



The Neuromics Marie Curie Early Stage Training site

hosted by the Center for Neurogenomics and Cognitive Research (CNCR)
in Amsterdam, The Netherlands
offers **7 Ph.D.-student positions** for young scientists in the field of Functional
Neurogenomics.

The program will provide in-depth expertise training as well as basic training to appropriately and systematically approach complex biological questions at different levels of analysis from genome up to behavior. There are strong technology-driven interactive elements between the various projects. The program is divided into two stages, a *Basic* (1 year) and an *Advanced* (3 years) program. Suitable candidates will be selected to follow the *Advanced* training program, with the possibility to receive a Ph.D.-degree. This integral training program ensures a good overview of the functional Neurogenomics field and its current developments.

Research projects

The research projects deal with the elucidation of gene/protein cascades and the dynamic properties of the encoded proteins involved in complex behavior. Genotype-phenotype relationships important for the functioning of the brain will be established, allowing discovery of genes underlying neurological disorders in humans. Trainees will become familiar with techniques ranging from gene discovery through gene- and protein profiling, expression cloning and genetic linkage analysis, to visualization of gene products by multiple cellular imaging techniques. The experiments will be performed on cell-lines, cell or organotypic cultures from rodent brain or patient material.

The 7 projects are part of two research topics that deal with specific aspects of basic and disease models of synaptic functioning (*Protein cascades at the synapse*, and *Synaptic protein cascades in models of disease*). Find projects descriptions at: www.cncr.nl

Who can apply?

Candidates should have a MSc-degree* in Biology, Biochemistry (or comparable), preferably with a background in neuroscience, molecular biology or genetics. Eligible candidates come from EC-member or associated states^{°¶}, excluding The Netherlands[#]. Also, those who have carried out work or studies for more than 12 months in the Netherlands are not eligible. *Candidates from other countries (e.g. USA, India, Japan) can not be considered for these positions.*

* Candidates should be in the first 4 years after obtaining their degree, and may **not** have a doctorate degree.

[°] Member states: Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, The Netherlands, Poland, Portugal, Slovak Republic, Slovenia, Spain, Sweden, United Kingdom

Associated states: Bulgaria, Romania, Turkey, Iceland, Israel, Liechtenstein, Norway, Switzerland

[¶] The only eligible candidates from non-EC-member/associated countries are those who have resided within a EC-member/Associated state (except the Netherlands) for at least 4 years during the last 5 years to carry out work or studies.

[#] The only eligible Dutch candidates are those who have resided outside the Netherlands for at least 4 years during the last 5 years to carry out work or studies.

Please send applications, including C.V., 2 reference letters, a short description of your rotation project(s) to:

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Please specify 2-3 projects of your choice!
(see descriptions at www.cncr.nl)