CALL FOR EXPRESSION OF INTEREST

The Research Committee (Special Account for Research Funds) of Aristotle University of Thessaloniki, in the framework of the project "Neurosome" funded under European Commission – HORIZON 2020, Marie Skłodowska-Curie, with Academic Head, Prof. Dimosthenis Sarigiannis, invites candidates to submit applications for two (2) positions (through the award of a work contract), for 36 months (with a total anticipated remuneration 286,773,84€ euro (VAT and taxes included).

(A) One (1) person / Early Stage Researcher ESR11 / for 36 months / up to € 143,386.92

Job Description (A)
Advancing exposure assessment through environmental monitoring, human biomonitoring and use of personal sensor.

Expected results
The candidate will learn to review and collate relevant environmental contamination data for the compounds of interest, as well as to be trained in several analytical chemistry techniques and instrumentation (GC-MS/MS, ICP-MS, HPLC-MS). The most advanced technologies for the targeted and untargeted analysis of trace pollutants will be available such as gas chromatography coupled to Q-exactive orbitrap mass spectrometry, and the equivalent method with liquid chromatography. The partner has about 30 gas chromatography and liquid chromatography instruments coupled to electron impact MS, chemical ionization MS, time of flight MS, MS/MS, magnetic sector MS. More important, is to inculcate to the ESR the way on how to design a measurements campaign, on the purpose of further utilizing the environmental analysis under a broader interpretation for environmental health association studies and for deploying the individual and population exposome. As a result, the knowledge gaps of environmental contamination for the different media will be identified and filled in by additional measurements in “fusion” to modelled data produced in WP4.2, providing as such a comprehensive picture of the contamination levels and the different synthesis of the neurotoxicants “cocktails” of the populations of the different regions.

Planned secondment(s):
In the frame of the project, the ESR will be seconded to the company ToxPlus (supervisor Prof. A. Tsatsakis) for 3 months (M6-8), for analysis of biomarkers from pre-existing studies.
**Required Qualifications**

- A university degree
- A relevant master’s degree or equivalent in biomedical/bioinformatics sciences or biological sciences, life sciences or environmental/engineering science or related fields
- At the time of recruitment, he must not have resided or carried out your main activity (work, studies, etc.) in Greece for more than 12 months in the 3 years immediately before the reference date (indicative start of the employment contract, October 20 or November 1, 2018). Compulsory national service and/or short stays such as holidays are not taken into account. This criterion is more flexible in the case of candidates who have been declared refugees in accordance with the Geneva Convention. In particular, for those people, the period before their official designation as refugees is not counted as a residence / activity period in the beneficiary's country. This period will be calculated from the day of their recognition as refugees.
- Candidates should be Early-Stage Researcher (ESR), i.e. in case he/she have already gained prior work experience in academia, you shall be in the first four years (full-time equivalent research experience) of your research career at the time of recruitment by the host organisation and have not been awarded a doctoral degree. Full-time equivalent research experience is measured from the date when you obtained the degree entitling you to embark on a doctorate, even if a doctorate was never started or envisaged. Part-time research experience will be counted pro-rata.

**Additional Qualifications**

- Publications in scientific journals on environment and health
- Presentations in scientific conferences on environment and health
- Proven knowledge of analytical chemistry and physical-chemical methods
- Proven knowledge of modeling of physical and chemical processes
- Proven knowledge of Information Technology
- Knowledge of English
  - The knowledge is substantiated by relevant diploma thesis or relative courses of the course (analytical grade and if the title of the course does not directly lead the correlation, the analytical score will be accompanied by the description of the course in the Study Guide) or with a relative publication or with a relevant certificate.
- Interview

**Qualifications Assessment**

<table>
<thead>
<tr>
<th>Qualifications criteria</th>
<th>Credits (Researchers)</th>
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<tbody>
<tr>
<td>1 Publications (per publication) - 6 max</td>
<td>40</td>
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<tr>
<td>2 Presentations (per presentation) - 6 max</td>
<td>15</td>
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<tr>
<td>3 Knowledge of analytical chemistry and physical-chemical methods</td>
<td>10</td>
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<tr>
<td>4 Knowledge of modeling of physical and chemical processes</td>
<td>10</td>
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<tr>
<td>5 Knowledge of Information Technology</td>
<td>10</td>
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<tr>
<td>6α Knowledge of foreign language (Excellent C2)</td>
<td>70</td>
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<tr>
<td>6β Knowledge of foreign language (Very Good C1)</td>
<td>50</td>
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<tr>
<td>6γ Knowledge of foreign language (Good B2)</td>
<td>30</td>
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<tr>
<td>7 Interview</td>
<td>≤150</td>
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</tbody>
</table>

All the above qualifications should be in relevance with the project requirements and objectives.

(B) One (1) person / Early Stage Researcher ESR11 / for 36 months / up to € 143,386.92

**Job Description (B)**

Transcriptomics, metabolomics and toxicity pathway analysis of combined exposure to neurotoxicants.
**Expected results**

The biosamples collected from the population studies will be further analysed, in order to understand the response of co-exposure to multiple stressors at the different levels of biological organisation. Transcriptomics will be evaluated in order to identify responses aiming at neural differentiation-related gene expression to mixtures of most commonly found combinations of neurotoxicants, which are expected to vary among the different regions (Greece, Italy, Spain, Slovenia and Croatia) included in the study. Differences in the metabolic signatures from urine and blood samples among the subjects of the populations to be investigated will be explored, aiming to further differentiate the profiles of healthy and non-healthy individuals. These two types of data will set the basis of toxicity pathway analysis for the health outcomes of interest. This will be analysed using the GeneSpring software from Agilent.

**Planned secondment(s)**

In the frame of the project, the ESR will be seconded to the UPD University of Paris (under the supervision of Prof. R. Barouki) for 5 months gaining additional experience on transcriptomics, metabolomics and pathway analysis from the in vitro samples and in Columbia University in New York (USA) (under the supervision of Prof. G. Miller) for 5 months, gaining additional experience on toxicity pathway analysis using metabolomics pathway analysis.

**Required Qualifications**

- A university degree
- A relevant master’s degree or equivalent in biomedical/bioinformatics sciences or biological sciences, life sciences or environmental/engineering science or related fields
- At the time of recruitment, he must not have resided or carried out your main activity (work, studies, etc.) in Greece for more than 12 months in the 3 years immediately before the reference date (indicative start of the employment contract, 1 May or June 2018). Compulsory national service and/or short stays such as holidays are not taken into account.
- Candidates should be Early-Stage Researcher (ESR), i.e. in case he/she have already gained prior work experience in academia, you shall be in the first four years (full-time equivalent research experience) of your research career at the time of recruitment by the host organisation and have not been awarded a doctoral degree. Full-time equivalent research experience is measured from the date when you obtained the degree entitling you to embark on a doctorate, even if a doctorate was never started or envisaged. Part-time research experience will be counted pro-rata.

**Additional Qualifications**

- Publications in scientific journals on environment and health
- Presentations in scientific conferences on environment and health
- Proven knowledge of analytical chemistry
- Proven knowledge of biostatistics
- Proven knowledge of toxicology
- Proven knowledge of biochemistry
- Knowledge of English
- Programming knowledge in R or Matlab environment

*The knowledge is substantiated by relevant diploma thesis or relative courses of the course (analytical grade and if the title of the course does not directly lead the correlation, the analytical score will be accompanied by the description of the course in the Study Guide) or with a relative publication or with a relevant certificate.*

**Qualifications Assessment**

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<td>10</td>
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<tr>
<td>4 Knowledge of biostatistics</td>
<td>10</td>
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</table>
Knowledge of toxicology: 10
Knowledge of biochemistry: 10
Knowledge of English (Excellent C2): 70
Knowledge of English (Very Good C1): 50
Knowledge of English (Good B2): 30
Interview ≤150

All the above qualifications should be in relevance with the project requirements and objectives.

Documents Required:
1. Application Form (see appendix)
2. Table data proof of experience, if needed (see appendix)
3. Curriculum Vitae
4. A Bachelor’s degree copy
5. Copies of the degrees and certifications mentioned in the CV and are relevant to the qualifications.

* Proof of Experience:
Employment Certification, detailing the duration and the job duties and responsibilities.

Interested or those who have qualified (ie minimum qualifications) can be interviewed (at office/via Skype/ via phone). Missing a scheduled interview is cause for rejection.

Interview criteria:

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<th>Moderate</th>
<th>Good</th>
<th>Very good</th>
<th>Excellent</th>
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<tr>
<td>Understand project requirements</td>
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<td>20</td>
<td>30</td>
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<td>Communication skills</td>
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<td>20</td>
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<td>Ability to work with a team</td>
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<td>Professional development and perspective</td>
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Applications should be submitted in the following way:
(a) Physical presence to the following address: Secretariat of Technologies Sector, Chemical Engineering Department, Building D’ of the Engineering School, Aristotle University of Thessaloniki, 54124, no later than the 22/10/2018 at 14:00. (Applications will be attributed a reference number).
(b) By post office to the following address: Secretariat of Chemical Engineering Department, Building D’, Aristotle University of Thessaloniki, 54124, no later than 29/10/2018 (post office date). (Applications will be attributed a reference number).

In addition to submitting applications, candidates should also submit all relevant documents and electronically by following the instructions at http://www.neurosome.eu/index.php/call-for-applications/, up to 29/10/2018.

For more information and questions regarding the position, candidates may refer to +302310994562 (Prof. D. Sarigiannis)

Submitted proposals will be evaluated by a three-member Evaluation Committee based on the requirements/provisions of the call.

The candidate who wishes to submit an objection to the result (decision to accept results) is entitled to recourse (either physically or by post) to the Special Account of Research Authorities of the Aristotle University of Thessaloniki (KEDEA Building, 3 September - Thessaloniki, Postal Code: 54636, 1st floor, Office 101) within five (5) working days from the day following the posting of the decision to accept results on the website of the ELKE Aristotle University of Thessaloniki. The candidate has the obligation to be informed about the posting of the results from the website of ELKE https://www.rc.auth.gr/JobPosition/List, in the online posting of this invitation. It should be noted that applicants are entitled to have access to the details of the individual application file and the assessment and evaluation papers of their own and of their other co-candidates, upon written request within five
(5) working days of the day following announcement of the results on the ELKE website and under the conditions of articles 5 of Law 2690/1999 and 5 par. e of Law 2472/1997. Where specific data categories are included, they are only granted under the General Data Protection Regulations and other applicable provisions.
EVALUATION PROCEDURE – OTHER CONDITIONS

1. From all the applications submitted, according to the above specifications, the one that best meets the project’s requirements will be selected and awarded a work contract.

2. Only applications submitted within the period mentioned above will be considered. In case of postal submission, the Research Committee of AUTh will not bear any responsibility for the submission time or the content of the files that will be sent.

3. Changes to the application (replacements, corrections or submission of additional documents) are not allowed after the expiration of the deadline.

4. It should be noted that the invitation for awarding work contracts in the framework of the project is not a competitive tendering procedure, while the potential selection of counterparties should be interpreted as an acceptance of a proposal for hiring and not as “hiring”. The aforementioned process will be completed with the announcement of a ranking list, while those candidates selected will be personally notified. In case of a tie, the candidate whose application has a) the longest experience, b) the greatest bachelor’s degree mark, or c) the greatest master’s degree mark, will be selected.

5. Any submitted candidacy that does not meet the criteria of the call will not be examined any further and will be automatically rejected.

6. Throughout the duration of the project it is possible that the selected candidate(s) may be replaced, if necessary, by other candidate(s) of the present call and in accordance with the ranking list.

7. This call for expression of interest does not, under any circumstances, bind the Research Committee of AUTh to establish cooperation with stakeholders and does not create any labor claims. The Research Committee of AUTh reserves the right to select the candidate, and it remains in the Committee’s full discretion to conclude or not the relevant contracts, excluding any claim by the candidates.

8. The work contract awarded shall comply with the general and specific guidelines of the funding mechanism.

9. For candidates, language knowledge shall be certified according to Article 1 of Presidential Decree 146/2007 “Modification of provisions of Presidential Decree 50/2001 Defining qualifications for the appointments of posts in the public sector” (Official Gazette 185/3.8.2007/Issue A’), in conjunction with the last passage of paragraph 1 of Article 1 of the Presidential Decree 116/2006 “Amendment of Article 28 of Presidential Decree 50/2001” (Official Gazette 115/9.6.2006/Issue A’). For foreign candidates, there shall be equivalent language skills verification.

10. For candidates, computer skills shall be certified according to the Article 27 par.6 of Presidential Decree 50/2001 “Defining qualifications for the appointments of posts in the public sector” (Official Gazette 39/5.3.2001/Issue A’, 24/30.01.2013 /Issue A’ and 63/9.3.2005/Issue A’).

11. It should be noted that the work assignment to candidates employed in the Public Sector, in Public and Private Bodies, etc. is subject to the provisions of paragraph 14 of Article 12 of YAKED 110427/EYTHY1020/01.11.2016

The President of the Research Committee

Theodoros L. Laopoulos
Vice Rector for Research & Coordination
Aristotle University of Thessaloniki
SUBMISSION OF PROPOSAL - STATEMENT*
(with consequences of law on false/inaccurate statement)

Last Name : .......................................................... First Name: .........................................................

Degree (or Diploma:) ........................................Final Degree (numerically, approach 2 decimal): ...........

Year of Birth: ............ Place of Birth: ....................Prefecture: .........................................................

Father’s Name and surname: ...............................................................................................................

Mother’s Name and surname: ...............................................................................................................

Address of residence: Street ............... Number..... Post code ...... City ............Telephone: ..........

Address of work: Street ................. Number...... Post code ...... City .............Telephone:..............

Mobile phone : .................. e-mail: ............................Passpo rt Number:.................................

Please note in this proposal - statement and outside of the postal file the following:
1. The protocol number of this call

2. The code of project object you would like to participate (A,B)

I affirm that the information given in this proposal - statement is precise and true.

SIGNATURE

Date : ___/___/_____

Find attached : 1.

2.

*Incomplete filling of the proposal - statement constitutes a criterion for exclusion
## ANALYTICAL TABLE DATA PROOF OF EXPERIENCE

(The person concerned records all relevant to the subject of the call experience if required)

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<th>a/</th>
<th>From</th>
<th>To</th>
<th>(a) Months of Employment</th>
<th>(b) Days of Employment</th>
<th>Institution of Employment - Employer</th>
<th>Employer Category</th>
<th>Task of Employment</th>
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**TOTAL**                          **GENERAL TOTAL MONTHS OF EXPERIENCE**  
(1) Complete as appropriate with 'PR' or 'PU' depending on the category of the Employment Office, where PR: Private sector, individuals or private legal entities (corporations, etc.) • PU: Public sector, government agencies or public entities or local authorities of first and second degree or private entities in the public sector of par. 1 of Art. 14 of Law. 2190/1994 as in force or bodies of par. 3 of Art. 1 of Law. 2527/1997. In the case of self-employed, complete with the indication "SE".

(2) Complete the GENERAL TOTAL MONTHS OF EXPERIENCE. When, in Column (b) shows experience, the total days of employment divided by 25 (if the experience has been calculated as the number of wages) or by 30 (if the experience has been calculated as the period from the start day until the expiration date of employment) and the resulting integer is added to the total months of employment of the column (a).