



## NOTICE OF VACANCY

### SECONDED NATIONAL EXPERTS TO THE EUROPEAN COMMISSION

<b>Directorate general:</b> <b>Directorate:</b> <b>Unit:</b> <b>Head of Unit:</b> <b>Telephone:</b>  <b>Number of available post:</b> <b>Category</b> <b>Suggested taking up duty:</b> <b>Suggested initial duration:</b> <b>Place of secondment:</b> <b>Specificities:</b>	<b>Joint Research Centre (JRC)</b> <b>Institute for Health and Consumer Protection (IHCP)</b> <b>I.4 - Nanobiosciences</b> <b>Hermann STAMM</b> <b>+39 0332 789030</b>  <b>1</b> <b>Administrator (AD)</b> <b>1st quarter 2015<sup>1</sup></b> <b>24 month<sup>1</sup></b> <b>Ispra (Italy)</b> <input checked="" type="checkbox"/> <b>None</b> <b>This vacancy notice is also open to</b> <input checked="" type="checkbox"/> <b>the following third countries:</b> Albania, Bosnia and Herzegovina, Faroe Island, Iceland, Israel, Liechtenstein, Moldova, Montenegro, Norway, Switzerland, Serbia, Turkey and the Former Yugoslav Republic of Macedonia
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<b>1</b>	<b>Nature of the tasks:</b>  The SNE will carry out research on the chemical interactions between a series of organic molecules and nanoparticle surfaces of different physic-chemical properties in order to determine interaction field strength of the NP surface (hydrophobicity, H bonds acidity-basicity, London dispersion etc...) <p>The work will involve the following tasks:</p> <ul style="list-style-type: none"> <li>- Design and perform SPME/GC-MS experiments on different NM (SiO<sub>2</sub>, TiO<sub>2</sub>, Ag, ZnO etc.) to test adsorption of different chemical probes</li> <li>- Perform ITC experiments to measure the surface adsorption of peptides on NM surfaces</li> <li>- Relate the results to interaction properties of NM suspensions in serum with different cells</li> <li>- Perform data analysis and writing experiment reports</li> <li>- Provide input data for QSAR approach of NM protein interaction and cell uptake</li> </ul>
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<b>2</b>	<b>Main qualifications:</b>  a) Eligibility criteria <p>The following eligibility criteria are to be fulfilled by the candidate in order to be seconded to the Commission. Consequently, the candidate who does not fulfil one of them will be automatically eliminated from the selection process.</p> <ul style="list-style-type: none"> <li>• Professional experience : at least three years' experience in administrative, legal, scientific, technical, advisory or supervisory functions which can be regarded as equivalent to those of function groups AD;</li> </ul>
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<sup>1</sup> These mentions are given on an indicative basis only (Art.4 of the SNE Decision).

- Seniority : at least one year by your employer, that is having worked for an eligible employer (as described in Art. 1 of the SNE decision) on a permanent or contract basis for at least 12 months before the secondment;
- Linguistic skills: thorough knowledge of one of the EU official languages and a satisfactory knowledge of another EU official language to the extent necessary for the performance of the duties. An SNE from a non-member country must produce evidence of a thorough knowledge of one Community language necessary for the performance of his duties.

b) Selection criteria

- diploma: University level education in one of the following domains: Biochemistry, Chemistry, Analytical chemistry
- professional experience:
  - desirable knowledge in biochemistry and analytical chemistry in general
  - Hands-on experience in SPME/GC-MS and ITC
  - An ability to work in a multi-national team
- language(s) necessary for the performance of duties:
  - a very good level of spoken and written English is required (as this is the main working language).

### 3 Submission of applications and selection procedure

Candidates should send their application according to the **Europass CV format** (<http://europass.cedefop.europa.eu/en/documents/curriculum-vitae>) in English, French or German **only to the Permanent Representation / Diplomatic Mission to the EU of their country**, which will forward the applications to the competent services of the Commission within the deadline fixed by the latter. **Not respecting this procedure or deadlines will automatically invalidate the application.** **Candidates are required not to add other documents** (such as copy of passport, copy of degrees or certificate of professional experience, etc). If necessary, these will be requested at a later stage. Candidates will be informed of the follow-up of their application by the unit concerned.

### 4 Conditions of the secondment

The secondment will be governed by the **Commission Decision C(2008)6866 of 12/11/2008** laying down rules on the secondment to the Commission of national experts and national experts in professional training (SNE Decision). This decision is available on [http://ec.europa.eu/civil\\_service/job/sne/index\\_en.htm](http://ec.europa.eu/civil_service/job/sne/index_en.htm). The SNE will remain employed and remunerated by his/her employer during the secondment. He/she will equally remain covered by the national social security. Unless for cost-free SNEs, allowances may be granted by the Commission to SNEs fulfilling the conditions provided for in Art. 17 of the SNE decision. During the secondment, SNEs are subject to confidentiality, loyalty and absence of conflict of interest obligations, as provided for in Art. 6 and 7 of the SNE Decision. If any document is inexact, incomplete or missing, the secondment may be cancelled.

### 5 Processing of personal data

Information on data protection for candidates to a JRC post is available on: <http://ec.europa.eu/dgs/jrc/index.cfm?id=6270>.

To the attention of candidates from third countries: your personal data can be used for necessary checks. More information is available on [http://ec.europa.eu/dgs/personnel\\_administration/security\\_en.htm](http://ec.europa.eu/dgs/personnel_administration/security_en.htm).