

# LOOKING FOR POST-DOCTORAL RESEARCHERS AND PHD CANDIDATES TO WORK ON THE DEVELOPMENT OF NANOPHOTONIC BIOSENSORS

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The Nanophotonics Technology Center (<http://www.ntc.upv.es/english/index.html>) at the Polytechnic University of Valencia (Spain) is looking for potential candidates for the application to several grants to be published within the forthcoming months. The candidates will work in the development of nanophotonic-based biosensors for different application fields, including medical diagnosis, safety/security and environmental monitoring. The work will be done in the frame of several European and national projects currently on-going in the research group.

## ✓ *SPECIFIC REQUIREMENTS FOR POST-DOCTORAL RESEARCHERS*

- Candidates must hold a Ph.D. degree related with the topic of the work (e.g., Electrical Engineering, Telecommunications, Applied Physics, Biotechnology, Biomedical Engineering, etc.). In principle, he/she should have obtained the PhD degree recently (within the 4-5 previous years).
- He/she must have a strong background in the targeted topic, which will be mainly demonstrated through a strong record of research accomplishments, including publications in top ranked journals, participation in EC-funded research projects, and international research experience (e.g., research stays carried out at different research institutions).
- The candidate must have strong technical skills focused on the experimental characterization/development of photonic devices and biosensors, including the optical characterization of photonic structures and the practical implementation of analysis procedures (e.g., reagents handling, use of (micro)fluidic components, automation of experimental procedures, etc.), as well as an appropriate practical knowledge on the implementation of bio-functionalization and bio-assay procedures.
- Strong skills related with research management activities are also desired, including coordination of research activities (e.g., leading of a work package in a project), presenting work progress at conferences and meetings, supervision of PhD/degree students, and elaboration of reports and project proposals.

## ✓ *SPECIFIC REQUIREMENTS FOR PHD CANDIDATES*

- Candidates must hold a MSc degree (or equivalent) related with the topic of the proposed work (e.g., Electrical Engineering, Telecommunications, Applied Physics, Biotechnology, Biomedical Engineering, etc.). For foreign degrees, their suitability for accessing Spanish PhD studies will need to be checked.
- The candidate must demonstrate an excellent academic record. This is the main requirement for the application to the grants to be opened.
- Previous practical experience related with photonics (e.g., experimental characterization of photonic structures, design of photonic structures, automation of optical measurements, etc.) and biosensing is highly desirable.

## ✓ APPLICATION TO THE POSITIONS

Interested post-doctoral researchers must send:

- a cover letter describing his/her profile, interests and goals (max. 1 page)
- a summarized CV, where the candidate must select and briefly describe the top 5-7 merits of his/her CV in relation to the research topic (max. 2 pages)

Interested PhD candidates must send:

- a cover letter describing his/her profile, interests and goals (max. 1 page)
- his/her official academic record, where the final marks of the degree must be clearly indicated

Applications must be sent to Dr. Jaime García ([jaigarru@ntc.upv.es](mailto:jaigarru@ntc.upv.es)). Only those candidates with a profile suitable for the application to the selected grants will be contacted back.

*This call is public at [tablón de anuncios de la UPV](#) and at the [NTC Web Page](#)*