

Carlos Eduardo Barbosa

Curriculum Vitae

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Rua Dr. Ignácio Proença de Gouveia, 734
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Education

2012

Ph.D. in progress in Astronomy
IAG/USP, Brazil

Title: *Kinematics and Stellar Populations of Nearby Groups and in the core of the Hydra I Cluster*

Advisor: Cláudia Lúcia Mendes de Oliveira

Funding: FAPESP, Brazil

2009 - 2011

Master's Degree
IAG/USP, Brazil

Title: *Photometry, decomposition and correlations for nearby spiral galaxies of GHASP*

Advisor: Cláudia Lúcia Mendes de Oliveira

Funding: CNPq and FAPESP, Brazil

2005-2009

Bachelor's Degree
Institute of Physics/USP, Brazil

Undergraduate Research in Theoretical Biophysics

Title: *The role of anesthetic on neural signal propagation and the cellular membrane thermomechanic properties*

Advisor: Carla Goldman

Funding: CNPq, Brazil

Languages: Portuguese (native language), English (advanced), French (basic)

Research Interests

- Structural properties of spiral galaxies and light decomposition.
- Galaxy formation and evolution in groups and clusters.
- AstroInformatics and AstroStatistics.
- Photometric Surveys
- e-Science

Software Expertise

- Data reduction in IRAF (advanced)
- Programming experience in Python (advanced) and C (basic)
- Pyraf (advanced)
- GALFIT, GIM2D
- SExtractor

Participation in Events

2010 – *Does light trace mass?*

C. E. Barbosa, C. Mendes de Oliveira, P. Amram, H. Plana, F. Ferrari
I School on Instrumentation for Astronomy and Organic Electronics

2009 – A simple model to the propagation of neural signals through sound waves

C. E. Barbosa, C. Goldman
V Symposium of the Institute of Physics

Internships

10/2012 – Research collaboration at ESO, Santiago, Chile

07/2012 – Research collaboration at University of Birmingham, England

07/2010 – Research collaboration at Laboratoire d'Astrophysique de Marseille, France