

ITALIAN SCIENTISTS AND SCHOLARS OF NORTH AMERICA FOUNDATION (ISSNAF)

Request for Applications for a Two-Year Fellowships in Bio-fuels Research Sponsored by ENI-Italy

PROGRAMME:

This is a post-doctoral fellowship in algal genomics, biochemistry or molecular biology to be conducted at the University of California, San Diego (UCSD). To make algae-based biofuels a reality, scientists will need to apply knowledge drawn from multiple scientific disciplines. As a way to facilitate and foster the necessary interface among diverse areas of science, the ENI-UCSD fellow will be encouraged to work on a collaborative project between labs. These studies might include genomic analysis of algal species, molecular genetic analysis of algal gene expression, or proteomic and metabolomic analysis of algae proteins and metabolites. Special emphasis will be placed on understanding the production of biofuel molecules in algae, especially fatty acids, as these molecules are precursor of the main algae biofuel, biodiesel.

ELIGIBILITY:

The candidate should have a Ph.D. in molecular biology, cell biology or chemical biology and a keen interest in biofuel production from algae.

STYPEND:

50,000 USD per year.

REVIEW BOARD:

The applications will be evaluated by the Scientific Advisory Board for Biology and Medicine

REPORTING AND ACKNOWLEDGEMENT OF SUPPORT:

At the end of the fellowship, candidates have to submit to ISSNAF a summary of their research and publications, and a plan for the future.

Any publication arising from work supported by the grant should acknowledge the ITALIAN SCIENTISTS AND SCHOLARS OF NORTH AMERICA FOUNDATION (ISSNAF).

APPLICATION INSTRUCTIONS

General instructions

Applications have to be written in English and must be legibly typed in standard type size (12 point) with margins of at least one inch.

1. Cover page

The form below must be filled out, and attached to the front of the application.

2. Summary (*1/2 page or less*)

Describe the primary objective of the proposed research, the key components of the research design, and its significance in general terms.

Describe how the experience in a US laboratory will enhance your project.

3. Other Support

On a separate page, list all other sources of active or pending internal and external support for the PI and other key personnel. For each, give the title, sponsor, role of the PI on the project, funding period, annual direct costs, percent effort by the PI, and the goals of the project. Describe the relationship of each to the current proposal. In cases in which existing funding appears to be similar to the proposed project, take special care to explain the differences.

5. Biographical sketch (*not to exceed 4 pages*)

Provide a biographical sketch. List education, positions and honors, selected peer-reviewed publications, and research support ongoing and completed in the last three years.

6. Research Plan (*Up to 5 single-spaced pages for Items A.-D. Proposals may not exceed that length*)

Applicants should include the following sections in their proposal:

A. Specific Aims (*half page recommended*)

List the broad, long-term objectives and what the specific research proposed in this application is intended to accomplish.

B. Background and Significance (*2 page limit*)

Briefly sketch the background to the present application and identify the gap(s) that the project is intended to fill. State the importance and relevance of the research described in this application.

C. Preliminary Studies

Describe the work you have performed so far (if any).

D. Research Design and Methods

Describe the research activities to be carried out under the award. State your research design, and explain how it will allow you to address the question(s) and hypotheses of interest. Explain what obstacles you might encounter and how you might overcome these.

All substantive description of the project (including tables, graphics, etc.) must be contained within the proposal itself.

If the applicant does not have yet a specific Research Plan, he/she should state so.

7. **Bibliography** (*not to exceed 2 pages*)

APPLICATION SUBMISSIONS

All applications have to be submitted before **September 30, 2008**.

The Scientific Adviser Board will select a winner by **October 31, 2008**.

Starting Date of Fellowship: **January 1, 2008**

All applications have to be e-mailed to:

Vito M. Campese, M.D.
1200 North State Street
Los Angeles, CA 90033
campese@usc.edu
Phone: 323-226-7307

**ITALIAN SCIENTISTS AND SCHOLARS OF NORTH
AMERICA FOUNDATION (ISSNAF)**

**Fellowship 2008-2010
Application Cover Page**

1. Applicant:

Name:

Title/Rank:

Department/School:

University Address: _____

E-Mail:

Tel:

2. Title of Proposal: _____

3. Amount Requested: \$ _____

Applicant Agreement:

I agree to abide by the conditions and reporting requirements of ISSNAF

Applicant's Signature

Date