



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type A post-doc fellowship

Alejandro Santamaría Miranda

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	Santamaría Miranda
Name	Alejandro
Date of birth	03,03,1991

PRESENT OCCUPATION

Appointment	Structure
ALMA Fellowship	European Southern Observatory

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	Physics	Universidad Complutense de Madrid	2014
Specialization	Fundamental		
PhD	Astrophysics	Universidad Valparaíso de	2019
Master	Astrophysics	Universidad Complutense de Madrid	2015
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of Association	City
2021	International Astronomical Union	

FOREIGN LANGUAGES

Languages	level of knowledge
English	C2
French Italian	Basic
German	A2
Italian	Basic

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2019	European Southern Observatory Fellowship
2017	European Southern Observatory Studentship
2014	Trainee Project. European Space Agency
2011,2013	Summer student at Centro de Estudios de Fisica del Cosmos de Aragon (CEFCA)

TRAINING OR RESEARCH ACTIVITY

description of activity

PROJECT ACTIVITY

Year	Project
2021- Present	eDISK: Early Planet formation in Embedded Disk (ALMA Large Programme), I am PI of one of the papers
2018-2019	NPF: Nucleo Milenio de Formacion Planetaria (PI. Amelia Bayo)
2017-2020	SOLA: Soul of Lupus with ALMA (Joint ALMA Observatory collaboration with the objective of establishing a low-mass star and substellar formation scenario in Lupus using ALMA)

PATENTS

Patent



CONGRESSES AND SEMINARS

Date	Title	Place
Nov 2022	Accretion/Ejection Processes in Star Formation: In Theory and in Practice	Santiago, Chile
Sept 2022	Spanish Astronomical Society	Tenerife, Spain
July 2022	21st Cambridge Workshop: Cool Stars, Stellar Systems and the Sun	Toulouse, France
June 2022	European Astronomical Society Annual Meeting (EAS) ”,	Valencia, Spain
August 2021	50th Young European Radio Astronomers Conference (YERAC)	Virtual
March 2021	“The 20.5th Cambridge Workshop on Cool Stars, Stellar Systems, and the Sun (CS20.5)	Virtual
Dec 2020	Five years after HL Tau, a new era in planet formation	Virtual
July 2020	European Astronomical Society Annual Meeting	Virtual
March 2020	Planets 2020 Ground and space observatories: a joint venture to planetary science	Santiago, Chile
Oct 2019	ALMA2019: Science Results and Cross-Facility Synergies	Cagliari, Italy
Oct 2019	Universidad Complutense de Madrid	Madrid, Spain
Oct 2019	Centro de Astrobiología	Madrid, Spain
Sept 2018	The wonders of star formation	Edinburgh, United Kingdom
May 2018	Formation of substellar objects: Theory and observations	Madrid, Spain
March 2018	Diversis mundi: The Solar System in an Exoplanetary context	Santiago, Chile
March 2017	Star Formation from Cores to Clusters	Santiago, Chile

PUBLICATIONS

Books

Articles in journals
ALMA observations of the early stages of substellar formation in the Lupus 1 and 3 molecular clouds, Santamaría-Miranda, Alejandro et al., 2021, A&A, 646A, 10S.
Bipolar molecular outflow of the very low-mass star Par-Lup3-4, Santamaría-Miranda, Alejandro et al., accepted 2020, A&A, 640A, 13S
Accretion signatures in the X-shooter spectrum of the substellar companion to SR12. Santamaría-Miranda, Alejandro et al., 2018, MNRAS, 475,2994S



Early Planet Formation in Embedded Disks (eDisk). A first look at GSS30 IRS3 . Santamaría-Miranda Alejandro et al, to be submitted in February 2023
Confirmation of a sample of pre- and proto-brown dwarfs in Lupus 1 and 3. Santamaría-Miranda Alejandro et al, to be submitted in early 2023
The protoplanetary disk population in the rho-Ophiuchi region L1688 and the time evolution of Class II YSOs. Testi, L.; et al. (including Santamaría-Miranda) 2022, A&A, 663, A98
Outflows, envelopes, and disks as evolutionary indicators in Lupus young stellar objects Vazzano, M. M.; et al. (including Santamaría-Miranda) 2021, A&A, 648A, 41V
Measuring the ratio of the gas and dust emission radii of protoplanetary disks in the Lupus star-forming region. Sanchis, E. et al. (including Santamaría-Miranda) 2021, A&A, 649A, 19S
White dwarfs with planetary remnants in the era of Gaia - I. Six emission line systems. Fusillo et al. 2021, Monthly Notices of the Royal Astronomical Society, Volume 504, Issue 2, pp.2707-2726
Demographics of disks around young very low-mass stars and brown dwarfs in Lupus. Sanchis et al. 2020 (Included Santamaría-Miranda, A.). A&A, Volume 633, id.A114, 23 pp

Congress proceedings

OTHER INFORMATION

<p>Contact for reference letters</p> <p>–Itziar de Gregorio Monsalvo (European Southern Observatory, Chile) idegrego@eso.org</p> <p>–Linda Schmidtbreick (European Southern Observatory, Chile) lschmidt@eso.org</p> <p>–Nuria Huélamo (CAB-INTA, Spain) nhuelamo@cab.inta-csic.es</p>
More information in the extra CV attached

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Place and date: Santiago de Chile, 15/01/2023

SIGNATURE

ASMIRANDA



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