

Laura Magrini – CURRICULUM VITAE

Name	Laura Magrini
Nationality	Italian
Place and date of birth	Firenze (Italy), 13 Sept.1974
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Present position

from Sept. 2009: Postdoc fellowship at INAF–Osservatorio Astrofisico di Arcetri (Firenze), “*Astroarcheology: to local way to cosmology*”,

Scientific carrier:

1993-1999: Laurea Degree in Physics

University of Florence

“*A search for planetary nebulae in the spiral galaxy M33*”.

Supervisor: Prof. Mario Perinotto.

2000-2003 PhD in Astronomy

University of Florence/ING (Isaac Newton Group, La Palma, Spain)/IAC (Instituto de Astrofisica de Canarias, Tenerife, Spain)

“*Extragalactic Planetary Nebulae: tool to understand the nearby universe*”.

Advisors: Prof. Mario Perinotto and Dr. Romano L.M. Corradi

Post-doc positions

1. 07/2003-12/2005 ”Assegno di ricerca”, Dept. Astronomy and Space Science, Florence
2. 01/2006-07/2008 INAF Post-doc fellowship 2005
3. 07/2008-08/2009 ”Assegno di Ricerca” , INAF, Osservatorio di Arcetri & INOA
4. 09/2009–to date ”Assegno di Ricerca” , INAF, Osservatorio di Arcetri

Observational experience:

MMT (Multiple Mirror Telescope) 6.5 m, Arizona, USA: Hectospec spectrograph

VLT (Very Large Telescope) 8.2 m, ESO, Cile: FORS1, FORS2, UVES, FLAMES spectrographs

Gemini-North e Gemini-South Telescopes 8 m, Hawaii (USA) and Chile: GMOS spectrographs

WHT (William Herschel Telescope) 4.2 m, La Palma, Spain: ISIS e AF2 spectrographs

TNG (Telescopio Nazionale Galileo) 3.5 m, La Palma, Spain: DOLORES spectrograph

INT (Isaac Newton Telescope) 2.5 m, La Palma, Spain: WFC panoramic camera

NOT (Nordic Telescope) 2 m, La Palma, Spain: ALFOSC camera

Publications on peer-reviewed journals:

1. A search for planetary nebulae in M33
Magrini, L., Corradi, R. L. M., Mampaso, A., Perinotto, M., 2000, A&A, 355, 713
2. Accurate positions of candidate planetary nebulae in M 33
Magrini, L., Cardwell, A., Corradi, R. L. M., Mampaso, A., Perinotto, M., 2001, A&A, 367, 49
3. New candidate planetary nebulae in M 81
Magrini, L., Perinotto, M., Corradi, R. L. M., Mampaso, A., 2001, A&A, 379, 90
4. The Local Group Census: planetary nebulae in Sextans B
Magrini, L., Corradi, R. L. M., Walton, N. A., Zijlstra, A. A., Pollacco, D. L., Walsh, J. R., Perinotto, M., Lennon, D. J., Greimel, R., 2002, A&A, 386, 869
5. Spectroscopy of planetary nebulae in M33
Magrini, L., Perinotto, M., Corradi, R. L. M., Mampaso, A., 2003, A&A, 400, 511
6. The Local Group Census: planetary nebulae in IC10, Sextans A and Leo A
Magrini, L., Corradi, R. L. M., Greimel, R., Leisy, P., Lennon, D.J., Mampaso, A., Perinotto, M., Pollacco, D.L., Walsh, J.R., Walton, N.A., Zijlstra, A. A., 2003, A&A, 407, 51
7. Chemical abundances of Planetary Nebulae in M 33
Magrini, L., Perinotto, M., Mampaso, A., Corradi, R. L. M., 2004, A&A, 426, 779
8. The Local Group Census: planetary nebulae in the spheroidal galaxies NGC147, NGC185 and NGC205
Corradi, R.L.M., **Magrini, L.**, Greimel, R., Irwin, M., Leisy, P., Lennon, D.J., Mampaso, A., Perinotto, M., Pollacco D.L., Walsh, J.R., Walton, N.A., Zijlstra A.A., 2005, A&A, 431, 555
9. Planetary nebulae in the dwarf galaxy NGC6822: I. Detection of new candidates
Leisy, P., Corradi, R.L.M., **Magrini L.**, Greimel R., Mampaso A., Dennefeld M., 2005, A&A, 436, 437
10. The Local Group Census: searching for PNe in IC1613, WLM and GR8
Magrini, L., Corradi, R.L.M., Greimel, R., Leisy, P., Mampaso, A., Perinotto, M., Walsh, J. R., Walton, N. A., Zijlstra, A. A., Minniti, D., Mora, M., 2005, MNRAS, 361, 517
11. The chemical content of nearby galaxies from planetary nebulae and HII regions: Sextans A and B
Magrini, L., Leisy, P., Corradi, R.L.M., Perinotto, M., Mampaso, A., Vilchez, J., 2005, A&A, 443, 115
12. NGC147: the chemical content of nearby galaxies from planetary nebulae
Goncalves D., **Magrini L.**, Leisy P., Corradi R., 2007, MNRAS, 375, 715
13. The building up of the disk galaxy M33 and the evolution of the metallicity gradient
Magrini L., Corbelli, E., Galli D., 2007, A&A, 470, 843
14. The metallicity gradient of M33: chemical abundances of HII regions
Magrini, L., Vilchez, J., Mampaso, A., Corradi, R.L.M., Leisy, P., A&A, 470, 865
15. The S2N2 metallicity calibrator and the abundance gradient of M 33
Viironen, K., Delgado-Inglada, G., Mampaso, A., **Magrini, L.**, Corradi, R. L. M., 2007, MNRAS, 381, 17192.
16. Discovery in IC10 of the farthest known symbiotic star
Goncalves D., **Magrini, L.**, et al., 2008, MNRAS, 391, 84
17. The evolution of the Galactic metallicity gradient from high-resolution spectroscopy of open clusters
Magrini, L., Sestito, P., Randich, S., Galli, D., 2009, A&A, 494, 95

18. Enhanced Production of Barium in Low-Mass Stars: Evidence from Open Clusters
D’Orazi, V, **Magrini, L.**, Randich, S., Galli, D., Busso, M., Sestito, P., 2009 ApJ, 693, 31
19. The Planetary Nebula Population of M33 and its Metallicity Gradient: A Look Into the Galaxy’s Distant Past
Magrini, L., Stanghellini, L., Villaver, E., 2009 ApJ, 696, 729
20. IC10: the history of the nearest starburst galaxy through its Planetary Nebula and HII region populations
Magrini, L., Goncalves, D. R., 2009, MNRAS, 398, 280
21. Metal production in M33: space and time variations
Magrini, L., Stanghellini, L., Corbelli, E., Galli, D., Villaver, E., A&A, 512, A63
22. The Chemical Evolution of IC10
Yin, J., **Magrini, L.**, Matteucci, F., Lanfranchi, G. A., Gonçalves, D. R., & Costa, R. D. D. 2010, A&A in press, arXiv:1005.3500
23. Young stellar clusters and associations in M33
Grossi, M., Corbelli, E., Giovanardi, C., & **Magrini, L.** 2010, A&A, in press, arXiv:1006.1281
24. The population of planetary nebulae and HII regions in M81: a study of radial metallicity gradients and chemical evolution
Stanghellini, L., **Magrini, L.**, Villaver, E., & Galli, D. 2010, A&A, in press, arXiv:1006.4076