



eventLAB  
Neuroscience  
& Technology



## Postdoctoral Research Positions

### Experimental Virtual Environments for Neuroscience and Technology (EVENT) Lab

University of Barcelona, Spain

1<sup>st</sup> September, 2011

[www.event-lab.org](http://www.event-lab.org)

We are seeking an applicant for a position in our group that carries out research in virtual reality, with applications in aspects of neuroscience and psychology. It is a postdoctoral research assistant position that requires a PhD in Computer Science or equivalent. The position is available under the European project BEAMING ([www.beaming-eu.org](http://www.beaming-eu.org)).

The working language of the group is English, and a good command of English is essential – this includes both spoken and written English.

The Applicant should have the following type of profile:

#### Computer Graphics and Virtual Reality

The ideal applicant will have a strong background in computer graphics and/or virtual reality systems. The specific areas of research of interest are:

- real-time animation of characters in virtual reality including real-time facial animation and controlling the facial movements and behaviours of a character in a virtual reality environment.
- new forms of interaction in virtual environments including body centred interaction and Brain-Computer Interface control
- haptic feedback, including understanding human response to haptics.

Good knowledge of computer graphics programming techniques, including graphics card programming is an essential requirement for the position.

#### Facilities

The group has access to a wide range of equipment. A high resolution 4-sided Cave system has just been installed. We have two high resolution wide field of view head-mounted displays with the associated tracking systems including three full body motion capture systems and a marker based facial expression tracking system, physiological and EEG recording systems, and systems for vibrotactile haptic feedback.

There is no specific closing date, but CVs should be sent as soon as possible to Mel Slater [melslater@ub.edu](mailto:melslater@ub.edu), from whom further information can be obtained. The CV (**PDF only**) should include previous experience, publications, and the names and contact details of two referees. The salary range will be between 30,000€ to 42,000€ depending on experience.

Contact: Mel Slater, [melslater@ub.edu](mailto:melslater@ub.edu).