



NOTE BY THE TECHNICAL SECRETARIAT

**INVITATION TO APPLY FOR A FELLOWSHIP IN
GREEN/SUSTAINABLE CHEMISTRY
OPCW HEADQUARTERS
THE HAGUE, THE NETHERLANDS, IN 2016**

Purpose of the fellowship

1. The Technical Secretariat (hereinafter “the Secretariat”) of the Organisation for the Prohibition of Chemical Weapons (OPCW) wishes to invite Member States to nominate participants for a fellowship in the International Cooperation Branch (International Cooperation and Assistance Division) of the OPCW in The Hague, the Netherlands, in 2016. The fellowship will involve research and analysis of technical information in the field of green/sustainable chemistry applications in areas of relevance to the Chemical Weapons Convention (hereinafter “the Convention”) — especially in the chemical industry—involving toxic chemicals, preparation of a background review paper on best practices and technologies, contribution to presentations and scientific articles on science and technology topics of relevance to the OPCW, editing of papers on the subject of OPCW research projects, and contribution to networking in the field of science and technology and to dissemination activities.

Description of the fellowship

2. The fellowship is offered and sponsored by the OPCW as part of its Fellowship Programme, of which the general rules and conditions for participation are described in the Note by the Secretariat S/1279/2015*, dated 21 May 2015. The rationale for the fellowship stems from the decision “Components of an Agreed Framework for the Full Implementation of Article XI” (C-16/DEC.10, dated 1 December 2011), taken by the Conference of the States Parties at its Sixteenth Session, which calls upon the Secretariat to “cooperate with and advise National Authorities with a view to finding non-toxic chemical substitutes to reduce the risks associated with toxic chemicals as well as to promoting activities from a health, safety, anti-terrorism, and general security point of view”.
3. The fellowship is designed for chemists with relevant practical and theoretical experience in organic chemistry and/or other related fields (for example, biochemistry and chemical engineering). Candidates are expected to have a Master’s or equivalent degree in chemical sciences or engineering, accompanied by an advanced degree (PhD) or five years of relevant experience in the field of science and technology. Candidates shall possess excellent scientific communication skills, including drafting



of scientific papers, reports, technology surveys, and so on. Thorough theoretical knowledge of green chemistry and relevant experience is required. Candidates should have good computer skills and be proficient in the use of Microsoft Windows. The prospective fellow must have a good command of English, including excellent writing skills, and must be prepared to work independently on assigned tasks. Knowledge of other OPCW languages is an asset.

4. The fellowship will include the following tasks:

- (a) During the induction, the fellow will be involved in the analysis of literature on alternative products and reaction pathways to substitute the use of highly toxic chemicals, including those scheduled under the Convention, in industrial production processes. The fellow will then work on the preparation of a **survey of best practices and solutions of green/sustainable chemistry applications in chemical industries** involving highly toxic chemicals. This task will also include the preparation and dissemination of questionnaires for the chemical industry, followed by classification and assessment of the information collected.
- (b) Under the guidance of OPCW staff, the fellow will assist the Secretariat in the preparation of various documents related to aspects of science and technology, as well as networking and outreach on the subject of green/sustainable chemistry in areas of relevance to the Convention. The fellow will be involved in disseminating knowledge and best practices of the applied green/sustainable chemistry to mitigate risks related to toxic chemicals through external and internal portals and social media, and will contribute to other science and technology products of the International Cooperation Branch, such as newsletters and presentations. The fellow will also contribute to the editing of research papers from OPCW-supported projects.
- (c) The fellowship will provide an insight into the OPCW verification regime for chemical industries and other aspects of science and technology that are of relevance to the Convention (such as the destruction of chemical warfare agents, analysis of chemicals scheduled under the Convention, and dual uses of chemicals), as well as with programmes for capacity-building in peaceful applications of chemistry. The fellowship will include a short-term laboratory attachment segment, during which the fellow will be exposed to analytical chemistry techniques for chemicals under the Convention regime. The laboratory attachment will take place at the OPCW Laboratory in Rijswijk.

Time and duration

5. The fellowship will be for a duration of six months in 2016. The exact date of commencement will be mutually agreed upon by the selected fellow and the Secretariat.

Financial assistance

6. The Secretariat will provide tutorship and infrastructure free of charge. The round-trip travel costs and medical insurance will be borne by the OPCW. The

selected fellow will also receive a monthly allowance to cover basic living costs while in the Netherlands which is set at EUR 2,000 (not taxable).

Eligibility

7. This programme is open only to citizens of Member States of the OPCW (a list of which is available on the OPCW website). Preference will be given to candidates from Member States with economies that are developing or in transition. The programme is intended for chemists with the requisite academic background and practical experience, including language and computer skills, as indicated above.
8. Female candidates are encouraged to apply.

Selection of the candidate

9. The pre-selection will be performed by the Secretariat. Three shortlisted candidates will then seek the endorsement of their respective National Authorities to the OPCW. From the endorsed candidates, the final selection will be made in April 2016. Only one candidate will be selected for the fellowship offered under this programme. Only successful candidates will be informed by the Secretariat.

Application procedure

10. Interested candidates should submit their applications, which shall include the following:
 - (a) an updated curriculum vitae;
 - (b) an essay (not exceeding 300 words) outlining the objectives the candidate wishes to achieve and the type of work experience he or she hopes to acquire during the period of the fellowship;
 - (c) a letter of recommendation from the supervisor of the candidate at the institution where he or she is currently working, indicating how the training will be of benefit to the candidate's present position, institution, and country;
 - (d) a completed OPCW Fellowship Programme application form (attached as the Annex to this Note); and
 - (e) a copy of the candidate's valid passport.
11. The completed OPCW Fellowship Programme application form (without section 4) should be sent by post or email to the following addresses:

Sergey Zinoviev
International Cooperation Branch
OPCW
Johan de Wittlaan 32
2517 JR The Hague
The Netherlands
Email: sergey.zinoviev@opcw.org

12. Applications should reach the OPCW by **15 March 2016**. Incomplete applications or those received after the deadline will not be considered. Additional information about the programme may be obtained from Sergey Zinoviev via email at sergey.zinoviev@opcw.org.

Annex: Fellowship Programme Application Form

Annex

**FELLOWSHIP TO BE HELD IN 2016
IN THE INTERNATIONAL COOPERATION BRANCH OF THE OPCW
THE HAGUE, THE NETHERLANDS**

APPLICATION FORM

1. This form is to be used to apply for direct OPCW support. Before completing the form, please read the guidelines presented in the accompanying Note by the Secretariat to confirm your eligibility for financial support for the programme.
2. The primary applicant should complete sections 1 and 2 of this form, arrange for the endorsements by the home institution in section 3, and then send the form to the OPCW.
3. Shortlisted candidates should send the same application to the respective National Authority with a request to complete section 4. **The respective National Authority should then forward the completed form to the OPCW directly or through the relevant Permanent Representation.**
4. The National Authority or the Permanent Representation should submit the completed form to the International Cooperation Branch, International Cooperation and Assistance Division, OPCW, Johan de Wittlaan 32, 2517 JR The Hague, the Netherlands. The application should be received by the OPCW by **15 March 2016**.

Please type or use BLOCK LETTERS

Family name ¹	
First name(s) ¹	
Date of birth	Day Month Year
Nationality	
Address (home)	Street
	Number Postcode
	City
	Country
Address (work)	Street
	Number Postcode
	City
	Country
Telephone and fax numbers, including country and city codes	Home
	Work
	Mobile
	Fax
Email address	Home
	Work

¹ Please give the first and family names exactly as they appear in the nominee's passport.

