published in A&A.

TALKS &
CONFERENCE
CONTRIBUTIONS

- Jet Propulsion Laboratory Luncheon Seminars (Pasadena, 2014)
Talk: *Circumstellar Disks Get Old Too: from Protoplanetary to Debris Disks*
- 2014 Sagan Exoplanet Summer Workshop (CalTech, 2014)
Poster: *Disk evolution in the solar neighborhood*
- Protoplanetary disks: theory and modeling meet observations (The Netherlands, 2014)
Poster: *Disk evolution in the solar neighborhood*
- ESA 6th Inter-Departmental Science Workshop (Aranjuez, 2013)
Talk: *Disk evolution in the solar neighborhood*
- Protostars and Planets VI (Heidelberg, 2013)
Poster: *Evolution from Protoplanetary to Debris Disks*
- ESA Summer Alumni Trainee Meeting (ESAC, 2012)
Talk: *Warm Debris Disks Candidates in Transiting Planets Systems*
- Europlanetary Science Congress (Madrid, 2012)
Poster: *New Warm Debris Disks in Transiting Planets Systems*
- ESA Summer Alumni Trainee Meeting (ESAC, 2011)
Talk: *Searching for low luminosity protostars with Herschel maps*
- HIPE forum (Garching, 2011)
Invited speaker: *Cross-instrument photometric map extended source reduction*

WORKSHOPS	<p>ESAC data analysis and statistics workshop 2014 (ESAC, Madrid) - Member of the Scientific and Organizing committees, and participant</p> <p>3rd Scientific Writing for Young Astronomers (Hungary, 2014)</p> <p>2014 Sagan Exoplanet Summer Workshop (CalTech, 2014)</p> <p>Protoplanetary disks: theory and modeling meet observations (The Netherlands, 2014)</p> <p>ESAC Software Carpentry Bootcamp (ESAC, 2014)</p> <p>Saint Andrews Monte Carlo Summer School (St. Andrews, 2013)</p> <p>GREAT Astrostatistics School 2013 (Alicante, 2013)</p> <p>Astronomical programming in Python (ESAC, 2012)</p> <p>Herschel Open Time Cycle-1 Data Processing Workshop (ESAC, 2011)</p>
OBSERVING EXPERIENCE AND PROPOSALS	<p>Principal Investigator of three accepted proposals to observe with the Canaricam instrument at Gran Telescopio Canarias.</p> <p>Co-Investigator of two accepted Herschel Open Time 2 Proposals.</p> <p>Several observing runs (optical photometry and spectroscopy) at the Isaac Newton Telescope and William Herschel Telescope (Canary Islands).</p>
COMPUTER SKILLS	<p>Operating systems: Linux, Mac OS, Windows.</p> <p>Programming languages: Python (advanced level), Bash, PostgreSQL.</p> <p>Scientific software:</p> <ul style="list-style-type: none"> – HIPE (Herschel Interactive Processing Enviroment) & Scanamorphos – IRAF & PyRAF – Sextractor – Aladin & Topcat – IDL <p>Other useful software: L^AT_EX, Photoshop, Adobe Ilustrator,</p>
LANGUAGE SKILLS	<p>Spanish: Mother tongue.</p> <p>English: Certificate in Advanced English.</p> <p>German: Basic level.</p>
RESEARCH INTERESTS	<p>Protoplanetary and debris disks, exoplanets planet-disk interactions, statistics, Bayesian analysis and data mining, data visualization.</p>
OTHER DATA	<p>Winner: Science Fiction short story contest ‘<i>III concurso de mini-relatos sobre Ciencia Ficción. Biblioteca de la facultad de CC. Físicas 2012</i>’</p> <p>Winner: Science Fiction short story contest ‘<i>I concurso de mini-relatos sobre Ciencia Ficción. Biblioteca de la facultad de CC. Físicas 2010</i>’</p> <p>2nd place: Science Fiction short story contest ‘<i>II concurso de mini-relatos sobre Ciencia Ficción. Biblioteca de la facultad de CC. Físicas 2011</i>’</p> <p>2nd place: Horror short story contest ‘<i>Concurso de relatos de terror Abismo</i>’</p> <p>Selected for publication: Horror short story contest ‘<i>IV Concurso de relatos de terror Aullidos.COM</i>’</p> <p>Selected: Photography contest ‘<i>Día del Libro 2008 Universidad de Palencia</i>’</p> <p>Interests: reading, writing, music, photography, rock climbing, scuba diving, horse riding, fencing, illusionism.</p>