



Summary of selection procedure announcement DD n. 27 /2011

Call Type: Open call for a two year (renewable for one year) research grant; selection procedure by qualifications and possible interview.

Full call title: Selection procedure by qualifications and possible interview for the assignment of one two-year research grant renewable for one year in the framework of the ERC Starting Grant Project CosmoIGM called “Physical properties of the Intergalactic Medium”

Scope of grant: ERC Starting Grant Project CosmoIGM called “Physical properties of the Intergalactic Medium”

Research Project Title: Physical properties of the Intergalactic Medium

Research Project: The research project consists in the study of high- and low- redshift Intergalactic Medium (IGM), in its numerical modelling using cosmological hydrodynamic simulations. The successful candidate will work in close collaboration with Dr. Matteo Viel and with other members of the Cosmology group of the Astronomical Observatory of Trieste in the framework of the project CosmoIGM recently granted by the EU. Research includes comparison with spectroscopic data at high, low and medium resolutions (UVES, SDSS, and X-Shooter), with particular emphasis also to future instruments being developed with the participation of teams of Trieste Observatory (i.e. ESPRESSO and CODEX). The successful candidate may possibly join also BOSS (SDSS-III) collaboration to investigate the IGM as a Large Scale Structure tracer at high redshift. Further scientific questions can be sent to Matteo Viel (e-mail: viel@oats.inaf.it).

Host Institution: The research activity will be performed at INAF-Astronomical Observatory of Trieste, Italy

Deadline: 30 June 2011

Budget: gross annual salary Euro 29,640.00

Requirements for participation: degree in Astronomy or in Physics, Ph.D degree if available, and a detailed CV enabling assessment of scientific and professional experience’s relevance to the scientific project. Foreign Ph.D certificates or other academic qualifications will be assessed by the Selection Committee. The duration of the degree course in Astronomy or Physics at foreign Universities must be of at least four years.

Evaluation procedure: the selection procedure is based on a comparative evaluation of submitted qualifications and professional experience of applicants. Eligible applicants will be interviewed

Details and application forms can be found at

- 1) <http://adlibitum.oats.inaf.it/viel/cosmoIGM/IGMpostdoc.pdf>
- 2) (alternative link) <http://www.oats.inaf.it/bandi-concorso> DD 27/2011 (english and italian versions)
- 3) http://www.inaf.it/struttura-organizzativa/dsr_1/alta_formazione/assegn_i_ricerca/assegn_i/2011/oats-adr-27-2011/DD%2027%20oats-adr%20ERC%20IGM.pdf (Italian version)