

# xavierdumusque

Astrophysicists

01/30/85

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## CURRENT POSITION

Smithsonian Astrophysical Observatory Post Doc Fellow (*Mentor: David Latham*) ..... Since Apr. 2014  
Research Interests: Planet detection taking into account stellar intrinsic signals, data reduction recipes, instrumentation, asteroseismology.

## EDUCATION

- Early Postdoc.Mobility (*Swiss National Science Foundation*) ..... *Harvard Smithsonian Cfa* Apr. 2013 – 2014  
Planet detection taking into account stellar intrinsic signals  
*Mentor: David Latham*
- PhD Thesis in Astronomy & Astrophysics ..... *Observatory of Geneva* Dec. 2012  
Mitigating stellar signals in the quest for other Earths  
*Supervisor: Prof. Stéphane Udry, Co-Supervisor: Dr. Nuno Cardoso Santos.*

## PROFESSIONAL EXPERIENCES

- Mentor of a third year and a fourth year student in astrophysics (Univ. of Geneva) ..... 2010 - 2012
- Astrophysics teaching assistant for third year students in physics (Univ. of Geneva) ..... 2010 - 2011
- Physics assistant for first year students in biology and pharmacy (Univ. of Geneva) ..... 2005 - 2008
- Private teacher in physics and mathematics ..... 2003 - 2008

## SCIENTIFIC ACTIVITIES

I am co-PI of a \$104k solar telescope project at CfA. I have published 21 papers in peer-reviewed journals, seven as first author including a Nature paper. I have presented eight oral communications and eight posters and published ten proceedings in international conferences. I have given 22 seminars, obtained six times observational time on ESO (5x) and CfA telescopes (1x), and made six months of observations on international telescopes. Since Oct. 2008

## ACADEMIC SERVICES

- Board member of the Boston Society of Swiss National Science Foundation Fellows..... Since Sep. 2014
- Solar, Stellar and Planetary seminar organizer at the Harvard-Smithsonian CfA ..... Sep. 2013 -2014
- President of the physics student association, University of Geneva ..... 2007-2008
- Member of the Datcha, a student association organizing cultural events, Univ. of Geneva ... 2005-2008

## COMMUNITY OUTREACH

- Seminars of the Swiss National Fellows in Boston Exoplanets, MIT, Boston ..... June 2014
- Public conference How to find other Earths, Museum of Science, Boston ..... Sep. 2013
- Public conference Our closest neighbor, Sion, Switzerland ..... February 2013
- Guide for public sky observations at the University of Geneva ..... 2011-2013
- Realization of outreach posters for the STARMUS conference (www.starmus.com) ..... June 2011
- Public conference Searching for new Earths, French School, Lisbon, Portugal ..... May 2010
- Public conference Searching for new Earths, French Embassy, Lisbon, Portugal ..... October 2009

## AWARDS

- Schläfli Prize from the Swiss Academy of Science ..... June 2014
- Plantamour-Prévot prize from the University of Geneva ..... November 2012
- Prize fellowship from the Swiss National Science Foundation ..... May 2012

## MAJOR PRESS COVERAGE

- Interviewed by Wag TV for a documentary that will appear on main UK TV channels ..... August 2014
- ~900 press articles for the discovery of Kepler-10c, including the Washington Post, BBC ..... June 2014
- >1000 articles for the discovery of Alpha Centauri Bb, including the New York Times, BBC ..... October 2012
- Several interviews for articles in Science & Vie, a French equivalent of Discovery Mag ..... Since 2012

## REFERENCES

- Dr. D. Latham, Senior Astronomer, SAO, [dlatham@cfa.harvard.edu](mailto:dlatham@cfa.harvard.edu) (*Post Doc mentor*)
- Prof. D. Fischer, Yale University, [debra.fischer@yale.edu](mailto:debra.fischer@yale.edu) (*PhD jury*)
- Prof. F. Pepe, Observatory of Geneva, [francesco.pepe@unige.ch](mailto:francesco.pepe@unige.ch) (*PhD jury*)