M.Res./Ph.D. Studentship for a Multidisciplinary Project on Plant Root Regeneration (Biology & Physics) at Imperial College London

Principal Supervisor: Dr. Giovanni Sena (Life Sciences)
First Co-supervisor: Dr. Chris Dunsby (Physics)
Second Co-supervisor: Dr. Colin Turnbull (Life Sciences)

A 4-year BBSRC DTP Studentship is available in the Department of Life Sciences at Imperial College London. The research project is titled "Quantitative Characterization of Root Tip Regeneration Through Light Sheet Microscopy", and it is a multi-disciplinary exploration combining root biology and advanced experimental optics.
In summary, this project will study the dynamics of cellular interactions during root regeneration in the plant model system *Arabidopsis* thaliana, both in optimal and sub-optimal environmental conditions. The general approach will be a combination of available molecular and genetic tools, innovative live imaging techniques and computational modelling.

The studentships will be offered on a 1+3 year basis (1 year for a M.Res. in Photonics followed by 3 years of Ph.D. research in the Laboratory of Plant Morphogenesis). The Master Course will start in October 2013 followed by the commencement of the PhD in October 2014.

Further information on the project:
http://www3.imperial.ac.uk/bbsrcdoctoraltrainingpartnership/phdprojects/roottipregeneration

Eligibility:
http://www3.imperial.ac.uk/bbsrcdoctoraltrainingpartnership/eligibility.
In summary, UK students are eligible for full fees and a student bursary to cover living. Some EU students may be eligible for both fees and bursary but most can only get the fees paid. Unfortunately, non-EU students are not eligible.
Applicant should have a first degree in either biology or physics.

Preliminary Enquires:
Dr. Giovanni Sena g.sena@imperial.ac.uk
Please provide a CV with contact details of two academic referees together with a one-page statement of your research interests and motivations. It is essential that in your CV you give the grades of all degrees and state your nationality (to check for eligibility).

The Laboratory of Plant Morphogenesis:
http://www3.imperial.ac.uk/plantmorphogenesis