

# Felipe Eduardo Gran Merino

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## PERSONAL DETAILS

Birthday: July 20, 1989, Chile  
Webpage: fegran.github.io  
ORCID: 0000-0002-9252-6899  
Web of Science: LLM-7798-2024  
Family status: single, 1 child born September 2012

## CURRENT POSITION

**MWDisc and Pristine Postdoc** July 2022 - present  
Observatoire de la Côte d’Azur, Lagrange Laboratory, Nice, France  
French National Research Agency (ANR):  
ANR-20-CE31-0004 – ANR-18-CE31-0017

## EDUCATION

**Ph.D. in Astrophysics:** March 2016 - March 2022  
Pontificia Universidad Católica de Chile  
ESO Garching Internship programme: January 2019 - March 2019  
ESO Chile Studentship programme: September 2019 - August 2021  
“Distinción Máxima” (summa cum laude)  
“Premio de excelencia en tesis doctoral” (March 2023)  
– Selected as the best 2022 thesis in the university within the  
Mathematics, Physics, Chemistry and Astrophysics departments

**B.Sc. and M.Sc. in Astrophysics:** March 2008 - August 2015  
Pontificia Universidad Católica de Chile  
Both grades: “Distinción Máxima” (summa cum laude)

## RESEARCH INTERESTS

**The Milky Way:** formation and accreted content, globular clusters, dynamics.  
**Stars:** metal-poor end of the metallicity function, early chemical enrichment.  
**Spectroscopy:** spectral synthesis of metal-poor stars, neutron-capture elements.  
**Survey experience:** Gaia, WEAVE-GA, 4MOST-S13, GALAH, APOGEE  
**Instruments:** UVES@VLT, ESPaDOnS@CFHT, MOSAIC-MOS@EELT  
**Collaborations:** Pristine, WEAVE-GA, 4MOST S13, MOSAIC, ISSI AsteroSHOP

## PRACTICAL EXPERIENCE

**Thesis co-guide:** January 2023 - present  
Five Université Côte d’Azur bachelor students co-guided with Georges Kordopatis

**4MOST S13 Stellar clusters catalogue responsible:** March 2023 - present  
S13 leader: Sara Lucatello (INAF, Italy)

**Community service:** Graduate student representative (2017-2019)  
MNRAS, A&A and Gemini Canadian TAC referee (2020 - present)  
Weekly group meeting co-organiser (2023-present)  
LOC co-lead for the Pristine Science Meeting, 5-7 May, Nice (2025)

## CONTACT POINTS

Georges Kordopatis (georges.kordopatis@oca.eu)	2022-2025
Vanessa Hill (vanessa.hill@oca.eu)	2022-2025
Manuela Zoccali (mzoccali@astro.puc.cl)	2017-2025
Ivo Saviane (isaviane@eso.org)	2019-2022

<b>ACADEMIC GRANTS AND AWARDS</b>	<b>“Premio Andino destacado 2023: categoría profesional”:</b>	August 2023
	Selected by Los Andes City Council as outstanding in the professional category	
	<b>“Premio de excelencia en tesis doctoral”</b>	March 2023
	Selected by PUC University as the best 2022 thesis within the university within the Mathematics, Physics, Chemistry and Astrophysics departments	
	<b>“CONICYT: Beca de asistencia a eventos”:</b>	October 2018 - December 2018
	Selected for a grant to attend two conferences in 2018	
	March 2014 - July 2015 and March 2017 - December 2019	
	<b>“CONICYT: Concurso Becas de Magíster y Doctorado en Chile”:</b>	
	Selected for a grant to continue M.Sc. and Ph.D. studies	
<b>SKILLS</b>	<b>Languages:</b>	Spanish (native language)
		English (IELTS certification B2/6.5 overall, 2018)
		French (Intermediate fluency - B1 level)
	<b>Programming language:</b>	Python (advanced level, total experience: 10 years)
	<b>Frequently used tools:</b>	TOPCAT, LaTeX, Jupyter Lab, slurm, ADQL, bash
	<b>Assistantships:</b>	Astronomy, Stellar and Experimental Astrophysics, Data Analysis
	<b>Outreach activities:</b>	MAS sticker album: scientific development (MAS, 2022), Science Fairs, Solar Eclipse and Live Interview (MAS and GMTO, 2019-2020)
<b>CONFERENCES AND SELECTED WORKSHOPS</b>	– PRISTINE Science Team Meetings 2023-2024-2025: Oral presentations.	
	– The Milky Way Assembly Tale: Poster presentation	
	– Metal Production and Distribution in a Hierarchical Universe – II:	
	Oral and poster presentations.	
	– IX Escuela Ecuatoriana de Astronomía y Astrofísica 2023: Invited speaker	
	– Star Clusters: the Gaia Revolution: Online presentation.	
	– Virtual EAS 2021 Annual Meeting: Online poster.	
	– Gaia EDR3 Early Science and Best Practices: Online workshop.	
	– Thirty Minute Talks at ESO Chile: Oral and Online presentations.	
	– SOCHIAS XVI Annual Meeting 2020: Online presentation.	
	– Nice WG4 Workshop: A Dynamical View of the Sky: Oral presentation.	
	– Galactic Bulge at the Crossroads: Oral presentation.	
	– XXX Canary Islands Winter School of Astrophysics:	
	Big Data Analysis in Astronomy	
	– Second La Serena School for Data Science	
	– Harvard-Chile Special Workshop on Data Science	
	– VISTA Variables in the Vía Láctea Science Meetings 2015-2016-2017-2018	
<b>APPROVED OBSERVING PROGRAMS</b>	<b>ESPaDOnS at Canada France Hawaii Telescope</b>	
	PI: F. Gran, 24B and 25A - 30h in service mode	
	PI: K. Venn, 24B and 25A - 30h in service mode	
	<b>UVES at Paranal Observatory</b>	
	PI: V. Hill, P111 and P112 - 70h in service mode	
	PI: I. González Rivera, P113 - 13h in service mode	
	<b>FEROS at La Silla Observatory</b>	
	PI: F. Gran, P105 - 3 nights, observing experience: 10 days.	
	<b>MUSE at Paranal Observatory</b>	
	PI: F. Gran, P103 and P105, 14 hours in service mode	

## PUBLICATIONS – First author:

*The treasure behind the haystack:*

*MUSE analysis of five recently discovered globular clusters*

**Gran, F.** et al. 2024, A&A, 683, 167 (arXiv:2310.09868)

*Hidden in the Haystack:*

*Low-luminosity globular clusters towards the Milky Way bulge*

**Gran, F.** et al. 2022, MNRAS, 509, 4962 (arXiv:2108.11922)

*APOGEE view of the globular cluster NGC 6544*

**Gran, F.** et al. 2021, MNRAS, 504, 3494 (arXiv:2104.05865)

*Globular cluster candidates in the Galactic bulge:*

*Gaia and VVV view of the latest discoveries*

**Gran, F.** et al. 2019, A&A, 628, 45, 30 (arXiv:1904.10872)

*Mapping the outer bulge with RRab stars from the VVV Survey*

**Gran, F.** et al. 2016, A&A, 591, 145 (arXiv:1604.01336)

*Bulge RR Lyrae stars in the VVV tile b201*

**Gran, F.** et al. 2015, A&A, 575, 114 (arXiv:1501.00947)

**Complete list of publications: link to [ADS](#)<sup>1</sup>, h-index: 18.**

**Publications as a first author: 6, as a co-author: 46.**

## – Latest co-author publications:

*The Pristine survey – XXVI. Chemical abundances of subgiant stars of the extremely metal-poor stream C-19*

Bonifacio, P. (**incl. Gran, F.**) 2025 (arXiv:2412.20776)

*The Pristine survey – XXV. The very metal-poor Galaxy: Chemodynamics through the follow-up of the Pristine-Gaia synthetic catalogue*

Viswanathan, A. (**incl. Gran, F.**) 2025 (arXiv:2405.13124)

*Unveiling VVV/WISE Mira variables on the far side of the Galactic disk: Distances, kinematics, and a new extinction law*

Albarracín, R. (**incl. Gran, F.**) 2025 (arXiv:2411.04623)

*The Pristine survey: XXIV. The Galactic underdogs: Dynamic tales of a Milky Way metal-poor population*

González Rivera de La Vernhe, I. (**incl. Gran, F.**) 2024 (arXiv:2406.05728)

*Pristine Inner Galaxy Survey (PIGS) IX. The largest detailed chemical analysis of very metal-poor stars in the Sagittarius dwarf galaxy*

Sestito, F. (**incl. Gran, F.**) 2024 (arXiv:2405.00096)

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<sup>1</sup>ADS library: <https://ui.adsabs.harvard.edu/public-libraries/sxdI6LnxS7mbdg2sy8mNQ>