

Elisabetta Rigliaco

Curriculum Vitae

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Research Interests

Keywords: Star and Planet Formation; Structure and Evolution of Protoplanetary Disks; Gas Dissipation: accretion, photoevaporation; Dynamics of young clusters. My research interests are in general focused on protoplanetary disks around young stars. In particular, I am interested in disk dissipation processes such as "accretion" and "photoevaporation", and on the effects that these mechanisms have on the planetary systems formation and their architecture. I am an expert in observational evidence of accretion and photoevaporation observed through high, medium and low resolution spectroscopy in the wavelength range from the ultraviolet to the mid-infrared. Moreover I am carrying out studies on the impact different disk morphologies have on disk dissipation and planet formation and evolution using last generation instruments, such as SPHERE. I have also studied the dynamics of young star-forming regions with the general aim to understand how these stellar clusters evolve and will eventually disperse and populate the field. The dynamical properties of these clusters are important for our understanding the properties of the molecular clouds from which they formed.

Education

- 2008-2011 **Ph.D., Astronomy**, *University of Florence*, Italy.
Thesis Title: "Accretion and ejection properties of young low-mass stars and brown dwarfs"
- 2005-2007 **M.S., Astronomy & Astrophysics**, *University of Bologna*, Italy.
- 2002-2005 **B.A., Astronomy**, *University of Bologna*, Italy.
- 2015 **Executive Master in Corporate Finance and Investment Banking**, *IFAF - Scuola di Finanza Milano*.

Honors:

- 2011 INAF/JETSET Fellow
- 2008–2010 INAF Doctoral Fellow
- 2002–2007 UNIBO Merit Fellow

Positions

- Nov 2016 – Present **Marie Skłodowska-Curie Fellow**, *OAPD/INAF*, Padua.

- Jan 2016 – **Data Scientist for a private start-up company**, Zürich.
 Oct 2016
- Sept 2014 – **Postdoctoral Research Associate**, *ETH*, Zürich.
 Jan 2016
- Sept 2011 – **Postdoctoral Research Associate**, *The University of Arizona*, Tucson.
 July 2014
- Mar 2011 – **INAF/JETSET Fellow**, *Osservatorio Astrofisico di Arcetri*, Florence.
 Aug 2011
- Jan 2008 – **Doctoral Fellow**, *Osservatorio Astrofisico di Arcetri*, Florence.
 Mar 2011

Refereed Publications

As of November 2016, first author of 8 refereed publications.

Co-author of 12 additional refereed publications.

See Publication List.

Contributed Talks, Invited Talks and Seminars

- 2015 Exchanging mass, momentum, and ideas: Connecting accretion and outflows in Young stellar objects, ESA/ESTEC, Noordwijk, Netherlands, October 29-30, Contributed
- 2015 2nd JEDI progress meeting, Napoli, Italy, April 10, Invited
- 2015 Colloquium, INAF Osservatorio Astrofisico di Roma, Roma, Italy, April 8, Invited
- 2014 Gaia-ESO Survey, Second Science Meeting, Porto, Portugal, November 10-13, Contributed
- 2014 Cool Stars 18 Conference Splinter Session, Flagstaff, Arizona, June 8-13, Invited
- 2014 AAS Meeting, Washington, DC, 5-9 Jan 2014, Contributed
- 2013 ESO Lunch Talk, Garching, July 12, Invited
- 2013 Colloquium, Osservatorio Astrofisico di Arcetri, Florence, Italy, July 4, Invited
- 2013 Star and Planet Formation Seminar Series, Tucson, Arizona, February 18, Invited
- 2012 Planet Formation and Evolution Conference, Munich, Germany, 3-7 September, Contributed
- 2012 Cool Stars 17 Conference Splinter Session, Barcelona, Spain, June 24-29, Contributed
- 2012 Star and Planet Formation Seminar Series, Tucson, Arizona, February 20, Invited
- 2011 Transport Processes and Accretion in YSOs, Ringberg, Germany, February 7-11, Contributed
- 2010 The first year of science with X-shooter, Como, Italy, October 19-22, Contributed
- 2009 Constellation WP3 Progress Meeting, Grenoble, France, January 6-7, Contributed

Posters

- 2014 Search for Life Beyond the Solar System, Tucson, AZ, March 16-21

- 2013 Exploring the formation and evolution of planetary systems IAUS, Victoria, Canada, June 2-7
- 2012 Cool Stars 17 Conference, Barcelona, Spain, June 24-29
- 2009 From circumstellar disks to planetary systems, Garching, Germany, November 8-9
- 2009 Recipes for making brownies:theory vs observations, Noordwijk, NL, Sept 8-11
- 2008 Spitzer's view of circumstellar disks Conference, Pasadena, CA, October 26-30

In Situ Observations

- MAGELLAN 3 nights with MIKE
- Keck 2 nights with HIRES
- MMT 2 nights with MAESTRO
- VLT 3 nights with X-Shooter

Teaching Experience and Community Service

- 2015-2016 Teaching Assistant - ETH Zürich
- 2015-2016 Coordinator of the weekly literature review meetings - ETH Zürich
- 2015 Reviewer, "A&A"
- 2014-Present IT Representative for the Star and Planet Formation Group - ETH Zürich
- 2012-2014 Coordinator, "*Origins Seminars Series*" Talks
- Oct 2013 Lecture on Accretion Properties - University of Arizona
- 2012 Reviewer, "Sains Malaysiana"
- 2010 Conference Co-organizer, "*The first year of science with X-Shooter*"
- 2006 Lab Assistant for the undergraduate Physics Experimentation Lab - University of Bologna

General skills

- Computing Knowledge of Windows, Mac and Linux OS. Microsoft Office Package (Excel, PowerPoint, Word), Keynote, Latex, Machine Learning
- Analytical Data processing programs (IDL, IRAF, MIDAS), Python, HTML, SuperMONGO, SQL
- Languages Italian: mother tongue, English: excellent, German: basic, Spanish: basic