



VACANCY NOTICE

Date of issue: October 19th, 2011

POSTDOCTORAL POSITION TO WORK ON A TROPICS-EXTRATROPICS INTERPLAY AND ENSO LONG-LEAD FORECASTING PROJECT.

REFERENCE: IC3-UDIC-2011-01

LOCATION: IC3 headquarters in Barcelona, Catalonia, Spain

ENVIRONMENT: IC3 is a newly established climate institution settled by the Government of Catalonia and the University of Barcelona, aiming at understanding future climate change and the dynamics and theory underlying those changes. It has also as main interests the accurate simulation of the interplay between climate and the biosphere and its feedbacks and the development of seasonal-to-decadal predictability capacities. In addition to studying processes at the global scale, IC3 will focus on the Mediterranean regions, tropical Africa, South America and SE. Asia. IC3 will have a body of 100-125 scientists in 8-10 years and a total staff around 200 people. Working languages of IC3 are English, Catalan and Spanish. For details, see www.ic3.cat.

The conditions for enrolment are detailed below.

DESCRIPTION AND MAIN DUTIES OF THE POSITION:

The research work is part of a multi-disciplinary effort conducted to increase our understanding of the environmental conditions and changes taking place in the high latitudes of both hemispheres and their role in the modulation of global climate variability. A particular focus of the candidate's work is expected to center on investigating the role of ENSO in the modulation of high-latitude climate and the usefulness of extratropical predictors in the forecasting skill of El Niño. The work of the candidate will be centred along the following research lines:

- a) The study of the interaction between the tropical Pacific and the extratropical regions of the North and South Pacific and the Indian Ocean. The dynamics of these interactions should be conducted with both observational products and the most up-to-date suite of dynamical and statistical climate models.
- b) To design, perform and analyse numerical simulations with an atmosphere-ocean-sea ice model, with the aim of investigating sea-ice processes in both the Arctic & Antarctic Oceans and their role in the modulation of global climate variability and change.



REQUIREMENTS: The applicants are expected to hold a PhD in geophysics, physics, meteorology or oceanography. Interest and expertise in the role of both sea ice and high latitudes in the climate system is a precondition as well as a thorough knowledge of Unix, Fortran90, high-level scripting languages, and visualization tools.

REMUNERATION: Salary will be commensurate with Spanish standards for postdoctoral contracts, starting at S12 (29.000 €/year) but higher scales might be considered for exceptional candidates. Possibility of extending the contract beyond the three years will be possible on the basis of exceptional achievements, and tenure-track possibilities may be considered only after evaluation by the Scientific Advisory Board of the Institute at the termination of the contract.

A tax free food allowance of about 1.320 €/year is also offered.

LENGTH OF CONTRACT: Three years, renewable.

STARTING DATE: The position starts preferably in January-February 2012, or as soon as possible after that date.

APPLICATIONS: The application form and aptitude test should be downloaded from IC3's website www.ic3.cat. Applicants should fill in the application form and the aptitude test and email both to jobs@ic3.cat, indicating IC3-UDIC-2011-01 on the "Subject".

Selected final candidates should ask for three letters of recommendation from scientists from places other than their current workplace. A letter from the PhD advisor is encouraged. Possibility for an immediate incorporation will be strongly considered. These letters should be addressed to jobs@ic3.cat. IC3 is an equal opportunity employer.

Calls are open until filled. IC3 will notify the selected candidates as soon as possible.

CLOSING DATE: Applications will be accepted until the position is filled, and the evaluation of first candidates will start on December, 2011. Please, check at IC3's webpage the link for the status of the offer.