

Title: Open call for one post-doctoral fellowship

One post-doc fellowship is open at the Department of Environmental Sciences and Engineering within the project “Decorative Applications for Self-Organized Molecular Electrochromic Systems” (DecoChrom) / NOVA.id.FCT – Associação para a Inovação e Desenvolvimento da FCT, Grant number 760973, financed by the European Commission.

- 1. Scientific area:** Chemistry.
- 2. Admission Requirements:** As criteria for eligibility, the candidate must: i) hold a Ph.D. degree in Chemistry or in related fields (e.g., Physics, Materials Science, Chemical Engineering); ii) experience in optical spectroscopies (e.g., UV-Vis absorption, Fluorescence) and/or electrochemistry; iii) knowledge on semiconductor polymers and/or assembly of devices (e.g., electrochromic devices, photovoltaic devices or LEDs).
- 3. Work Plan:** The researcher is expected to work on all tasks assigned to NOVA under the DecoChrom project in the following work packages (WP):
WP1 - Production and scale-up of electrochromic inks: namely assembly of standard electrochromic devices and their characterization using spectroelectrochemistry techniques.
WP2 - Electrochromic Surfaces: characterization of novel electrochromic devices on surfaces such as laminates or plastics.
WP5 - Dissemination and Exploitation: participation in dissemination activities (e.g., scientific meetings, dissemination for the general public).
The researcher is expected to coordinate the work with international partners (e.g., Cardiff University, Ynvisible) and perform team work. The researcher should also be available to travel and/or stay for a period of time abroad. It is also expected to write manuscripts for submission in scientific journals and/or collaborate in the writing of reports, deliverables and IP documents (e.g., patents).
- 4. Rules and Regulations:** A fellowship contract will be celebrated in accordance with Law 40/2004, of 18 August, as amended and republished by Decree-Law No. 202/2012 of 27 August, and as amended by Decree-Law No. 233/2012 of 29 October and by Law No. 12/2013, of 29 January.
- 5. Working location and supervisor:** Laboratório Associado para a Química Verde LAQV-REQUIMTE at the Chemistry Department of Faculdade de Ciências e Tecnologia of Universidade Nova de Lisboa. Supervision by Dr César António Tonicha Laia Dr António Jorge Parola.
- 6. Fellowship duration:** the fellowship is for 6 months, beginning in September 2018, with the possibility of being extended for up to 36 months within the timeframe of the project.

7. Salary and benefits: The net salary will be of 1495 EUR/month, which will be paid monthly by bank transfer. The fellow will be covered by a personal accident's insurance and can contribute voluntarily to the national social security system, according to Decree-Law nº 40/89, of 1 February.

8. Selection methodology:

A two-stage method will be used:

a) Evaluation of CV and Motivation Letter: candidates will be ranked in terms of their CV (60%) and Motivation Letter (40%). For the CV the candidates will be evaluated by their scientific productivity and publications related with the admission requirements. The three candidates with better evaluation are then invited for the second stage.

b) Interview: presential or video-conference interviews will be done individually for each selected candidate from stage 1. Final rank will be defined with 50% of the grade from CV and 50% of the grade from the interview.

9. Jury members:

President: Dr. César A.T. Laia

-

Effective jurors:

- Dr. António Jorge Parola

- Dr. João Carlos Lima

Substitute jurors:

- Dr. Inês Henriques

- Dr. Carlos Pinheiro

10. Notification of Results: Final evaluation results will be published as a ranked list at Faculdade de Ciências e Tecnologia de Universidade Nova de Lisboa, Edifício Departamental, Piso 2, Campus de Caparica, 2829-516 Caparica. The candidates will be notified by email about the final evaluation.

11. Application Procedure

The call for applications is open between 25th of June and 15 of July, 2018. Applications can be submitted either in Portuguese or in English, by email to catl@fct.unl.pt, indicating "DecoChrom: Post-Doc call - " in the subject area, and the



following (five) documents attached: 1) Full CV; 2) Ph.D. certificate; 3) PDF offprint of published articles judged to be most significant; 4) motivation letter; 5) a publication list containing the DOI links of articles, whenever applicable. The applicants should include their full contact information in the body of e-mail.