

# CURRICULUM VITAE

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## MAIN FIELDS OF RESEARCH

Galaxy formation and evolution. Observational studies of galaxy clusters and groups at low and high redshift. Environmental effects on galaxy evolution. Stellar populations.

## CURRENT POSITION

- **Researcher** at the **INAF-Osservatorio Astronomico di Padova** since 24.12.1997.

## CURRICULUM STUDIORUM AND POST-DOCS

- **Master Degree in Physics** at the **University of Pisa** (1991).
- **PhD in Astronomy** at the **University of Padova** (1995).
- **Post-Doc Fellow** at the **Kapteyn Instituut, University of Groningen, NL** (3.1995-9.1996)
- **Research Associate (Post-Doc)** at the **Institute of Astronomy, University of Cambridge, UK** (10.1996-9.1998)

## HONOURS AND AWARDS

- **Friedrich Wilhelm Bessel Research Award** of the **Alexander von Humboldt Foundation** 2006.  
<http://www.humboldt-foundation.de/web/bessel-award.html>
- IAU member since 2000.

## SEMINARS AND CONFERENCES

Invited speaker at ~ 30 international conferences, including conference summaries, opening talks and plenary sessions.

Invited speaker for ~ 35 seminars and colloquia at foreign and national institutes.

Scientific Organizing Committee of 12+ conferences.

## FUNDING

- **National PI:** "Star formation in galaxy superclusters with GALEX", **Italian Space Agency (ASI)** (2011)
- **National PI:** "IR studies of clusters of galaxies from  $z=3$  to  $z=0$ ", **ASI** (2008-2011)
- **National PI:** "Galaxies in clusters and groups at redshift=0.5-1", **PRIN-INAF** (2007/2008)
- **National PI:** "Galaxy evolution: dense environments at high redshifts", **FIRB-** Italian Ministry of Education (2004-2007)
- **Local PI:** "Physical and evolutionary properties of galaxy clusters at different wavelenghts" (National PI: I. Gioia), **PRIN-INAF**. (2003-2004)
- **PI** of the programme "Galaxy evolution in clusters", **Consiglio Nazionale delle Ricerche**. (2001)

## MANAGEMENT OF INTERNATIONAL SCIENTIFIC PROGRAMMES

- **Principal Investigator of "WINGS: A Wide-field Nearby Galaxy-clusters Survey"**, co-PI **G. Fasano**, that has obtained over 100 telescope nights on 7 telescopes in both emispheres.
- **Science Working Group Coordinator on "Nearby Galaxies" for Euclid**, P.I. Yannick Mellier
- **Science Working Group Coordinator on "Detailed studies of the group population" for XXL**, P.I. M. Pierre
- **Responsible for the spectroscopy of EDisCS (ESO Distant Cluster Survey, P.I. Simon White)**. 23nights with FORS2/VLT.

## COMMITTEES, COMMISSIONS AND OTHER SERVICES

- Member of the National Scientific Council of INAF since october 2011.
- Elected member of the Macroarea I Committee (Galaxies and Cosmology) of INAF, july 2011.
- Panel Chair (Category A: Cosmologia) of the ESO Observing Programmes Committe (OPC) 2010-2011
- Reviewer for OPTICON TAC (2012A)
- Italian Representative in the ESO Users Committe. 2006-2010
- Reviewer for the Agence Nationale de la Recherche (France) 2010 and for the American National Science Foundation Research Program, 2004.
- Member of the Time Allocation Committee of the Galileo telescope 2003-2005. 2003-2005
- Member of the Referee Committee of the Subaru Telescope. 2003-2004.

## ONGOING TEACHING

– Course on “Cosmic structures and radiation backgrounds” for the Laurea Magistrale in Physics at the University of Padova (40 hours).

– Course on “Galaxy formation and evolution” for the PhD School in Astronomy, University of Padova (16 hours).

Over the years, supervisor of about 10 Post-Doc fellows and 5 PhD students.

## PUBLICATIONS

First author of 17 refereed publications, with an average of 113 citations/publication on refereed journal. Author of  $\sim 90$  refereed publications, with an average of 52 citations per publication, + another 50+ conference papers. H index = 33, h1 (first author) index = 13.

Some selected first author publications:

- \*) *The evolution of the density of galaxy clusters and groups: denser environments at higher redshifts*  
Poggianti, B.M., De Lucia, G., Varela, J., Aragon-Salamanca, A., Finn, R., Desai, V., von der Linden, A., White, S.D.M., 2010, MNRAS, 405, 995
- \*) *The evolution of spiral, S0 and elliptical galaxies in clusters*  
Poggianti, B.M., Fasano, G., Bettoni, D. and other 10 authors, 2009, ApJLetters, 697, L137
- \*) *The environments of starburst and post-starburst galaxies at  $z = 0.4 - 0.8$*   
Poggianti, B.M., Aragon-Salamanca, A., Zaritsky, D., De Lucia, G., Milvang-Jensen, B., Desai, V., and other 13 authors, 2009, ApJ, 693, 112
- \*) *The relation between star formation, morphology and local density in high redshift clusters and groups*  
Poggianti, B.M., Desai, V., Rose, F., Bamford, S., De Lucia, G., Varela, J., Aragon-Salamanca, A., Halliday, C., Noll, S., Saglia, R., and other 10 authors, 2008, ApJ, 684, 888
- \*) *The evolution of the star formation activity in galaxies and its dependence on environment*  
Poggianti, B.M., von der Linden, A., De Lucia, G., Desai, V., Simard, L., Halliday, C., Aragon-Salamanca, A., Bower, R., Varela, J., Best, P., Clowe, D.I., Dalcanton, J., Jablonka, P., Milvang-Jensen, B., Rudnick, G., Saglia, R., White, S.D.M., Zaritsky, D., 2006, ApJ, 642, 188
- \*) *A comparison of the Galaxy Populations in the Coma and Distant Clusters: The Evolution of  $k+a$  Galaxies and the Role of the Intracluster Medium*  
Poggianti, B.M., Bridges, T.J., Komiyama, Y., Yagi, M., Carter, D., Mobasher, B., Okamura, S., Kashikawa, N., 2004, ApJ, 601, 197
- \*) *A photometric and spectroscopic study of galaxies in the Coma cluster - III Spectral ages and metallicities.*  
Poggianti, B.M., Bridges, T.J., Mobasher, B., Carter, D., Doi, M., Iye, M., Kashikawa, N., Komiyama, Y., Okamura, S., Sekiguchi, M., Shimasaku, K., Yagi, M., Yasuda, N., 2001, ApJ, 562, 689
- \*) *Optical spectral signatures of dusty starburst galaxies.*  
Poggianti, B.M. & Wu, H., 2000, ApJ, 529, 157
- \*) *The star formation histories of galaxies in distant clusters.*  
Poggianti, B.M., Smail, I., Dressler, A., Couch, W.J., Barger, A.J., Butcher, H., Ellis, R.S., Oemler, A., 1999, ApJ, 518, 576
- \*) *K and evolutionary corrections from UV to IR.*  
Poggianti, B.M., 1997, A&AS, 122, 399