



VACANCY NOTICE

Date of issue: January 21th 2010

Two Epidemiologist contracts (PostDoc level) at the Climate Dynamics and Impact Unit (UDIC) - IC3 (Barcelona).

LOCATION: IC3 headquarters in Barcelona, Catalonia, Spain

ENVIRONMENT: IC3 is a newly established climate institution settled by the Government of Catalunya 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.

Within IC3, the Unit for Climate Dynamics and Impacts (UDIC) focus on the improvement of the simulation of climate impacts, particularly climate effects on health, energy, food and the water cycle. UDIC is now seeking for two highly motivated young scientists for the working group of climate-driven diseases. Candidates are expected to take the lead in developing next generation of models for Vector-Borne diseases (VBD) and Airborne diseases (ABD), respectively. The conditions for enrolment are detailed below:

DESCRIPTION AND MAIN DUTIES OF THE POSITIONS:

a) IC3-UDIC-2010-03: Two year (1+1) post-doctoral contract for improving VBD models in the framework of a recently funded European project. The project seeks to generate accurate seasonal-to-decadal changes in the incidence of malaria, Rift Valley fever and Schistosomiasis in African countries and the candidate is expected to collaborate with the Climate Forecasting Unit of the institute, which takes the lead in the generation of climate projections. Flexibility for travelling to Africa and the US when needed will be also valued.

b) IC3-UDIC-2010-04: Two-year (1+1) post-doctoral contract for developing and improving mathematical models for waterborne and airborne diseases, in the framework of a recently funded European project and from funds from a Private Foundation. The candidate will set up a line of research in dynamical models for viral diseases in Europe, South America and the US. Flexibility in travelling to those places is a requirement. The



candidate is expected to collaborate with the CFU of the institute, which takes the lead in the generation of climate projections.

REQUIREMENTS:

a) IC3-UDIC-2010-03: Skill and demonstrated ability and experience in building, calibrating and in the validation of mathematical models (ODE,...) for malaria and similar category of diseases. Experience in handling large databases and in programming languages needed for developing code and scripts, as well as proven skills in advanced statistics is a strong requirement. Capacity to write proposals, manuscripts and to work with other colleagues in a highly collaborative environment will also be valued.

b) IC3-UDIC-2010-04: Skill and demonstrated ability and experience in building, calibration and validation of mathematical models (ODE,...), especially for viral diseases. Experience in handling large databases and in programming languages needed for scripts, and proven skills in advanced statistics are required. Capacity to write proposals, manuscripts and to work with other colleagues in a highly collaborative environment will be valued.

REMUNERATION: Salary will be commensurate with Spanish standards for postdoctoral contracts. Possibility of extending the contract beyond the two 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.

LENGTH OF CONTRACT: Two years (1+1), renewable.

STARTING DATE: The position starts preferably during the first quarter of 2010, 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-2010-03 and/or IC3-UDIC-2010-04 on the "Subject".

Selected final candidates should ask for three letters of recommendation from scientists from places other than their current workplace. 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 22th February 2010. Please, check at IC3's webpage the link for the status of the offer.