

# UNIVERSITY OF VICTORIA - CURRICULUM VITAE

**Last updated: January 2009**

**NAME:** NAVARRO, Julio F.

**Faculty or School:** Science

**Department:** Physics and Astronomy

## 1. EDUCATION and TRAINING

<u>Degree</u>	<u>Institution</u>	<u>Year obtained</u>
B.Sc.	Universidad Nacional de Córdoba, Argentina	1986
Ph.D.	Universidad Nacional de Córdoba, Argentina	1989

## 2. POSITIONS HELD PRIOR TO APPOINTMENTS AT UNIVERSITY OF VICTORIA

2007-2008: Professor of Astronomy. University of Massachusetts, Amherst, MA, USA.

1994-1998: Bart J. Bok Fellow. Steward Observatory, University of Arizona, Tucson, AZ, USA.

1991-1994: Senior Research Assistant, Physics Department, University of Durham, Durham, United Kingdom.

1991: Research Assistant, Institute of Astronomy, University of Cambridge, Cambridge, United Kingdom

1989-1990: Smithsonian Astrophysics Observatory Predoctoral Fellow, Harvard-Smithsonian Center for Astrophysics, Cambridge, MA, USA.

1989-1990: Associate Researcher at Harvard College Observatory, Center for Astrophysics, Harvard University, Cambridge, MA, USA.

1986-1988: Graduate Student Fellowship, Consejo de Investigaciones Científicas y Técnicas de la República Argentina (CONICET).

## 3. APPOINTMENTS at the UNIVERSITY of VICTORIA

<b>Period</b>	<b>Rank</b>	<b>Academic unit</b>
1 Jul 02 – present	Professor	Physics and Astronomy
1 Jul 01 – 30 Jun 02	Associate Professor	Physics and Astronomy

1 Apr 98 – 30 Jun 01

Assistant Professor Physics and Astronomy

#### 4. MAJOR FIELD(S) OF SCHOLARLY OR PROFESSIONAL INTEREST

Astronomy: Physics: Cosmology: Galaxies: Dark Matter: Numerical Simulations

#### 5. RESEARCH GRANTS AND FELLOWSHIPS

##### a. Research operating grants

<u>Agency</u>	<u>Title</u>	<u>Grant holders (indicate PI)</u>	<u>Time period</u>	<u>Amount awarded per annum in CAD\$</u>
NASA	ATP Grant	Matthias Steinmetz	1997/2000	\$125,000
UVIC	Innovative Teaching Award	Julio Navarro	1999	\$5,000
NSERC	Research Grant	Julio Navarro	1998	\$38,500
UVIC	Research and Travel Grant	Julio Navarro	1999	\$1,021
NSERC	Research Grant	Julio Navarro	1999	\$42,350
AUCC	Going Global-STEP Program	Julio Navarro	1999	\$1,850
UVIC	Research and Travel Grant	Julio Navarro	2000	\$1,062
NSERC	Research Grant	Julio Navarro	2000	\$41,500
NSERC	CRO	Arif Babul	2000/2003	\$120,000
PIMS	Postdoctoral Fellow	Julio Navarro	2000/2001	\$ 18,000
CITA	National Fellow	Julio Navarro	2000/2001	\$ 25,000
NASA	ATP Grant	Matthias Steinmetz	2001/2003	\$140,000
NSERC	Research Grant	Julio Navarro	2001/2003	\$42,500
NSERC	CRO	Ray Carlberg	2001/2004	\$2,350,000
NSERC	Research Grant	Julio Navarro	2004/2009	\$59,000
CITA	National Fellow	Julio Navarro	2002/2004	\$25,000
UVIC	Research and Travel Grant	Julio Navarro	2004/2009	\$750
NSERC	Special Res. Opportunities	Julio Navarro	2005/2007	\$95,000

##### b. Equipment Grants

UVIC	Startup	Julio Navarro	1998	\$129,000
CFI	New Opportunities	Julio Navarro	1998/99	\$155,000
BCKDF	Equipment	N. Dimopoulos	2000	\$1,107,361
CFI	Equipment	N. Dimopoulos	2000	\$1,107,604
CFI	Equipment	Inna Sharf	2000	\$711,080

**c. Honours, fellowships, and scholarships**

Fellow of the Canadian Institute for Advanced Research	2002 to date
UK Leverhulme Foundation Visiting Professorship	2004/2006
John Simon Guggenheim Memorial Foundation Fellowship	2003/2005
Fellow of the Institute for Advanced Studies of the Hebrew University of Jerusalem	2003
University of Victoria Faculty of Science Research Award	2003
Friedrich Wilhelm Bessel Research Prize (Humboldt Foundation)	2003/2005
Alfred P. Sloan Foundation Fellowship	1999/2001
Scholar of the Canadian Institute for Advanced Research	1998/2002

**d. Miscellaneous**

- Included in Thomson’s ISI list of “Highly Cited Scientists” 2004
- Biography included in Who’s Who in the World 2004
- Biography included in “2000 Intellectuals of the 21<sup>st</sup> Century”. International Biographical Center, Cambridge, UK 2004
- Nominated as 2004 International Scientist of the Year, International Biographical Center, Cambridge, UK

**6. PUBLICATIONS and PRESENTATIONS**

**a. Articles published in refereed journals**

**Citation analysis (January 2009): 76 refereed papers, 12906 total refereed citations, 2 papers with 1000+ citations, 7 papers with 500+ citations, 15 papers with 250+ citations, 26 papers with 100+ citations, 39 papers with 50+ citations. H-index=42 (i.e., 42 papers with 42+ citations).**

1. Navarro, J.F., Mosconi, M.B. and Lambas, D.G ., 1987. Merging Instability in Groups of Galaxies with Dark Matter. *M.N.R.A.S.*, **228**, 501.
2. Navarro, J.F. and Mosconi, M.B., 1989. Spherical Galaxy Collisions: Head-On Encounters. *Ap. J.* **336**, 669.
3. Navarro, J.F., 1989. Merging Encounters between Equal-Mass Non-Rotating Galaxies. *M.N.R.A.S.* **239**, 257.
4. Navarro, J.F., 1990. On the Density Structure of Galaxy Merger Remnants. *M.N.R.A.S.* **242**, 311.
5. Navarro, J.F. and Benz, W., 1991. Dynamics of Cooling Gas in Galactic Dark Halos, *Ap. J.* **380**, 320.
6. Navarro, J.F. and White, S.D.M., 1993. Simulations of Dissipative Galaxy Formation in Hierarchically Clustering Universes I: Tests of the Code. *M.N.R.A.S.* **265**, 271.
7. White, S.D.M., Navarro, J.F., Evrard, A.E., and Frenk, C.S., 1993. The Baryon Content of Galaxy Clusters: A Challenge to Cosmological Orthodoxy. *Nature* **366**, 429.

8. Navarro, J.F. and White, S.D.M., 1994. Simulations of Dissipative Galaxy Formation in Hierarchically Clustering Universes II: Dynamics of the Baryonic Component in Galactic Halos, *M.N.R.A.S.*, **267**, 401.
9. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1994. Accretion of Satellite Galaxies and the Density of the Universe. *M.N.R.A.S.* **267**, L1.
10. Cole, S., Aragón, A., Frenk, C.S., Navarro, J.F., and Zepf, S., 1994. A Recipe for Galaxy Formation. *M.N.R.A.S.*, **271**, 781.
11. Heyl, J.S., Cole S., Frenk C.S., and Navarro, J.F., 1995. Galaxy Formation in a Variety of Hierarchical Models, *M.N.R.A.S.* **274**, 755.
12. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1995. The Assembly of Galaxies in a Hierarchically Clustering Universe. *M.N.R.A.S.*, **275**, 56.
13. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1995. Simulations of X-ray Clusters. *M.N.R.A.S.* **275**, 720.
14. Navarro, J.F., White, S.D.M., and Frenk, C.S. 1996. The Structure of Cold Dark Matter Halos. *Ap. J.* **462**, 563.
15. Eke, V.R., Cole, S.M., Frenk, C.S., and Navarro, J.F. 1996. Cluster Correlation Functions in N-body Simulations, *M.N.R.A.S.* **281**, 703.
16. Evrard, A.E., Metzler, C.A., and Navarro, J.F. 1996. Mass Estimates of X-Ray Clusters, *Ap. J.* **469**, 494.
17. Raiteri, C.M., Villata, M., and Navarro, J.F., 1996. Simulations of Galactic Chemical Evolution. I. O and Fe Abundances in a Simple Collapse Model, *Astronomy and Astrophysics*, **315**, 105.
18. Navarro, J.F., Eke, V.R., and Frenk, C.S., 1996. The Cores of Dwarf Galaxy Halos. *M.N.R.A.S.*, **283**, L72.
19. Navarro, J.F., and Steinmetz, M., 1997. The Effects of a Photoionizing UV Background on the Formation of Disk Galaxies, *Ap. J.* **478**, 13.
20. Navarro, J.F., Frenk, C.S., and White, S.D.M., 1997. A Universal Density Profile from Hierarchical Clustering, *Ap. J.* **490**, 493.
21. Eke, V.R., Navarro, J.F., and Frenk, C.S. 1998. The Evolution of X-ray Clusters in a Low-Density Universe, *Ap. J.* **503**, 569.
22. Ponman, T., Cannon, D., and Navarro, J.F., 1999. The Thermal Imprint of Galaxy Formation on X-ray Clusters. *Nature*, **397**, 135.

23. Steinmetz, M., Navarro, J.F. 1999. The Cosmological Origin of the Tully-Fisher Relation. *Ap.J.* **513**, 555.
24. Frenk, C.S., White, S.D.M., Bryan, G., Cen, R., Couchman, H., Evrard, A.E., Gnedin, N., Jenkins, A., Navarro, J.F., Owen, M., Pen, U., Steinmetz, M., Yepes, G., Wadsley, J., Warren, M. 1999. The Santa Barbara Cluster Comparison Project: A Test of Cosmological Hydrodynamics Solutions. *Ap.J.*, **525**, 554.
25. Williams, L., Navarro, J.F., Bartelmann, M. 1999. The Core Structure of Galaxy Clusters from Gravitational Lensing. *Ap.J.* **527**, 535.
26. Navarro, J.F., Steinmetz, M. 2000. The Core Density of Dark Matter Halos. A Critical Challenge to the Lambda CDM Paradigm?. *Ap.J.* **528**, 607.
27. Abadi, M.G., Bower, R., Navarro, J.F. 2000. Self-similar Shocked Accretion of Collisional Gas with Radiative Cooling. *M.N.R.A.S.* **314**, 759.
28. Navarro, J.F., Steinmetz, M. 2000. Dark Halo and Disk Galaxy Scaling Laws. *Ap.J.* **538**, 477.
29. Balogh, M., Navarro, J.F., Morris, S. 2000. The Origin of Star Formation Gradients in Rich Galaxy Clusters. *Ap.J.* **540**, 113.
30. Eke, V.R., Navarro, J.F., Steinmetz, M. 2001. The Power Spectrum Dependence of Dark Matter Halo Concentrations. *The Astrophysical Journal*, **554**, 114.
31. Taylor, J., Navarro, J.F. 2001. The Phase Space Density Profile of Cold Dark Matter Halos. *The Astrophysical Journal*, **563**, 483.
32. Font, A., Navarro, J.F., Stadel, J., Quinn, T.R. 2001. Halo Substructure and Disk Heating in A Lambda CDM Universe. *The Astrophysical Journal Letters*, **563**, L1.
33. Steinmetz, M., and Navarro, J.F. 2002. The Hierarchical Origin of Galaxy Morphologies. *New Astronomy*, **7**, 155.
34. Power, C., Navarro, J.F., Jenkins, A.R., Frenk, C.S., White, S.D.M., Springel, V., Stadel, J., Quinn, T.R. 2003. The Inner Structure of  $\Lambda$ CDM Halos I: A Numerical Convergence Study. *MNRAS*, **338**, 14.
35. Hayashi, E., Navarro, J.F., Taylor, J.E, Stadel, J. Quinn, T.R. 2002. The Structural Evolution of Substructure. *The Astrophysical Journal*, **584**, 541.
36. Abadi, M.G., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. Simulations of Galaxy Formation in a  $\Lambda$ CDM Universe I: Dynamical and Photometric Properties of a Simulated Disk Galaxy. *The Astrophysical Journal*, **591**, 499.

37. Abadi, M.G., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. Simulations of Galaxy Formation in a Lambda CDM Universe II: The Fine Structure of Simulated Galactic Disks. *The Astrophysical Journal*, **597**, 21.
38. Meza, A., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. Simulations of Galaxy Formation in a Lambda CDM Universe III: The Dissipative Formation of an Elliptical Galaxy. *The Astrophysical Journal*, **590**, 619.
39. Helmi, A., Meza, A., Navarro, J.F., Steinmetz, M., Eke, V.R. 2003. On the nature of the ring-like structure in the Outer Galactic Disk. *The Astrophysical Journal Letters*, **592**, L25.
40. Navarro, J.F., Helmi, A., Freeman, K.C. 2003. The Extragalactic Origin of the Arcturus Group. *The Astrophysical Journal Letters*, **601**, L43.
41. Bradac, M., Schneider, P., Lombardi, M., Steinmetz, M., Koopmans, L.V.E., Navarro, J.F. 2004. The Signature of CDM Substructure on Gravitational Lensing. *Astronomy and Astrophysics*, **423**, 797.
42. Hayashi, E., Navarro, J.F., Jenkins, A., Frenk, C.S., Power, C., White, S.D.M., Springel, V., Stadel, J., Quinn, T.R. 2004. The Inner Structure of  $\Lambda$ CDM Halos II: Halo Mass Structure and LSB Rotation Curves. *MNRAS*, **355**, 794.
43. Navarro, J.F., Hayashi, E., Jenkins, A., Frenk, C.S., Power, C., White, S.D.M., Springel, V., Stadel, J., Quinn, T.R. 2004. The Inner Structure of  $\Lambda$ CDM Halos III: Universality and Asymptotic Slopes. *MNRAS*, **349**, 1039.
44. Navarro, J.F., Abadi, M.G., Steinmetz, M. 2004. Tidal Torques and the Orientation of Nearby Disk Galaxies. *The Astrophysical Journal Letters*, **613**, L41.
45. Meza, A., Navarro, J.F., Abadi, M.G., Steinmetz, M. 2005. Accretion Relics in the Solar Neighbourhood: debris from  $\omega$ Cen's Parent Galaxy. *Monthly Notices of the Royal Astronomical Society*, **359**, 93.
46. Merritt, D., Navarro, J.F., Ludlow, A., Jenkins, A.R. 2005. A Universal Density Profile for Dark and Luminous Matter. *The Astrophysical Journal Letters*, **624**, L85.
47. Springel, V., White, S.D.M., Jenkins, A., Frenk, C.S., Yoshida, N., Gao, L., Navarro, J.F., Thacker, R., Croton, D., Helly, J., Peacock, J., Cole, S., Thomas, P., Couchman, H., Evrard, A., Colberg, J., Pearce, F. 2005. Simulations of the formation, evolution and clustering of galaxies and quasars. *Nature*, **435**, 629.
48. Bailin, Jeremy; Kawata, Daisuke; Gibson, Brad K.; Steinmetz, Matthias; Navarro, Julio F.; Brook, Chris B.; Gill, Stuart P. D.; Ibata, Rodrigo A.; Knebe, Alexander; Lewis, Geraint F.; Okamoto, Takashi. 2005. Internal Alignment of the Halos of Disk Galaxies in Cosmological Hydrodynamic Simulations. *The Astrophysical Journal Letters*, **627**, L17

49. Libeskind, Noam I.; Frenk, Carlos S.; Cole, Shaun; Helly, John C.; Jenkins, Adrian; Navarro, Julio F.; Power, Chris. 2005. The distribution of satellite galaxies: the great pancake. *Monthly Notices of the Royal Astronomical Society*, **363**, 146.
50. Darren J. Croton, Volker Springel, Simon D. M. White, G. De Lucia, C. S. Frenk, L. Gao, A. Jenkins, G. Kauffmann, J. F. Navarro, N. Yoshida. 2006. The many lives of AGN: cooling flows, black holes and the luminosities and colours of galaxies. *MNRAS*, **365**, 11.
51. Abadi, M.G., Navarro, J.F., Steinmetz, M., 2006. Stars beyond Galaxies: The Origin of Extended Luminous Halos around Galaxies. *MNRAS*, **365**, 747.
52. Amina Helmi, J.F.Navarro, B. Nordstrom, J. Holmberg, M.G. Abadi, M. Steinmetz, 2006. Pieces of the puzzle: Ancient substructure in the Galactic disk. *MNRAS*, **365**, 1309.
53. V.R.Eke, C.M.Baugh, S.Cole, C.S.Frenk, J.F.Navarro, 2006. Galaxy groups in the 2dFGRS: the number density of groups. *MNRAS*, **370**, 1147.
54. Steinmetz, M. et al 2006. The Radial Velocity Experiment (RAVE): first data release. *The Astronomical Journal*, **132**, 1645.
55. Hayashi, E., Navarro, J.F., 2006. Hiding Cusps in Cores: Kinematics of Disk Galaxies in Triaxial Dark Matter Halos. *MNRAS*, **373**, 1117.
56. Bett, P., Eke, V.R., Frenk, C.S., Jenkins, A., Helly, J., Navarro, J.F. 2007. The spin and shape of dark matter haloes in the Millennium simulation of a LambdaCDM universe. *MNRAS* **376**, 215.
57. Crain, Robert A.; Eke, Vincent R.; Frenk, Carlos S.; Jenkins, Adrian; McCarthy, Ian G.; Navarro, Julio F.; Pearce, Frazer R. 2007. The baryon fraction of LambdaCDM haloes. *MNRAS* **377**, 41.
58. Hayashi, E., Navarro, J.F., Springel, V. 2007. The Shape of the Gravitational Potential in Cold Dark Matter Halos. *MNRAS* **377**, 50.
59. Smith, M. C.; Ruchti, G. R.; Helmi, A.; Wyse, R. F. G.; Fulbright, J. P.; Freeman, K. C.; Navarro, J. F.; et al. 2007. The RAVE Survey: Constraining the Local Galactic Escape Speed. *MNRAS* **379**, 755.
60. Sales, L.V., Navarro, Julio F., Abadi, M.G., Steinmetz, M. 2007. Satellites of Simulated Galaxies: survival, merging, and their relation to the dark and stellar haloes. *MNRAS* **379**, 1464.
61. Sales, L.V., Navarro, Julio F., Abadi, M.G., Steinmetz, M. 2007. Cosmic Ménage à Trois: The Origin of Satellites on Extreme Orbits. *MNRAS* **379**, 1475.
62. D’Onghia, E., Navarro, J.F. 2007. Do Mergers Spin-up Dark Matter Haloes? *MNRAS* **380**, L58.
63. McConnachie, A., Peñarrubia, J., Navarro, J.F. 2006. Multiple dynamical components in Local Group dwarf spheroidals. *MNRAS* **380**, L75.



64. Neto, A.F.,..., Navarro, J.F., and 7 other coauthors, 2007. The statistics of Lambda CDM halo concentrations. *MNRAS* **381**, 1450.
65. Sales, L.V., Navarro, Julio F., Lambas, D.G., White, S.D.M., Croton, D.J. 2007. Satellite galaxies and fossil groups in the Millennium Simulation. *MNRAS* **382**, 1901.
66. Peñarrubia, J., Navarro, Julio F., McConnachie, A.W. 2008. The Tidal Evolution of Local Group Dwarf Spheroidals. *The Astrophysical Journal* **673**, 226.
67. Peñarrubia, J., Navarro, Julio F., McConnachie, A.W. 2008. Local Group Dwarf Galaxies in the LCDM Paradigm. *Astronomische Nachrichten*, **329**, 934.
68. Peñarrubia, J., McConnachie, A.W., Navarro, Julio. F. 2007. The Cold Dark Matter Halos of Local Group Dwarf Spheroidals. *The Astrophysical Journal* **672**, 904.
69. Seabroke, G.M., and 21 coauthors. 2008. Is the sky falling ? Searching for stellar streams in the local Milky Way disk in the CORAVEL and RAVE surveys. *MNRAS*, **384**, 11.
70. Veltz, L., and 19 co-authors. 2008. Galactic kinematics with RAVE data. I. The distribution of stars towards the Galactic poles. *A&A*, **480**, 753.
71. Gao, L., and 7 co-authors. 2008. The redshift dependence of the structure of massive  $\Lambda$  cold dark matter haloes. *MNRAS* **387**, 536.
72. Zwitter, T., and 49 co-authors. 2008. The Radial Velocity Experiment (RAVE): Second Data Release *The Astronomical Journal*, **136**, 421.
73. Munari, U., and 22 coauthors. 2008. Diffuse interstellar bands in RAVE survey spectra. *A&A*, **488**, 969.
74. Springel, V.; White, S. D. M.; Frenk, C. S.; Navarro, J. F.; Jenkins, A.; Vogelsberger, M.; Wang, J.; Ludlow, A.; Helmi, A. 2008. Prospects for detecting supersymmetric dark matter in the Galactic halo. *Nature*, 456, 73.
75. Siebert, A., and 18 coauthors. 2008. Estimation of the tilt of the stellar velocity ellipsoid from RAVE and implications for mass models. *MNRAS*, **391**, 793.
76. Springel, V.; Wang, J.; Vogelsberger, M.; Ludlow, A.; Jenkins, A.; Helmi, A.; Navarro, J. F.; Frenk, C. S.; White, S. D. M. 2008. The Aquarius Project: the subhaloes of galactic haloes. *MNRAS*, **391**, 1685.

**b. Refereed conference proceedings**

1. Navarro, J.F., 1994. Mergers and Galaxy Formation., Invited Review at the UNAM-CRAY Supercomputer Conference on Numerical Simulations in Astrophysics, J.J. Franco et al. (eds.), (Cambridge University Press: Cambridge), page 53.

2. Navarro, J.F., 1995. Simulations of Galaxy Formation in Hierarchically Clustering Universes, Invited Review at the 11th IAP Meeting, The Interplay between Massive Star Formation, the ISM and Galaxy Evolution, eds. Kunth, D. et al., (Editions Frontières: Paris), page 457.
3. Navarro, J.F., 1996. Cosmological Constraints from Rotation Curves of Disk Galaxies, in the Proceedings of *Dark and Visible Matter in Galaxies and Cosmological Implications* (PASP Conference Series), eds. M. Persic and P. Salucci, p. 404.
4. Gómez-Flechoso, M.A., Domínguez-Tenreiro, R., Navarro, J.F., 1997. The Effects of Cluster Tides on Disk Galaxies, *Astrophysical Letters & Communications*, **36**, 291.
5. Navarro, J.F., 1998. Dark Matter Halos and Disk Rotation Curves. Invited Review at the Santa Cruz Workshop, Galactic Halos, ed. Zaritsky, D., PASP Conference Series 136, page 409.
6. Steinmetz, M., Navarro, J.F. 2000. The Origin of Galaxy Scaling Laws. In "Dynamics of Galaxies: From the Early Universe to the Present", eds. F. Combes, G. Mamon, W. Charmandaris. ASP Conference Series 197. Page 165.
7. Navarro, J. 2000. Dark Halo and Disk Galaxy Scaling Laws. In "Galaxy Disks and Disk Galaxies", ASP Conference Series, volume 230, p.527, J.G.Funes, S.J. and E.M.Corsini, eds.
8. Navarro, J. 2001. "The Inner Structure of Cold Dark Matter Halos". In the proceedings of IAU Symposium 208, "Astrophysical Supercomputing Using Particle Simulations", eds. J.Makino & P.Hut., p.261.
9. Hayashi, E., Navarro, J.F. 2001. "Structural Evolution of Substructure". Proceedings of IAU Symposium 208, "Astrophysical Supercomputing Using Particle Simulations", eds. J.Makino & P.Hut, p.403.
10. Navarro, J.F. 2003. "Simulations of Dark Matter Halos". Royal Society Scientific Discussion Meeting on Dark Matter.
11. Font, A., Navarro, J.F. 2001. "Cold Dark Matter Substructure and the Heating of Galactic Disks". Proceedings of IAU Symposium 208, "Astrophysical Supercomputing Using Particle Simulations", eds. J.Makino & P.Hut. (ASP), p.391.
12. Navarro, J.F. 2001. "Substructure in CDM Halos and the Heating of Stellar Disks". Proceedings of the Yale Symposium "The Shapes of Galaxies and their Halos", World Scientific Press, ed. P. Natarajan.
13. Navarro, J.F. 2001. "The Inner Structure of Cold Dark Matter Halos". Proceedings of IAU Symposium 208 "Astrophysical Supercomputing using Particles". PASP Conference Series. J.Makino & P.Hut, eds.
14. Navarro, J.F. 2003. "CDM Halos and LSB Rotation Curves". Proceedings of the Royal Society Scientific Discussion on "Dark Matter". *Phil.Trans.R.Soc.London. A* (2003) 361, 2515.

15. Navarro, J.F. 2004. "The Inner Density Cusps of Cold Dark Matter Halos". Proceedings of the IAU Symposium 220 "Dark Matter in Galaxies", eds. S.Ryder, D.J.Pisano, M.Walker, K.C.Freeman. PASP Conference Series, Vol 220, p.61.
16. Helmi, A., Navarro, J.F., Meza, A., Steinmetz, M., Eke, V.R. 2003. "On the Nature of the Ring-Like Structure in the Outer Galactic Disk". Proceedings of the Conference "Satellites and Tidal Streams", La Palma, Canary Islands. PASP Conference Series.
17. Navarro, J.F. 2004. "The Hierarchical Formation of the Galactic Disk". Proceedings of the Conference "Penetrating Bars through Masks of Cosmic Dust", South Africa, eds. D.Block and K.C.Freeman.

**c. Books and chapters in books**

**d. Other publications**

1. Navarro, J.F., Lambas, D.G., and Sérsic, J.L., 1986. Dynamical Effects of Dark Matter in Systems of Galaxies, *Ap. Sp. Sci.*, **123**, 117.
2. Navarro, J.F. and Lambas, D.G., 1987. Dark Matter Influence on Velocity Dispersion Profiles of Clusters of Galaxies, *Ap. Sp. Sci.*, **133**, 241.
3. Navarro, J.F., 1992. Simulations of Dissipative Galaxy Formation in a Cold Dark Matter Universe, in *Structure, Dynamics and Chemical Evolution of Elliptical Galaxies*, Danziger, I.J., Zeilinger, W.W., and Kj ar (eds.) (ESO Conference and Workshop Proceedings No. 45), page 385.
4. Navarro, J.F., 1992. Dynamics of the Baryonic Component in Hierarchically Clustering Universes, in *The Evolution of Galaxies and their Environment*, Hollenbach, D., Thronson, H., and Shull, J.M. (eds.) (NASA Conference Publication 3190), page 372.
5. Navarro, J.F., 1994. X-ray Clusters in the CDM Cosmogony, in *NATO ASI Cosmological Aspects of Clusters of Galaxies*, W. Seitter (ed.), (Kluwer: Dordrecht), page 313.
6. Navarro, J.F., 1995. The Structure of CDM Halos, in the Proceedings of the IAU Symposium 171, *New Light on Galaxy Evolution*, eds. R. Davies and R. Bender, (Kluwer: Dordrecht), page 255.
7. Navarro, J.F. 1998. The Cosmological Significance of Disk Galaxy Rotation Curves. Unpublished Manuscript. Available from xxx.lanl.gov (astro-ph/9807084).

**e. Presentations at conferences or institutions (since 1994)**

Institute for Advanced Study. Astrophysics Seminar. Princeton University. October 1994.

ESO/MPA Workshop on Galaxy Clusters. Invited Review. Max-Planck Institut f ur Astrophysik (MPA). Garching, Germany. December 1994.

XVII Texas Symposium on Relativistic Astrophysics and Cosmology. Invited Oral Contribution. Munich Hilton. Munich, Germany. December 1994.

MPA Workshop on “Uses of the GRAPE Hardware for Astrophysical Applications”. Invited Oral Contribution. MPA-Garching, Germany. December 1994.

University of Arizona. Theoretical Astrophysics Colloquium. Steward Observatory and Physics Department. Tucson, AZ. January 1995.

New Mexico State University. Astronomy Colloquium. Department of Astronomy. Las Cruces, NM. May 1995.

ITP Program on “Cosmic Radiation Backgrounds and the Formation of Galaxies”. Invited Participant. Institute for Theoretical Physics at the University of California Santa Barbara. February-June 1995.

IAU Symposium 171, “New Light on Galaxy Evolution”. Invited Oral Contribution. Heidelberg, Germany. June 1995.

Durham University. Research Visit and Seminar. Physics Department. Durham, UK. June 1995.  
11th IAP Astrophysics Meeting on “The Interplay between Massive Star Formation, the ISM and Galaxy Evolution”. Invited Review. Institut d’Astrophysique de Paris. July 1995.

GCD4: Ringberg Workshop on “History of the Milky Way and its Satellite System”. Invited Participant. Ringberg Castle, Bavaria, Germany. August 1995.

Max-Planck Institut für Astrophysik. Research Visit. Garching, Germany. July-September 1995.

Max-Planck Institut für Astronomie. Research Visit. Heidelberg, Germany. August 1995.

Osservatorio Astronomico di Torino. Astrophysics Colloquium. Pino Torinese, Torino, Italy. September 1995.

University of Arizona Public Evening Series. Invited Speaker. Steward Observatory, Tucson, AZ. October 1995.

University of Washington. Research Visit and Astrophysics Seminar. Seattle, WA. October 1995.

National Optical Astronomical Observatories. Lunchtime Seminar. Tucson, AZ. December 1995.

University of Arizona. NOAO/Steward Observatory Joint Colloquium. Tucson, AZ. January 1996.

University of Massachusetts. Astronomy Colloquium. Amherst, MA. February 1996.

University of Arizona. Theoretical Astrophysics Seminar. Physics Department and Department of Astronomy. Tucson, AZ. February 1996.

University of California, Berkeley. Astronomy Colloquium. Department of Astronomy. May 1996.  
Physics Department, Durham University. Research Visit. Durham, UK. June 1996.

Max-Planck Institut für Astrophysik. Research Visit. Garching, Germany. August-September 1996.

International Center for Theoretical Physics and Scuola Internazionale Superiore di Studi Avanzati.  
Research Visit. Trieste, Italy. September 1996.

International Conference on “Dark and Visible Matter in Galaxies”. Oral Contribution. Sesto Pusteria,  
Italy. July 1996.

III Regional Extragalactic Meeting. Invited Speaker. Universidad Nacional de Córdoba. Argentina.  
September 1996.

International Workshop on “Aspects of Dark Matter in Astro- and Particle Physics”. Invited Review.  
Heidelberg, Germany. September 1996.

University of California, San Diego. Astrophysics Colloquium. Department of Astronomy, UCSD. La  
Jolla, CA. November 1996.

Universidad Autónoma de México. Astronomy Colloquium. Ensenada, Baja California. November  
1996.

University of California, Santa Cruz. Astrophysics Colloquium. Department of Astronomy, UCSC.  
Santa Cruz, CA. December 1996.

Canadian Institute for Theoretical Astrophysics. Astrophysics Colloquium. University of Toronto,  
Canada. December 1996.

Harvard-Smithsonian Center for Astrophysics. Theoretical Astrophysics Seminar. Cambridge, MA.  
December 1996.

Aspen Winter Astrophysics Workshop on “Observational Tests of Cosmological Models”. Invited  
Participant. Aspen, CO. January 1997.

Pennsylvania State University. Astrophysics Colloquium. Department of Astronomy. January 1997.

Canadian Institute for Advanced Research Gravity and Cosmology Conference. Invited Participant. The  
Banff Centre. Banff, Alberta, Canada. February 1997.

University of Virginia. Astrophysics Colloquium. Department of Astronomy. February 1997.  
Leiden University. Astrophysics Colloquium. Sterrewacht Leiden. March 1997.

Rutgers University. Astrophysics Seminar. Department of Physics. March 1997.

State University of New York At Stony Brook. Astrophysics Colloquium. Department of Earth and Space Sciences. March 1997.

FERMILAB. Astrophysics Seminar. Astrophysics Group. March 1997.

Physics Department, Durham University. Research Visit and Seminar. Durham, UK. March 1997

Lawrence Livermore National Laboratory. Astrophysics Colloquium. Livermore, CA. May 1997.

Conference on “Clusters of Galaxies at Different Redshifts”. Invited Talk. Ruidoso, NM. New Mexico State University. May 1997..

University of Puerto Rico. Astrophysics Colloquium. Río Piedras, PR. June 1997.

Workshop on "Smooth Particle Hydrodynamics: Models, Applications, and Enabling Technologies". Invited Participant. Institute for Advanced Study. Princeton, NJ. June 1997.

Santa Cruz Workshop on Galactic Halos. Invited Reviewer. University of California, Santa Cruz. August 1997.

IAU Symposium 186 on “Galaxy Interactions at High and Low Redshift”. Invited Reviewer. Kyoto, Japan. August 1997.

Workshop on “Evolution of Clusters of Galaxies”. Invited Reviewer. Universidad Católica de Chile. December 1997.

Physics Department, Durham University. Research Visit and Seminar. Durham, UK. January 1998.

Max-Planck Institut für Astrophysik. Research Visit and Seminar. Garching, Germany. February 1998.

Workshop on “Star Formation, the Interstellar Medium, and the Evolution of Galaxies”. Invited Participant. Aspen Center for Physics. Aspen CO, USA. June 1998.

IX International Astronomical Union Regional Meeting. November 9-13, 1998. Puebla, Mexico. Invited Reviewer.

ESO Very Large Telescope Opening Symposium. 1-5 March 1999. Antofagasta, Chile. Invited Reviewer.

University of California, Berkeley. February 1999. Astronomy Department Colloquium Speaker.

University of British Columbia. Department of Physics and Astronomy. March 1999. Colloquium Speaker.

Canadian Institute for Advanced Research. Banff, AB, May 1999. Cosmology and Gravitation Program Meeting. Invited Speaker.

Ringberg Workshop on Satellite Galaxies. June 1999. Max Planck Society Ringberg Castle, Bavaria, Germany. Invited Participant and Speaker.

Max Planck Institut fur Astrophysik. June 1999. Garching bei Munchen, Germany. Invited Seminar Speaker.

University of Victoria. Department of Physics and Astronomy. October 1999. Colloquium Speaker.

Workshop on Disk Galaxies. October 1999. Max Planck Institute fur Astronomie, Heidelberg, Germany. Invited Reviewer.

Canadian Institute for Advanced Research. Banff, AB, February 2000. Cosmology and Gravitation Program Meeting. Invited Speaker.

Galaxy Formation and Evolution ITP Workshop. March 2000. University of California Santa Barbara. Invited Participant.

Galaxy Formation and Evolution ITP Conference. March 2000. University of California Santa Barbara. Invited Reviewer.

Astrophysics Conference. April 2000. Centro de Estudios Cientificos del Sur. Valdivia, Chile. Invited Speaker.

Oort Symposium. April 2000. Leiden University. Leiden, The Netherlands. Invited Speaker.

The Formation and Transformation of Galaxies. Public Lecture. University of Victoria Division of Continuing Studies. Dunsmuir Lodge. April 2000.

American Physics Society Annual Meeting. May 19-20, 2000. Eugene, OR. Invited Speaker.

Galaxy Disks and Disk Galaxies. Vatican Observatory Conference. June 12-16, 2000. Rome, Italy. Invited Speaker.

XIX International Conference on Neutrino Physics and Astrophysics. June 16-21, Sudbury, Canada. Invited Speaker.

Dark Matter and Gravitational Lensing. Second Princeton-PUC Workshop on Astrophysics. San Pedro de Atacama, Chile. July 19-22, 2000. Invited Speaker (*declined*).

X IAG-USP Advanced School on Astrophysics. 2-6 September 2000. Angra dos Reis, Rio de Janeiro, Brazil. Invited Lecturer.

Observatorio Nacional, Universidad Nacional de Córdoba, Argentina. Research Visit and Astronomy Seminar. October 2000.

Physics Department, University of Durham, U.K. Research Visit and Astronomy Seminar. November 2000.

Steward Observatory, University of Arizona, UK. Research Visit and Astronomy Seminar. December 2000.

CIAR Gravitation and Cosmology Program Meeting. February 2001. Banff, AB. Invited Talk.

Oort Symposium on Galaxy Formation and Evolution. May 2001. Leiden Observatory, The Netherlands. Invited Participant.

Physics Department, University of Durham (UK). May 2001. Astronomy Seminar.

Canadian Astronomical Society Annual Meeting. Hamilton, ON. May 2001. Oral Contribution.

Yale Workshop on Galaxy and Halo Shapes. May 2001. Yale University. Invited Talk.

IAS-Rutgers Workshop on Dark Matter. May 2001. Institute for Advanced Study, Princeton, NJ, USA. Invited Talk.

SNOWMASS 2001. Snowmass, CO. July 2001. Invited Speaker (*declined*).

IAU Symposium 208. "Astrophysical Supercomputing using Particles". Tokyo, Japan. July 2001. Invited Reviewer.

Durham Conference "A New Era in Cosmology". September 2001. Durham, U.K. Invited Talk (*declined*).

Xth IAU Regional Meeting. Cordoba, Argentina. September 2001. Oral Contribution.

University of Illinois at Urbana-Champaign. October 2001. Astronomy Colloquium Speaker.

International Conference "Disks of Galaxies: Kinematics, Dynamics and Perturbations". Puebla, Mexico. November 2001. Invited Speaker and Panelist.

Cornell University. December 2001. Astronomy Department Colloquium Speaker.

New York University. December 2001. Physics and Astronomy Colloquium Speaker.

Steward Observatory, University of Arizona. February 2002. Astronomy Colloquium Speaker.

Department of Astronomy, University of Massachusetts. February 2002. Astronomy Colloquium Speaker.

International Conference "Galaxy Evolution: Theory and Observations". April 2002. Cozumel, Mexico. Invited Speaker.



CIAR Cosmology and Gravity Program Annual Meeting. April Point, Quadra Island, BC. June 2002. Invited Speaker.

Herzberg Institute for Astrophysics, Victoria, BC. April 2002. Astronomy Seminar.

Herzberg Institute for Astrophysics, Victoria, BC. August 2002. Pacific Northwest Cosmology Workshop. Oral Contribution.

Annual Meeting of the Argentine Astronomical Society. Buenos Aires, September 2002. Invited Review.

ESO Cosmology 2002 Workshop. Speaker and in charge of Conference Concluding Remarks. October 2002. ESO Santiago, Chile.

Louisiana State University, Baton Rouge, LA. Physics Department. November 2002. Colloquium Speaker.

Perimeter Institute. Waterloo, ON. December 2002. Colloquium Speaker (*postponed*).

Royal Society. London, UK. January 2003. Invited Speaker at Scientific Discussion Meeting on “Dark Matter”.

Annual Meeting of CIAR’s Gravity and Cosmology Program. Mt Tremblant, Quebec. Invited Speaker. March 2003.

Research Workshop on “Galaxy Formation”. Institute for Advanced Studies. The Hebrew University of Jerusalem, Israel. Invited Member. June 2003.

2<sup>nd</sup> Potsdam Thinkshop. “The Local Group as a Cosmological Training Sample”. Astrophysikalisches Institut Potsdam. Potsdam, Germany. Invited Reviewer. June 2003.

GCD-V “Galactic Chemodynamics Workshop V”. Invited Speaker. Melbourne, Australia. July 2003.

IAU Symposium 220 “Dark Matter in Galaxies”. Sydney, Australia. Invited Speaker. July 2003.

BIRS Workshop “Galaxy Formation: A Herculean Challenge”. Banff, AB, November 2003. Organizer and Speaker.

VIRGO Consortium Collaboration Meeting. Durham, UK. November 2003. Invited Speaker.

University of Chicago Department of Astronomy Colloquium Speaker. December 2003.

University of California San Diego. Department of Astronomy Colloquium Speaker. February 2004.

Canadian Institute for Advanced Research. Cosmology and Gravity Program Annual Meeting. Banff, AB, March 2004. Invited Participant and Speaker.

Massachusetts Institute of Technology. Astronomy Department. Cambridge, MA. March 2004. Colloquium Speaker.

"Penetrating Bars through Masks of Cosmic Dust" Conference, Pilanesberg Park, South Africa, June 2004. Invited Speaker.

Dartmouth College, Hanover, NH, USA. July 2004. Astronomy Seminar Speaker.

COSMO 2004. Toronto, ON. September 2004. Invited Reviewer.

Ringberg Meeting on Galaxy Mergers. Ringberg Castle, Bavaria, Germany. October 2004. Invited Reviewer (declined).

Joint Munich Astronomy Colloquium (ESO/MPA/Sternwarte) Speaker. Garching bei Muenchen. November 2004.

Institute d'Astrophysique de Paris. Paris, France. November 2004. Colloquium Speaker.

Kapteyn Institute, Groningen University, The Netherlands. November 2004. Colloquium Speaker.

II Chilean Advanced Summer School. Santiago, Chile, December 2004. Invited Lecturer.

Max-Planck Institute for Astrophysics, Garching, Germany. Seminar Speaker. January 2005

Max-Planck Institute for Astronomy. Heidelberg, Germany. Seminar Speaker. February 2005.

Physics Department "Amedeo Avogadro". Turin, Italy. Colloquium Speaker. February 2005.

CIAR Cosmology and Gravity Program Annual Meeting. Mt Tremblant, Quebec. Invited Participant. March 2005.

Observatorio Astronómico. Universidad Nacional de Córdoba, Argentina. Colloquium Speaker. March 2005.

CIAR's "The Spirit of Discovery" Celebration. Invited Speaker. Montreal, Quebec. February 2005.

Canadian Astronomical Society Annual Meeting. Oral Contribution. Montreal, Quebec. May 2005.

Department of Astronomy, University of Nottingham, UK. Colloquium Speaker. May 2005.

Astrophysikalisches Institut Potsdam, Germany, Colloquium Speaker. May 2005.

International Center for Theoretical Physics, Trieste, Italy. Cosmology Workshop. Invited Talk and Seminar. June 2005.

Institute of Astronomy. Cambridge University, Cambridge, UK. Colloquium Speaker. June 2005.

Institute for Computational Cosmology and Department of Physics, University of Durham, UK. Colloquium Speaker. June 2005.

Institut d'Astrophysique de Paris. "Mass and Shapes of Dark Matter Halos" Colloquium. Paris, France, July 2005.

Nearly Normal Galaxies 2005 Conference. University of California at Santa Cruz. Invited Speaker. August 2005.

Department of Physics, Université de Montreal. Montreal, Quebec. Colloquium Speaker. September 2005.

Department of Astronomy, University of Toronto. Toronto, ON, Canada. Colloquium Speaker. November 2005.

Center for Particle Physics and Cosmology. New York University. New York, NY, USA. Seminar Speaker. December 2006.

CIAR Cosmology and Gravity Program Annual Meeting. Banff, AB. Invited Participant. February 2006.

Department of Astronomy, California Institute of Technology. Pasadena, CA. Colloquium Speaker. March 2006.

Ringberg Workshop on Dwarf Galaxies. Invited Speaker. Ringberg Castle, Bavaria, Germany. March 2006.

Department of Physics and Astronomy, University of British Columbia. Vancouver, BC, Canada. Colloquium Speaker. April 2006.

Department of Physics and Astronomy. Dartmouth College. Hanover, NH, USA. Colloquium Speaker. May 2006.

Max-Planck Institute for Astrophysics, Garching, Germany. Seminar Speaker. June 2006.

Instituto Nacional de Astronomía, Óptica y Electrónica (INAOE), Tonanzintla, Mexico. International School on Galactic and Cosmological N-Body Simulations. Invited Lecturer. July 2006.

KITP Conference on Gravitational Lensing. UC Santa Barbara, October 2006. Invited Reviewer.

VII Mexican School on Gravitation and Mathematical Physics. Playa del Carmen, Mexico, November 2006. Invited Lecturer.

Lorentz Workshop “Dissecting the Milky Way”. Leiden University, The Netherlands. November 2006. Invited Speaker.

Institute for Computational Cosmology, University of Durham, UK. Astrophysics Seminar. December 2006.

“Astrophysical Probes of Dark Matter” Workshop. UC Irvine, Irvine, CA, March 2007. Invited Speaker (declined).

CIAR Cosmology and Gravity Program Annual Meeting. Whistler, BC, May 2007. Invited Participant and Speaker.

IAU Symposium 244 “Dark Galaxies and Lost Baryons”, Cardiff, UK. July 2007. Invited Speaker (declined)

“Galaxy Growth in a Dark Universe” Conference. Heidelberg, Germany, July 2007. Invited Speaker (declined).

Observatorio Nacional. Universidad Nacional de Córdoba. Argentina. Seminar Speaker. May 2007.

Max-Planck Institute for Astrophysics, Garching, Germany. Seminar Speaker. June 2007.

11<sup>th</sup> Paris Colloquium “Ecole Chalonge”. Observatoire de Paris, France. Invited Speaker. August 2007.

Zurich Workshop on Computational Astrophysics. Zurich, Switzerland, September 2007. Invited Reviewer.

Vatican Conference on “Formation and Evolution of Galaxy Disks”. Invited Speaker and Member of the SOC. Rome, October 2007.

Institute for Computational Cosmology, University of Durham, UK. Virgo Consortium meeting. Invited Participant and Speaker. December 2007.

Galactic Structure and the Structure of Galaxies Conference. Ensenada, BC, Mexico. Invited Speaker. March 2008.

Department of Astronomy. Boston University. Colloquium Speaker. April 2008.

“New Understanding of Galaxy Evolution”. Workshop at the Institute for Advanced Study. Hebrew University of Jerusalem, Israel. Invited Participant and Speaker. June 2008.

Observatorio Astronómico. Universidad Nacional de Córdoba. Seminar Speaker. August 2008.

Astro-theory Visitor. UC Berkeley. Invited Colloquium Speaker. October 2008.

``Back to the Galaxy''. Workshop and Conference. Kavli Institute for Theoretical Physics. UC Santa Barbara. Invited Participant and Speaker. October 2008.

"Galaxy Evolution: Emerging Insights and Future Challenges". Workshop at U.Texas at Austin. Invited Speaker, Conference Closing Speaker and SOC Member. November 2008.

``XX Canary Island Winter School''. Instituto de Astrofisica de Canarias, Spain. Invited Lecturer. November 2008.

Instituto de Astrofisica de Canarias. Tenerife, Canary Islands, Spain. Colloquium Speaker. December 2008.

Lorentz Center, Leiden University, The Netherlands. Invited Visitor and Seminar Speaker. December 2008.

## **7. SERVICE and PROFESSIONAL ACTIVITIES**

### **a. University and Faculty committees**

### **b. Departmental committees and responsibilities**

- 1998-99: Petrie Fellowship and Publicity/Web Committees
- 1999-00: Petrie Fellowship and Publicity/Web Committees
- 2000-03: Petrie Fellowship Committee
- 2002-03: Library Committee
- 2003-04: Departmental Strategic Plan Task Force Member, Library Committee, Petrie Fellowship
- 2004-05: Study Leave
- 2005-06: Library Committee, Petrie Fellowship
- 2006-07: Library Committee, Petrie Fellowship
- 2007-08: On Leave at the University of Massachusetts, Amherst.

### **c. Membership and service on international, national and provincial bodies and societies**

- Member of the Selection Committee for the Gruber Prize in Cosmology (2008-2010)
- Member of the governing Council of the Canadian Institute for Theoretical Astrophysics (CITA). 2006-2008.
- 2006-2008 - Member of the Natural Sciences and Engineering Research Council's (NSERC) Grant Selection Committee (GSC 17, Astronomy and Space Sciences).
- 2004- Executive Board Member: Radial Velocity Experiment (RAVE) Consortium.
- Executive Committee Member. CIAR Cosmology and Gravity Program. 2002-2007.
- Member of the governing Council of the Canadian Institute for Theoretical Astrophysics (CITA). 2001-2004.
- 1998-2001 – Member of the Natural Sciences and Engineering Research Council's (NSERC) Scholarships and Fellowships Committee.
- International Astronomical Union (Member)
- Canadian Institute for Theoretical Astrophysics, Inc. (Member)

- Canadian Astronomical Society (Member)
- Canadian Association of Physicists (Member)
- American Astronomical Society (Full Member)

**d. Conference organisational committees**

- August 2000 - Organizer of VC3: the Victoria Computational Cosmology Conference.
- June 2002 - Organizer of the Annual Meeting of the Cosmology and Gravity Program of the Canadian Institute for Advanced Research.
- November 2003 – Organizer of BIRS Workshop on “Galaxy Formation: A Herculean Challenge”. Banff, AB.
- July 2007 – Vatican Symposium on “Disk Galaxies” Scientific Organizing Committee.

**e. Grant committees**

- National Science Foundation. Accretion, Gas Dynamics and MHD (Theory) Panel. June 2002.
- National Science Foundation. Accretion, Extragalactic Astronomy (Theory) Panel. February 2003.
- National Science Foundation. Extragalactic Astronomy Panel (Theory). February 2004.
- NSERC. Grant Selection Committee 17. 2005-2008.

**f. Grant proposals reviewed**

Numerous grant proposals reviewed for the following agencies:

- FONDECYT (the Chilean National Science Foundation)
- PPARC (the UK Particle Physics and Astronomy Research Council)
- ISF (the Israeli Science Foundation)
- BSF (the US/Israel Binational Science Foundation)
- NYU (New York University)
- The Leverhulme Trust (United Kingdom)
- NSF (The US National Science Foundation)
- NOW (the Netherlands Organization for Scientific Research)
- INAF (Istituto Nazionale d’Astrofisica, Italy)
- NSERC (Natural Sciences and Engineering Research Council, Canada)
- The Swiss National Science Foundation

Numerous proposals for telescope time reviewed for:

- CFHT (Canada-France-Hawaii Telescope Corporation)
- PPARC (the UK Particle Physics and Astronomy Research Council)
- STScI (the Space Telescope Science Institute, Cycles 10 and 13)
- Gemini Telescope Corporation

**g. Visiting scientists hosted**

Dr. Mario Abadi, University of Cordoba, Argentina. December 1999 and October 2001.  
 Prof. Carlos Frenk. University of Durham. July 1999.  
 Prof. Simon White. Max-Planck Institute for Astrophysics. 1999 Lansdowne Lecturer  
 Dr. Max Pettini. Cambridge University. June 2000.  
 Prof. Matthias Steinmetz. University of Arizona. August 1999.  
 Dr. Andres Meza. Universidad Catolica de Chile. Nov 2000-Sept 2003.  
 Prof. Richard Ellis. Caltech. October 2001. Lansdowne Lecturer.  
 Prof. Simon White. Max-Planck Institute for Astrophysics. August 2002  
 Prof. Guinevere Kauffmann. Max-Planck Institute for Astrophysics. August 2002.  
 Prof. Avishai Dekel. The Hebrew University of Jerusalem. August 2004.  
 Prof. Joel Primack. University of California Santa Cruz. September 2004.  
 Prof. Heather Morrison. Case Western Reserve University. February 2005.  
 Prof. Mario Abadi. Universidad de Córdoba, Argentina. October 2005 and February 2006.  
 Dr. Christopher Pfrommer, CITA, U. of Toronto. March 2006.  
 Dr. Oleg Gnedin. Ohio State University, October 2006.  
 Dr. Stelios Kazantzidis. Stanford University. May 2007.

**h. Editorships**

**i. Reviews for journals, book reviews, published commentaries**

Referee for the following journals and publications:

- The Astrophysical Journal (Main Journal and Letters)
- The Astronomical Journal
- Monthly Notices of the Royal Astronomical Society
- Astronomy and Astrophysics
- Nature
- Science
- Publications of the Astronomical Society of Japan
- Publications of the Astronomical Society of the Pacific
- Revista Mexicana de Astronomía y Astrofísica.
- Physical Review Letters

**j. Other professional activities**

Fall 1996 – Spring 1997: Organizer of the Joint Steward/NOAO Colloquium Series.

April 1997: External Examiner, Thesis Tribunal for María Angeles Gómez-Flechoso. Universidad Autónoma de Madrid. Departamento de Física Teórica.

Various public lectures in the Victoria area for the University of Victoria Speakers Bureau.