DBSV

UNIVERSITÀ DEGLI STUDI DELL'INSUBRIA
DIPARTIMENTO DI BIOTECNOLOGIE E SCIENZE DELLA VITA

Via J.H. Dunant, 3 – 21100 VARESE, ITALY
Segreteria Amministrativa
Tel.+39 0332 421.392- amministrazione.dbsv@uninsubria.it

Decree n. 006
on 30.01.2012

COMPETITION FOR COLLABORATION TO RESEARCH ACTIVITIES IN THE SCIENTIFIC AREA OF BIO 06 CUN 05/B2 ANATOMIA COMPARATA E CITOLOGIA

THE DIRECTOR

GIVEN art. 22 Law 30th December 2010 n. 240 which establishes, within financial resources, the assignment of fellowships for collaboration to research activities;
GIVEN Regulations concerning the assignment of Fellowships for collaboration to research activities (hereinafter Regulations) issued by Rector's decree n. 636 on 18th May 2011;
GIVEN Decree of Ministry Education, University and Research, n. 102 on 9th March 2011, which establishes the minimum amount;
GIVEN Extracted Council of Department of. 18/01/2012, approved the institution of a Fellowship of an yearly gross amount of **19.367,00** Euro, for the scientific area of BIO 06 CUN 05/B/2 Anotomia Comparata e Citologia lasting 1 years, Responsible Scientist prof. Rosalba Gornati;
AS the judging Commission suggested by the Professor Coordinator is made up as follows:
President prof. prof. Giovanni Bernardini, (SSD BIO/06), prof.ssa Rosalba Gornati (SSD BIO/06
VERIFIED that financial resources are available;

ORDAINS

Art. 1 - Object
A competition notice by qualifications is announced for the assignment of n. 1 Fellowship for collaboration to research activities lasting 1 years for the scientific area of BIO 06 CUN 05/B/2 Anotomia Comparata e Citologia to the Department of Biothecnologies and Life Sciences.
Title of research:
Development of a Nanoparticle-Enzyme System for Cancer Therapy

- Research Project: **Amici Università" (prof.ssa Gornati) e "Contratto PanLab Univ. Messina" (prof. Saroglia) del bilancio del Dipartimento**

Responsible Scientist prof. Rosalba Gornati

Among several systems that can be used in the treatment of cancer one of the oldest is based on oxidative stress caused by ROS production. A recent approach is to use the enzymes D-amino acid oxidase (DAAO) capable of generating ROS. The combination of DAAO with magnetic nanoparticles allow, through the application of a magnetic field capable to delivery selectively the enzyme in the tumor, an improvement of enzyme therapy killing the malignant cells by apoptosis.
The effectiveness of the nanoparticle system developed in our laboratory, Fe3O4 @ DAAO, was tested in vitro on different human tumor cell lines (ovarian cancer, and glioblastoma). The project now

provides in vivo testing of the system, monitoring, by NMR and electron microscopy, the tissue localization of the system Fe3O4 @ DAAO.

Art. 2 – General requirements

All those who have earned a degree in :

- Degree in life sciences or equivalent
- Degree in food preparations

Equivalent degree obtained abroad and recognized as equivalent to the Italian title.

Other requirements

Educational curriculum / includes scientific expertise in the synthesis of nano-systems

Abstracts and publications relevant to the title of the research

Candidates must meet absence of criminal record.

Applicants in possession of degrees earned abroad, who have not obtained the declaration of equivalence, will have to enclose in the application form a translation into Italian and declaration of value of the foreign degree by qualified Italian Diplomatic or Consular Representations in country of origin, according to Laws in force on the subject.

The degree earned abroad can be declared admissible, by the Judging Commission, only for purposes related to the selection.

Qualifications must be owned on the date of expiry established for the presentation of the application form.

Those who have already been awarded fellowships according to law n. 240 on 30/12/2010 for more than 4 years except for the period corresponding to PhD without scholarship within the maximum limit of the legal duration of the related course cannot participate in the selection. To the purpose of the duration of the fellowship periods spent on maternity leave or for health reasons are not relevant according to laws in force.

Art. 3 – Incompatibility

Employed staff in University and in other bodies as from art. 22 paragraph 1, Law 240 30th December 2010 can participate in the competition, but must resign in case of winning the Fellowship.

Civil Servants in different bodies from those mentioned in the paragraph above can be awarded the fellowship but must be put on leave without salary for the duration of the Fellowship.

The Fellowship is not compatible with registration in undergraduate courses, graduate courses, PhD with scholarship or with School of Specialization in medical area, in Italy or abroad and with registration in other School/Courses which require obligatory attendance and prevent from carrying out activities established in the contract.

Relatives and in-laws within the fourth degree included of a professor member of the Department or the Structure requiring the institution of the Fellowship, or of the Rector, the General Director or a member of Administrative Council of the University cannot participate in the competitions for the assignment of fellowships.

The Fellowship cannot be cumulated with scholarships anyway awarded except with those awarded by national or foreign institutions useful to integrate, by staying abroad, research activity of Fellows. The Fellowship cannot be cumulated with employed work, with contracts of collaboration or with income from free-lance activities, carried out in continuous way.

Art. 4 – Application and deadlines

Application forms in plain paper must be written according to the form enclosed in the competition notice they must be brought to the Department of Biothecnologie and Life Sciences - Università degli Studi dell'Insubria , via J.H. Duntant 3 -21100 Varese or sent by registered letter with return coupon attached (in this case the stamp and date of the post office will be considered) within the deadlines

20 february 2012 starting on the day after publication of this notice on the web sites of University, MIUR and European Union.

Application forms not signed or incomplete or sent after the deadline established will not be admitted.

The application form must enclose:

- degree with the final grade and list of each examination;
- curriculum of scientific activities and professional activity signed and dated;
- documents and qualifications they consider useful in this selection procedure (scientific qualifications, diplomas, scholarships, attendance of post-graduate courses, in Italy or abroad, grants or research assignments both in Italy and abroad);
- scientific publications specifying the date and place of publication or publisher's letter of acceptance;
- photocopy of the identity document valid.

On the envelope must be stated: Application for participation in the selection for the award of the **"Development of a Nanoparticle-Enzyme System for Cancer Therapy**

The University does not assume responsibility for the loss of documents due to errors in the addresses of the applicant or missed or late change of addresses given in the application, or any postal or telegraph, or which are attributable to third parties, if accident or force majeure.
In place of the original qualifications listed above and the other qualifications which require evaluation, can be self-certificated or presented in original copy or in photocopies by self-declaration in substitution of an act, according to D.P.R. n. 445 dated 28/12/2000 (*Enclosure 1*).
Foreign citizens residing in Italy can take advantage of self-described above, limited to situations of states, facts or personal qualifies that can be certified or supported by public officials or private Italian citizens (Article 3 of Presidential Decree n°. 445 dated 28/12/2000).
Foreign citizens who are not resident in Italy cannot take advantage, in any way, of the institution of self-certification (Article 3 of Presidential Decree n° 445 dated 28/12/2000).
The Administration reserves the right to verify the truth and authenticity of the declarations produced; in case of false declarations, the proceedings laid down in art. 76 of Presidential Decree n° 445 dated 28/12/2000.
Bonds, certificates and publications produced in a manner dissimilar than above will not be taken into account.
It is considered validly made only documents received within the time limit specified in the notice.
Not eligible for entry into the competition assessment of qualifications received or submitted after the due date of the notice.
It is not allowed to make reference to documents and publications previously submitted to other competitions for the participation at this or other administrations.
Candidates must provide their own cost to return titles and publications submitted for the selection, subject to agreements with the Department.

Art. 5 - Examining Committee

The examining Committee, consist of three professors or researchers of the same scientific area of fellowship research, among whom the Responsible Scientist as President, is as follows: :

- prof. Giovanni Bernardini, SSD BIO/06
- prof.ssa Rosalba Gornati SSD BIO/06

The Commission is required to complete its work within 90 days since deadline for presenting applications.

Art. 6 – Procedura selettiva
The selection process is based on qualifications and possible interview aiming at verifying the candidate's aptitude to fellowship research.
Disables candidates, according to Law n. 104/1992, should make a specific request for any assistance needed in order to take part in the interview.
To evaluate the candidate the Commission can use up to 70 points to divide up in following way:

- Scientific and professional curriculum: up to 50 points;
- Scientific publications: up to 20 points;

The results of the assessment of the qualifications will be made known to the candidates prior to interview.
For inclusion on the list, candidates must have achieved an overall score of at least 42/70. In the event that the Commission considers necessary for the integration of the interview, the assessment of itself can have a maximum score of 70/70 to achieve, where the candidates have not previously achieved this score.
In case of evaluation of equal rank preferential qualification for the assignment of the fellowship will be the PhD or equivalent degree earned abroad or, for the areas interested, the specialization in medical area completed by appropriate scientific production. In case of further equal rank, the youngest candidate will be preferred.
The Commission at the end of the interviews will publish the result of the total evaluation for each candidate and will form a ranking that will be put up on the notice board of the structure.
The final list is approved by the Director of the Department and will be posted on the website of the University and on the notice board of the University of notification to those concerned with value.
The merit ranking will be used in the case of the winning candidate not accepting the position or in the case of resignation; in the case, the position will be offered to the next candidate in the ranking, provided that the period proposed for the contract is not less than one year.

Art. 7 – Exclusion
Candidates are admitted conditionally.
Involves exclusion from the procedure:
1) the application submitted or sent after the final date of expiry of the notice;
2) failure to sign the autograph of the application form;
3) the lack of participation requirements;
4) the existence of situations of incompatibility.
The exclusion is provided with a motivated Director of the Department and shall be communicated to by registered.

Art. 8 – Waiver of the candidate for the procedure
The waiver of the candidate to participate in the procedure will be sent to the Director of the Department, via fax at n° +39 0332 421330-326 , using the enclosure 2.

Art. 9 – Contract of collaboration
The winner will be called to sign a temporary contract of collaboration to research activity drawn up under civil law, within a period specified, otherwise he/she will lose the right. This fixed-term contract does not represents, in any way, a permanent contract dependent work and does not give right to be admitted to permanent positions within University. The University provides equal opportunities between men and women.
The fellowship implies carrying out the activities briefly mentioned below at Department of Biothecnologie and Life Sciences of the Insubria University and under the supervision of Scientist Responsible prof. Rosalba Gornati.
Conditions are indicated by the contract and ruled by Regulations.
The position will cover a period of 1 year and can be renewed for periods of not less than one year to a maximum of four years total with the same subject, also entered into with different institutions and

universities, excluding the period in which the check was received in connection with a PhD without a grant, not exceeding the legal duration of the course.
The contracts referred to in Article 24 of Law 240/2010, intervening with various universities, government, non-state or telematics, as well as with the institutions referred to in paragraph 1 of art. 3 of this notice, may in no case exceed twelve years, although not continuous. For the purposes of those relations do not reveal the length of periods spent on maternity leave or for reasons of health, as provided by law.
The renewal is still subject to a positive assessment of activities by the Department Council, as well as to availability of budgetary funds
For non EC citizens the fellowship will start after obtaining the entrance visa for scientific research and when research activity actually begins.

Art. 10 – Salary
The fellowship's yearly gross amount is of **€ 19.367,00** inclusive of costs borne by the candidate.
University will provide insurance cover for public liability and accident.
The amount is tax free according to article 4 of Law n. 476 dated 13/08/1984 and it is subject, for what concerns welfare conditions, to regulations as from article 2 paragraph 26 and following Law n. 335 dated 8/08/1995.
The sum will be paid in monthly instalments.

Art. 11 - Suspension of the contract for maternity and sick leaves.
The research activity is suspended on maternity leave.
Regarding mandatory maternity leave, the conditions of Ministry of Labour Decree dated 12/07/2007, G.U. n° 247 of 23/10/2007 will be applied. Sick leave will governed by article 1, paragraph 788 of Law n. 296 dated 27/12/2006 and successive modifications.
During period of mandatory maternity leave, the amount paid by INPS according to article 5 of the above-mentioned Decree 12/07/2007 will be integrated by the University up to, and not over, the total amount of the contract.
The mandatory maternity leave must be recovered after the natural expiration of the contract as provided by law upon Department Director's act.

Art. 12 – Withdrawal of the owner of the research
The holder has the right to withdraw from the relationship, giving notice to the Director of the Department at least thirty days before.
Not communication above involves the retention of the amount compared to the period in lieu of notice.

Art. 13 – Termination of employment
If the holder does not continue the research activities in the program without good reason or is responsible for serious or repeated misconduct, at the reasoned report of the Scientist of Research and by the Council of the Department, may be ordered termination of the contract.
The contract will be terminated automatically, without notice, in the following cases:
- Undue delay or failure to initiate activity;
- Unjustified suspension of activity for a period exceeding 15 days;
- A serious contravention of the incompatibility of article 7 of the Regulation;
- Express a negative evaluation on the research by the Department Council.

The resolution measures are prepared by the Department Director.

Art. 14 – PhD and Master
The holder of research grants can attend, even in excess, and without the right to grant, the PhD research, subject to the passing of entrance examinations.
The participation of the holders is incompatible master's degrees.

Art. 15 –Head of the proceedings
According to Law n. 241 dated 7/08/1990 Mrs Adriana Jacona – Segreteria Amministrativa DBSV via J.H. Dunant n.3 0332421392 e-mail: adriana.jacona@uninsubria.it

Art. 16 - Privacy policy
According to Decree D. n. 196/2003, University will commit itself to respect all confidential information provided by the candidate. All information provided will be handled only for aims connected to the selection and to stipulation and management of relationship with University.

Art. 17 - Final rules and publishing
For matters not provided in this notice, reference is made to the applicable laws and regulations on the subject.
The notice will be published in the University website, the Ministry of University, Education and Research and the European Union.

THE DIRECTOR OF DEPARTIMENT
Prof. Giovanni Bernardini

DATA DI PUBBLICAZIONE ALL'ALBO UFFICIALE **03 february 2012**

DATA DI SCADENZA DEI TERMINI **20 february 2012**

Fac-simile domanda di partecipazione

Al Direttore
del Dipartimento di Biotecnologie e Scienze della Vita
Università degli Studi dell'Insubria
Via J.H.Dunant n.3
Cap 21100 città Varese

I the undersigned …….
ask to be admitted to participate in the public selection, by qualifications and examinations, for the assignment of n° …… fellowship for collaboration to research activities "……." lasting two years in the scientific area of ……. project acronym …….. to the Department of …….. of Insubria University – code selection …… UNIRE Programme - Human Capital Development Agreement signed on 20/10/2009 with the Region of Lombardy).

According to articles 46 and 47 of Presidential Decree n. 445 dated 28/12/2000, fully aware of the penal sanctions in the case of false declarations

declare

- Date and place of birth _____
- Citizenship _____
- Address _____
  City _____ Zip code _____
  State _____
  Phone _____ e-mail _____
  _____

- Italian fiscal code (if have):

☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐☐

- Absence of criminal record;
- To have achieved (*select)*:

❑ Degree in ……..……
Achieved in the academic year ……. date ……
Place …….
Final vote ……..

❑ PhD/Specialization in medical area (specify) in ……..…….…….
Achieved in the academic year ……. date ……
Place …….
Final vote ……..

- To have a grant for PhD degree from ……. to …….. (total months/years ……);
- No have a grant for PhD degree;
- No to be enrolled in the undergraduate degree, specialized medical schools in Italy or abroad;

- No employment at University or other bodies as those indicated in article 3 of notice;
- No employment to private companies and not freelance professional;
- No exceed of limits established by laws in force for fellowship (4 years except for the period corresponding to PhD without scholarship within the maximum limit of the legal duration of the related course);
- To have/Not have a contract temporary researcher according article 24 of Italian Law n. 240/2010. If have specify period and institution: from _____to _____ at _____
_____ ;
- No to have actually other research grants and other scholarships awarded for any purpose. If so, agrees to give up in case of awarding the scholarship;
- No relationship as Relative or in-Law within the fourth degree included with a professor member of Department or with the Rector, the General Director or a member of Administration Council of University;
- To have been informed, according to D. Decree n. 196/2003, that personal information will be handled exclusively for the proceedings for which this declaration has been made.

I require, according to Law n. 104/1992, in relation my disability the following aids for interview _____
_____

Included here (select from 1 to 6) :

1) □ original degree certificate;
2) □ original PhD certificate;
3) □ original medical specialization;
4) □ original qualifications (list) ……..
5) □ original scientific publications (list) …….
6) □ self-certification qualifications and publications (enclosure 1);
7) declaration of value of the foreign degree by qualified Italian Diplomatic or Consular Representations in country of origin;
8) scientific-professional curriculum signed and dated;
9) photocopy an identity document valid;
10) photocopy Italian fiscal code (if have).

I require, moreover, that the degree earned abroad is declared admissible, by the Judging Commission, only for the purposes related to the selection.

Place, date _____

SIGNATURE

_____

(the signature is mandatory on pain of nullity to admission to selection)

Enclosure 1

SELF-CERTIFICATION (article 46 and 47 D.P.R 28/12/2000, n. 445)

I the undersigned ……..……..……..……

born in ……..……..…… on ……..……..……...

DECLARE

Under my own responsibility, aware of penalities in case of false or medacious statements as from art.76 del D.P.R. del 28/12/2000 n°. 445 I will lose the right immediately to the fellowship:

1. I have earned the degree in ……..…..……..……..……..……
   on ……, at ……..……..……. ;

2. I have earned the PhD in ……. …..……...……..……
   on ……. at ……..……;
3. I have earned the diploma of specialization in medical area in
   …..……...……..……..…….
   on ……..…… at ……..…… ;

4. I have the following professional – study qualifications:

- …….
- …….
- …….
- …….
- …….

5. that photocopies of qualifications and scientific publications enclosed in the application form are conform to the originals.

Here included photocopy of an identity document valid.

Place and date, ……..

_____
(signature)

INFORMATION ACCORDING ART. 13 DEL D.Lgs. 196/2003
Personal information will be gathered and handled according to the Laws, within the purposes related to the development of institutional activities, especially for all executions connected to the performance of research activity with University of Insubria. The agreement to handling information given is not required according to art. 24 of D. Decree n. 196/2003.

LIST EXAMINATIONS

As integration of what previously declared

I the undersigned …….. declare I have earned the degree in
…….
on ……. at …….
and that I have sat for the following exams listed below.

SUBJECT

……
……
……
……

Place, date ……..

signature

INFORMATION ACCORDING ART. 13 DEL D.Lgs. 196/2003

Personal information will be gathered and handled according to the Laws, within the purposes related to the development of institutional activities, especially for all executions connected to the performance of research activity with University of Insubria. The agreement to handling information given is not required according to art. 24 of D. Decree n. 196/2003.

Enclosure 2

Waiver of the candidate for the procedure
(to sent by fax: 031 2389439)

Al Direttore Amministrativo
Università degli Studi dell'Insubria
Via Ravasi, 2
21100 VARESE

OGGETTO: Fellowship for collaboration to research activities " ……." lasting _____ years for the scientific area of _____ - Scientific Sector _____ project acronym …….. to the Department of _____ of Insubria University code selection _____ UNIRE Programme - Human Capital Development Agreement signed on 20/10/2009 with the Region of Lombardy).

I the undersigned ……..……..……..……

Born in ……..……..…… …… on ……..……..……..

address……

……

waive

to participate in the procedure.

Here included photocopy of an identity document valid.

Place and date, ……..

Signature

_____