



Felipe Gran

Curriculum Vitae

PERSONAL DETAILS

<i>Full Name</i>	Felipe Eduardo Gran Merino
<i>Birthday</i>	July 20, 1989
<i>Citizenship</i>	Chilean
<i>RUT</i>	17.089.167-8
<i>Address</i>	4519 Los Villares, Los Andes
<i>Phone</i>	(+56 2) 2354 7052 (office 117)
<i>Mail</i>	fgran@astro.puc.cl; fegran@uc.cl
<i>Webpage</i>	http://fegran.github.io
<i>Family status</i>	1 child - born September 4 st 2012

EDUCATION

MSc. in Astrophysics <i>Pontificia Universidad Católica de Chile</i>	2013 Aug. - current
Licenciatura en Astronomía <i>Pontificia Universidad Católica de Chile</i> “Distinción máxima”	2008 Mar. - 2013 Aug.

EXPERIENCES

Practical

Undergraduate Thesis <i>Long-Period Variable Stars in the VVV Survey</i> Advisor: Dante Minniti (PUC) and Roberto Saito (UFS, Brazil)	2013 Mar. - 2013 Aug.
Summer Practice <i>Commissioning and characterization of the spectrograph at UC Observatory</i> Advisor: Felipe Barrientos	2012 Jan.

Assistantships

Data analysis II <i>Course assistant</i> Professor: Manuela Zoccali	2014 Mar. - 2014 Dec.
Astronomy <i>Scientific assistant at UC Observatory</i> Professor: Felipe Barrientos	2014 Mar.- 2014 Dec.
Experimental Astrophysics <i>Course assistant</i>	2013 Mar. - 2014 Dec.

Professor: Leopoldo Infante

Astronomy

Scientific assistant at UC Observatory

Professor: Felipe Barrientos

2012 Mar.- 2013 Jul.

Astronomy

Course assistant

Professor: Rolando Dunner

2013 Mar. - 2013 Jul.

Astronomy

Course corrector

Professor: Rolando Dunner

2013 Mar. - 2013 Jul.

Physics for Sciences

Course corrector

Professor: Heman Bhuyan

2013 Mar. - 2013 Jul.

Stellar Astrophysics

Course assistant

Professor: Julio Chanamé

2012 Aug.- 2012 Dec.

Physics for Sciences

Course corrector

Professor: Juvenal Letelier

2012 Aug. - 2012 Dec.

Differential Equations

Laboratory Assistant

Professor: Mónica Musso

2010 Ago. - 2010 Dec.

Academic grants and other experiences

“CONICYT: Concurso Becas de Magister en Chile”

Selected for a grant to continue MSc. studies

Ranked 18th of 1732 Chilean students with a score of 4,851/5,000.

2014 Mar. - current

**Stellar Evolution and Variability Studies
in the Era of Large Surveys - Technical Staff**

Proyecto FONDECYT Regular 1141141

Advisor: Márcio Catelan

2014 Mar. - current

VVV Templates Project - Technical Staff

Proyecto FONDECYT Regular 1110326

Advisor: Márcio Catelan

2012 Dec. - 2014 Feb.

SKILLS

<i>Languages</i>	Spanish (native language) English
<i>OS</i>	UNIX
<i>Programming Language</i>	Python
<i>Graphical software</i>	DataThief, SuperMongo, Matplotlib
<i>Astronomical software</i>	Aladin, IRAF, TOPCAT, STILTS
<i>Text composition</i>	LaTeX

CONFERENCES AND WORKSHOPS

XII Annual SOCHIAS Meeting <i>Poster: Outer bulge RR Lyrae stars in the VVV Survey</i> Co-I: Dante Minniti and Roberto Saito Puerto Varas, Chile	2015 Mar.
6th VISTA Variables in the Vía Láctea Science Meeting <i>Oral presentation: Outer bulge RR Lyrae stars in the VVV Survey</i> Co-I: Dante Minniti and Roberto Saito Puerto Varas, Chile	2015 Mar.
Astroinformatics 2014 <i>Poster: Outer Bulge RR Lyrae stars in the VVV Survey</i> Co-I: D. Minniti, R. K. Saito I. Dékány, C. Navarrete, I. McDonald, R. Contreras Ramos and M. Catelan Viña del Mar, Chile	2014 Aug.
1st Workshop of the Millennium Institute of Astrophysics <i>Poster: Outer Bulge RR Lyrae stars in the VVV Survey</i> Co-I: D. Minniti, R. K. Saito I. Dékány, C. Navarrete, I. McDonald, R. Contreras Ramos and M. Catelan Los Andes, Chile	2014 Aug.
Second La Serena School for Data Science <i>Participant</i> La Serena, Chile	2014 Aug.
5th VISTA Variables in the Vía Láctea Science Meeting <i>Participant</i> Concón, Chile	2014 Apr.
Harvard-Chile Special Workshop on Data Science <i>Participant</i> Santiago and La Serena, Chile	2014 Jan.
4th VISTA Variables in the Vía Láctea Science Meeting <i>Poster: A search for high-amplitude variables in the VVV data</i>	2013 Mar.

Co-I: Dante Minniti and Roberto Saito
Viña del Mar, Chile

4th VISTA Variables in the Vía Láctea Science Meeting 2013 Mar.

Poster: Digitizing IR light curves for VVV Templates Project

Co-I: Márcio Catelan, Rodolfo Angeloni and the VVV Templates team
Viña del Mar, Chile

APPROVED OBSERVING PROGRAMS

OSIRIS at SOAR Observatory 2013 Mar.

Follow-up observations of Galactic novae candidates discovered by the VVV Survey

P.I.: Roberto Saito

Co-I: Rodolfo Angeloni, Marcio Catelan, **Felipe Gran**, Dante Minniti, Tiago Ribeiro

VIMOS at Paranal Observatory 2014 Dec.

Kinematics and Chemical Abundances of RR Lyrae variables in the Galactic bulge

P.I.: Manuela Zoccali

Co-I: incl. **Felipe Gran**

CURRENT WORK AND TOPICS OF INTEREST

Variable Stars:

RR Lyrae and Long-Period variables stars.

The Milky Way bulge:

Galactic bulge structure, stellar populations
and proper motions through the VVV Survey.

Computer Science:

Astrostatistics and astroinformatics:
Automatic light-curve classification.

PUBLICATIONS

Refereed Publications

Clustered Cepheid Variables 90 kiloparsec from the Galactic Center

*Chakrabarti, S., Saito, R. K., Quillen A., **Gran, F.**, Klein, C., Blitz, L.*

2015, ApJ, 802L, 4C

An Updated Census of RR Lyrae Stars in the Globular Cluster ω Centauri (NGC 5139)

*Navarrete, C. et al. (incl. **Gran, F.**)*

2015, A&A 577, A99

Bulge RR Lyrae stars in the VVV tile b201

***Gran, F.**, Minniti, D.; Saito, R. K.; Navarrete, C.; Dékány, I.; McDonald, I.; Contreras Ramos, R.; Catelan, M.*

2015, A&A, 575, 114

Variable stars in the VVV globular clusters.

I. 2MASS-GC02 and Terzan10

*Alonso-García, J.; Dékány, I.; Catelan, M.; Contreras Ramos, R.; **Gran, F.**; Amigo, P.; Leyton, P.; Minniti, D.*

AJ, 2015, 149, 99

The VVV Templates Project Towards an automated classification of VVV light-curves.

I. Building a database of stellar variability in the near-infrared

*Angeloni, R., et al. (incl. **Gran, F.**)*

2014, A&A, 567, 100

A misidentified RR Lyrae variable star in omega Centauri

*Navarrete, C.; Catelan, M.; Contreras Ramos, R.; Alonso-García, J.; Dekany, I.; **Gran, F.**; Hempel, M.; Angeloni, R.*

2013, IBVS, 6078, 1

Non-refereed Publications

Stellar variability in the VVV survey: overview and first results

*Catelan, M., et al. (incl. **Gran, F.**)*

2014, IAUS, 301, 395

Stellar Variability in the VVV survey

*Catelan, M., et al. (incl. **Gran, F.**)*

40 Years of Variable Stars: A Celebration of Contributions by Horace A. Smith (ed. K. Kinemuchi, H. A. Smith, N. De Lee, & C. Kuehn), 2013, arXiv:1310.1996