

Stéphane DE BARROS

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Date of birth: November 26, 1982
Nationality: French
Marital status: Married
Child: two (2010, 2012)

Academic Appointments

June 2016 - **DÉPARTEMENT D'ASTRONOMIE, UNIVERSITÉ DE GENÈVE**, Switzerland.
Present *Postdoc.*
June 2014 - **INAF–OABO, BOLOGNA**, Italy.
June 2016 *Research fellow.*
January 2013 - **UNIVERSITY OF CALIFORNIA, RIVERSIDE**, USA.
June 2014 *Visiting assistant researcher*, funded by a Swiss National Science Foundation Fellowship (Early Postdoc.Mobility).

Grants & Awards

January 2018 **SWISS NATIONAL SCIENCE FOUNDATION GRANT: FLEXIBILITY GRANT.**
October 2012 **SWISS NATIONAL SCIENCE FOUNDATION GRANT: EARLY POSTDOC.MOBILITY.**

Research interests

SED fitting, multi-wavelength analysis of high-redshift galaxies, Cosmic reionization, nebular emission, Galaxy formation and evolution, star formation history, dust properties, stellar populations.

Recent successful observing proposals

- ◆ *The Low-Redshift Lyman Continuum Survey*, Co-I, *HST*: 130 orbits.
- ◆ *Elucidating the Nature of the Powering Source in CIII λ 1909 Emitters.*, Co-I, VLT/X-Shooter: 22hrs.
- ◆ *Beacons in the dark: using the most distant galaxies to probe cosmic reionization*, **PI**, *HST*: 18 orbits.
- ◆ *Unveiling the Lyman continuum morphology with HST*, Co-I, *HST*: 29 orbits.
- ◆ **VANDELS: A deep VIMOS survey of the CANDELS UDS and CDFS fields**, Co-I (photo-z, masks production, redshift measurements), VLT/VIMOS large program (4 years, > 2500 spectra), <http://vandels.inaf.it/project.html>.

Education

June 2012 **GENEVA OBSERVATORY, UNIVERSITY OF GENEVA**, Switzerland.
PhD thesis: *Multiwavelength modeling of high redshift galaxies*, supervised by Pr Daniel Schaerer.
2008 **UNIVERSITY CLAUDE BERNARD LYON 1**, France.
Master's degree in Physics and Astrophysics (Major in english). Astrophysics lectures at *Ecole Normale Supérieure de Lyon*.
Graduated with Honors.

Training period

2008 **LABORATOIRE D'ASTROPHYSIQUE DE MARSEILLE**, France.
Optimization strategy of a survey to detect baryon acoustic oscillations, supervised by Dr. Carlo Schmid.
2007 **CENTRE DE RECHERCHE D'ASTROPHYSIQUE DE LYON**, France.
Numerical study of the AGN impact on interstellar and intergalactic medium, supervised by Dr. Hervé Wozniak.

Seminars, Workshops, and Schools

September 2018	KOLYMBARI , Crete, Escape of Lyman radiation from galactic labyrinths, <u>Oral contribution</u> .
December 2017	BARILOCHE , Argentina, Distant Galaxies from the Far South, <u>Oral contribution</u> .
October 2015	OAR, ROMA , Italy, <u>Invited seminar</u> .
August 2015	HONOLULU, HAWAII , USA, International Astronomical Union (IAU) Symposium 319: Galaxies at High Redshift and Their Evolution Over Cosmic Time. <u>Oral contribution</u> .
July 2015	CARNEGIE OBSERVATORIES, PASADENA , USA, Understanding Nebular Emission in High-Redshift Galaxies.
June 2015	TOULOUSE , France, French Astronomical & Astrophysical Society Meeting (SF2A). <u>Oral contribution</u> .
March 2015	SINTRA , Portugal, Back at the Edge of the Universe. <u>Oral contribution</u> .
January 2015	BELFAST , UK, CLOUDY Winter School.
December 2014	GENEVA OBSERVATORY , Switzerland, <u>Invited seminar</u> .
October 2014	OABO, BOLOGNA , Italy, <u>Invited seminar</u> .
September 2014	IRAP, TOULOUSE , France, <u>Invited seminar</u> .
July 2014	GENEVA , Switzerland, European Week of Astronomy and Space Science (EWASS), <u>Poster contribution</u> .
June 2014	UCR, RIVERSIDE , USA, <u>Invited seminar</u> .
February 2014	IRVINE , USA, The Near-Field Deep-Field Connection, <u>Poster contribution</u> .
July 2013	AIX-EN-PROVENCE , France, 9 th Marseille Cosmology Conference: Physical Processes of Galaxy Formation: Consensus and Challenges. <u>Poster contribution</u> .
June 2013	MONTPELLIER , France, French Astronomical & Astrophysical Society Meeting (SF2A). <u>Oral contribution</u> .
February 2013	UCR, RIVERSIDE , USA, <u>Invited seminar</u> .
July 2011	INSTITUTE OF ASTRONOMY, UNIVERSITY OF CAMBRIDGE , UK, New Horizons for High Redshifts. <u>Poster contribution</u> .
June 2011	PARIS , France, French Astronomical and Astrophysical Society Meeting (SF2A). <u>Oral contribution</u> .
May 2011	LABORATOIRE D'ASTROPHYSIQUE DE MARSEILLE , France, Cosmo First Objects.
July 2009	INSTITUT D'ASTROPHYSIQUE DE PARIS , France, The Lyman Alpha Universe. <u>Poster contribution</u> .
May 2009	BLANKENBERGE , Belgium, Scientific Writing for Young Astronomers.
December 2008	INSTITUT D'ASTROPHYSIQUE SPATIALE, ORSAY , France, Techniques for analysis and interpretation of deep cosmological surveys with Herschel.

Teaching experience

2009-2010 & 2016-2019	UNIVERSITY OF GENEVA , Switzerland. Supervision of undergraduate research projects.
2006-2008	LYON , France. Private tuition (Physics and mathematics) for several companies (Academia, Allocours, Domicours), secondary education level.

Professional and personal skills

Manuscript Referee:	Astrophysical Journal Letter, Monthly Notices of the Royal Astronomical Society, Astronomy & Astrophysics.
Languages:	French (mother tongue), English, Spanish (school level) and Portuguese (school level).
Programming:	Python, Fortran, and C/C++.
Outreach:	Visits, monthly public observation and communication of scientific results to the public.