



The research group **Measure, Model, and Manage Bioresponses (M3-BIORES)** headed by **Prof. Daniel Berckmans** in Catholic University of Leuven (Belgium) is one of the leading groups in monitoring and control of bioresponses. The research objective is to measure on-line biological responses of living organisms and to predict their dynamic response in order to monitor and control their well being, health and performance.

Currently, there exists an open position as:

### **EARLY STAGE RESEARCHER (MAX. 4 YEARS EXPERIENCE)**

The title of the project is: **'Training in Research, Product Development, Marketing and Sales in Biobusiness'** in EU's 7<sup>TH</sup> FRAMEWORK PROGRAMME: MARIE CURIE INITIAL TRAINING NETWORKS (MORE INFO: [WWW.BIO-BUSINESS.EU](http://WWW.BIO-BUSINESS.EU)).

#### **Project description and tasks:**

Biobusiness project (Grant agreement no.: 238296) has the objective to train people with a biological background in research and development to realise high-tech products. The products aimed for are close related to 'Precision Livestock Farming': measuring real time signals (sound and image information, sensors on animals) and using this information for health and welfare monitoring. The project is set up and conducted in close collaboration with 7 European Universities and Institutions and 3 commercial companies. The total project recruits 11 early-stage researchers where 6 of them will work on collection of data from experimental installations and field experiments, 3 of the researchers will work on product development and 2 will work on developing algorithms and modelling of the collected data. The actually offered position here is for the modeller. You will work in an international environment within a research lab and will be travelling for minimum 1 month to one of the other project partner institutions.

#### **Profile and skills:**

You have finished your university training (master's degree) with good results and have less than 4 years of experience in research. Your background is in bio-engineering, civil engineering, electrical engineering, applied mathematics or computer science, preferably with a strong interest in biology. You are not a citizen or you have not resided or carried out your main activity (work, studies, etc.) in Belgium for more than 12 months during the previous 3 years. You are creative and like to take initiative. You have the ambition to finish a PhD. You are comfortable working by yourself as well as in a team. You have a good knowledge of English language. Knowledge of Matlab programming language is essential.

**Position:** Early Stage researcher (max. 4 years experience)

**Number of Open Positions:** 1

**Application Form:** Fellow 2 - Biobusiness Project Website ([www.bio-business.eu](http://www.bio-business.eu))

**Application Deadline:** 31/08/2010

**Duration:** 48 months

#### **Contact**

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