

Miroslava DESSAUGES

Born in 1976	Geneva Observatory	Tel: +41 22 379 2369
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EDUCATION

<i>Doctor in Sciences (Astrophysics)</i>	University of Geneva	2003
Supervisors: Prof. A. Maeder (University of Geneva)		
Prof. S. D'Odorico (European Southern Observatory)		
<i>International Certificate in Astrophysics</i>	University of Geneva	2002
<i>Master in Physics</i>	University of Lausanne	1999
<i>Scientific Baccalaureate</i>	Gymnase Cantonal de Burier	1994

AWARDS

<i>Prix Plantamour-Prévost</i> for the Master Thesis in Astrophysics	1999
<i>Prix de la Faculté des Sciences</i> (University of Lausanne) for the Master Exams in Physics	1998
<i>European Southern Observatory prize</i> for the "Future Astronomers of Europe" contest	1993

POSITIONS

<i>Scientific Collaborator</i> (Physicien Spécialisé)	University of Geneva	2007–
<i>Research Associate</i> (Maître Assistante)	University of Geneva	2006–2007
<i>Postdoctoral Research Fellow</i>	Swiss NSF, Geneva Observatory	2003–2005
<i>PhD student, Assistant</i>	University of Geneva	1999–2003
<i>PhD student</i>	European Southern Observatory (Munich)	2000–2002
<i>Student Assistant</i>	University of Lausanne	1996–1999

TEACHING EXPERIENCE

<i>Scientific support of a PhD student</i>	ETH Zürich	2006–2008
<i>Supervision of an undergraduate student</i>	University of Geneva	2005
<i>Teaching Assistant in Physics III Astro. labs</i>	University of Geneva	2003–
<i>Teaching Assistant in General Physics labs</i>	University of Lausanne	1996–1999

RESEARCH INTERESTS

Millimeter Astronomy: search for molecular gas in cold and low excited media: CO surveys in High-Velocity Clouds and in external regions of disks of nearby spiral galaxies; search for CO in lensed Lyman break galaxies.

High-redshift galaxies: high-resolution optical spectroscopy of high-redshift galaxies (Lyman Break galaxies, damped Ly α systems): chemical evolution, interstellar medium studies; nucleosynthesis in the young Universe; variation of fundamental constants.

Gamma-Ray Bursts (GRBs): search for observational signatures of GRB progenitors; study of the GRB host galaxies at high- and low-redshift; interstellar medium analysis of the GRB host galaxies; GRB intervening material.

PUBLICATIONS 2000–PRESENT (SEE LIST)

	Refereed papers	Proceedings papers
<i>First Author</i>	11	10
<i>Co-Author</i>	27	27

ADS Citation count = 999 (September 2009)

SUCCESSFUL PROPOSALS

<i>PI</i>	18	<i>optical</i> : VLT-UVES/VIMOS/FLAMES/X-SHOOTER <i>millimeter</i> : IRAM-30 m, Plateau de Bure Interferometer (PdBI)
<i>Co-I</i>	24	<i>optical</i> : HST, VLT-UVES/VIMOS/SINFONI/X-SHOOTER, NTT-EMMI/SOFI <i>millimeter/infrared</i> : Spitzer, Onsala-20m, APEX, IRAM-30 m, PdBI <i>radio</i> : 32m-Medicina Telescope, Effelsberg-100m, NRO-45m

PROFESSIONAL MEMBERSHIPS AND SERVICE

<i>ESO OPC</i>	Panel member of the ESO Observing Programmes Committee (OPC)	2009
<i>Local</i>	Concept study team of the Geneva Observatory for the ESO	2008–
<i>Coordinator</i>	E-ELT instrument CODEX (COsmological Dynamics EXperiment)	
<i>PI</i>	Saas-Fee Course 2008 entitled “Science in the Millimeter and Sub-millimeter Astronomy”	2008
<i>Co-I</i>	Science and software concept study team for the ESO VLT 3rd generation instrument, ESPRESSO (Echelle Spectrograph for PREcision Super Stable Observations)	2006–2008
<i>Formation</i>	IRAM Millimeter Interferometry School	2006
<i>Referee</i>	Astronomy & Astrophysics	2006–
<i>Referee</i>	Monthly Notices of the RAS	2006–
<i>Formation</i>	IRAM Summer School “mm Observing Techniques and Applications”	2005
<i>Referee</i>	Astrophysical Journal	2005–
<i>Co-I</i>	Science concept study team for the ESO ELT instrument CODEX (COsmological Dynamics EXperiment)	2004–2008
<i>Member</i>	International Astronomical Union	2003–
<i>Secretary</i>	ESO Observation Program Committee (ESO telescope allocation)	2000–2002
<i>Member</i>	Swiss Society for Astrophysics & Astronomy	2000–

LANGUAGES

<i>French</i>	mother tongue language
<i>Slovak</i>	mother tongue language (stay from 1976–1984 in Slovakia)
<i>English</i>	very good knowledge (reading, writing, speaking)
<i>German</i>	Baccalaureate level (reading, writing, speaking) plus 2 years spent in Germany

OTHER ACTIVITIES

Alpinism: member of the Swiss Alpin Club since 1994; mountain guide for the Swiss Alpin Club since 2005; participation to two editions of the “Patrouille des Glaciers” in 2004 and 2006

Skiiing: ski teacher at the ski resort of Villars-sur-Ollon in 1996–1998

Sailing: participation to two Écoles des Glénan

Amator astronomy: member of the Astronomical Society of Haut-Léman since 1998

Music: playing violin