

C U R R I C U L U M V I T A E

Name : Álvaro A. Villalobos Cofré
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Education *Bachelor degree in Exact Sciences* *December 1998*
 Pontificia Universidad Católica de Chile (PUC)
 Santiago, Chile

Licenciatura degree in Astronomy (equivalent to M.Sc.) *January 2003*
 Thesis:
*Properties of Stellar Populations in Nuclei of Low Surface
 Brightness Galaxies*
 Supervisor: Prof. Dr. Gaspar Galaz
 PUC, Santiago, Chile

Ph.D. in Astronomy *May 2009*
 Thesis:
Simulations of the Formation of Thick Disks in Galaxies
 Supervisor: Prof. Dr. Amina Helmi
 Kapteyn Astronomical Institute,
 Groningen, The Netherlands

Current Position Post-doctoral researcher at the Astronomical Observatory *September 2010*
 of Trieste-INAf, Trieste, Italy *- present*

Awards *Presidente de la República Scholarship* *March 1997 -*
 Granted by the Chilean Ministry of Education to excellent *January 2003*
 students at national level based on academic performance.

Padre Hurtado Award *March 1997 -*
 Granted by PUC to excellent students at national level *January 2003*
 based on academic performance.

Teaching Experience Teaching assistant, being in charge of exercises and/or *March 1998 -*
 experimental sessions for several physics courses at *December 2002*
 undergraduate level: Classical Physics; Contemporaneous
 Physics; Electricity and Magnetism; The Universe and its
 Space-time; Experimental Astronomy.
 Department of Physics, PUC.

Languages Spanish (native)
 [fluent/good/fair] English: speaking [fluent] writing [fluent] reading [fluent]

Publications

- Bulge Evolution in Face-on Spiral and Low Surface Brightness Galaxies.*
Galaz G., **Villalobos Á.**, Infante, L., & Donzelli, C., 2006, AJ, 131, 2035
- Simulations of Minor Mergers. I. General Properties of Thick Disks.*
Villalobos, Á., & Helmi, A., 2008, MNRAS, 391, 1806
- Simulations of Minor Mergers. II. The Phase-space Structure of Thick Disks.*
Villalobos, Á., & Helmi, A., 2009, MNRAS, 399, 166
- Orbital Eccentricity as a Probe of Thick Disk Formation Scenarios.*
Sales, L.V., Helmi, A., Abadi, M. G., Brook, C. B., Gómez, F. A., Roškar, R., Debattista, V. P., House, E., Steinmetz, M., **Villalobos, Á.**, 2009, MNRAS, 400, L61
- Thick-disk Evolution Induced by the Growth of an Embedded Thin Disk.*
Villalobos, Á., Kazantzidis, S., & Helmi, A., 2010, ApJ, 718, 314
- Assembly of the Outer Galactic Stellar Halo in the Hierarchical Model.*
Murante, G., Curir, A., Poggio, E., **Villalobos, Á.**, 2010, ApJL, 716, 115

Schools & Conferences

- Structure and Evolution of the Milky Way and Its Surroundings*
Bavaria, Germany (poster contribution). *December 2004*
- Mass and Mystery in the Local Group*
Cambridge, United Kingdom. *July 2005*
- Dissecting the Milky Way*
Leiden, The Netherlands (poster contribution). *November 2006*
- School on The Origin of the Galaxy and Local Group*
Murren, Switzerland. *March 2007*
- Galactic & Stellar Dynamics in the Era of High Resolution Surveys*
Strasbourg, France (oral contribution). *March 2008*
- IAU 254: The Galaxy Disk in Cosmological Context*
Copenhagen, Denmark (poster contribution). *June 2008*
- Dynamics and evolution of disc galaxies*
Pushchino/Moscow, Russia (oral contribution) *May 2010*