

**Marie Curie PhD studentship – Epigenetics
Commencing Sept 2012
Anne Ferguson-Smith's laboratory
ITN programme**

The SEVENTH FRAMEWORK PROGRAMME OF THE EUROPEAN COMMUNITY offers
11 pre-doc positions (Early Stage Researcher)
and **1 post-doc position** (Established Researcher)
within the Marie Curie Initial Training Network **INGENIUM**.

The **INGENIUM** ITN brings together high-quality European researchers from both public and private sectors to train young researchers in the field of epigenetics associated with human disease. The main aim of the project is to **study physiology and pathology of imprinted genes to understand the role of epigenetic mutations in human disease**. Five parallel research strands will be followed:

- a) Epigenetic reprogramming & mechanisms for establishment of genomic imprints in germ cells;
- b) Role of histone methyltransferases and demethylases in the control of genomic imprinting;
- c) Regulatory mechanisms for the somatic maintenance of imprinting;
- d) Genetic, epigenetic and environmental factors affecting genomic imprinting in human disease;
- e) Genomic imprinting in stem cells and somatic cell reprogramming.

Training will be provided in both research and complementary skills, including a range of cutting-edge methodologies. Extensive interactions among participants will take place through exchange visits, network meetings, conferences and laboratory courses. Competitive salary is offered.

Participating PIs and SME are:

- Maria Pia Cosma, Barcelona, Spain,
- Robert Feil, Montpellier, France;
- Anne Ferguson-Smith, Cambridge, UK;
- Kristian Helin, Copenhagen, Denmark;
- Yves Le Bouc, Paris, France;
- Eamonn Maher, Birmingham, UK;
- David Sassoon, Paris, France;
- Didier Trono, Lausanne, Switzerland;
- Wolf Reik and Gavin Kelsey, Cambridge, UK;
- Andrea Riccio and Giovanna Grimaldi, Naples, Italy, www.igb.cnr.it;
- Diagenode, Liege, Belgium.

Candidates may be of any nationality, but must not have resided in the country of the hosting institution for more than 12 months in the 3 years immediately prior to recruitment, and should be fluent in English (spoken and written). The ESRs applicants are expected to be at the time of recruitment in their first 4 years of their research careers, have a Master's degree (or equivalent qualifications required for entrance into the PhD program of the respective institutions), and the ER to be in their first 5 years of their research career and have a doctoral degree, in the life sciences or any other relevant field. The start date of the contracts is expected to be September 1st, 2012. Duration of the contracts is 36 months for ESRs and 24 months for ERs. Further details on the application can be found in the websites of the hosting institutions and PIs.