

Programme "Marie Curie Initial Training Network"

In the framework of the Initial Training Network (ITN) project:

“Training network on protective immune modulation in warm water fish by feeding glucans (NEMO)”

the European Community is providing fellowships for young researches to be held at the Institute of Ichthyobiology and Aquaculture of the Polish Academy of Sciences, starting January 3rd, 2009.

Content of Work.

The scientific aim of NEMO is to establish optimum protocols for the use of β glucans in the strategic improvement of fish health. This will entail the formulation and structural modification of β glucans to assess how they affect the innate immune response and how this might be maximised as an immuno-stimulant in the warm water aquaculture and aquaria sectors.

The training aim of the Initial Training Network NEMO is the production of a young highly trained scientific group which will stimulate the development of a protection philosophy to disease, which is urgently needed in the European aquaculture and ornamental fisheries sector. NEMO will address these important European issues with a co-ordinated scientific and complementary skills programme incorporating the training expertise available in Universities, Research Institutes and Industry.

In this framework, the researchers are appointed specifically:

- To carry out research on β glucan effects on disease resistance and growth rate and to provide physiological analysis of the response induced by β glucans.
- To validate the β glucan effect under routinely applied carp production system: field trials, effect on fitness, growth rate and genotype/age/environment interactions.

To be eligible for the appointment the young researchers must meet all of the following conditions:

- To be in the first four years (full-time equivalent) of their research careers, starting at the date of obtaining the degree which would formally entitle them to embark on a doctorate, either in the country in which the degree was obtained or in the country in which the research training is provided, irrespective of whether or not a doctorate is envisaged.
- They must not be Polish and must not have carried out their normal activities in Poland for more than 12 months in the 3 years immediately prior to the date of selection by the host institution. Short stays such as holidays are not taken into account.

Duration of fellowships:

- Periods of 3 to 36 months

The fellowships includes:

- living and mobility allowance of 1030 or 2100 Euros per month which includes any social charges and pension costs related to the appointments,
- reimbursement of travel costs to home according to the distance from the host institution (up to 1000 Euros), once per period of 12 months of stay in the host institution,
- career exploratory allowance up to 2000 Euros with the stay of at least one year in the host institution.

Background in biology, fish genetics or immunology is required. Applications should contain:

- Curriculum vitae
- List of publications (if any) and copies of the most important ones
- One recommendation letter
- Short description of main fields of interests

and should be sent within November 30 2008 to

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