

PostDoc Position in Biomedical SERS

Universitat Pompeu Fabra Barcelona, Spain

The Integrative Biomedical Materials and Nanomedicine Lab (<https://www.upf.edu/web/nanomed>) from the Department of Experimental and Health Sciences of University Pompeu Fabra (DCEXS-UPF) aims to fill one PostDoc positions in biomedical surface-enhanced Raman scattering (SERS). We encourage applications from exceptional scientists. Candidates must be experts on Raman spectroscopy and hold a PhD preferably in SERS. Women are encouraged to apply.

Successful candidates will be highly accomplished young scientists with a strong capacity for interdisciplinary research who will establish their first research group. They will also be expected to actively engage in teaching of undergraduate and MSc/PhD students.

The Department of Experimental and Health Sciences at UPF

The Department of Experimental and Health Sciences of Universitat Pompeu Fabra (DCEXS-UPF, <https://www.upf.edu/web/biomed>) is an internationally renowned biomedical research center in Barcelona, Spain. The DCEXS is located at the Barcelona Biomedical Research Park (PRBB, <https://www.prbb.org/>) with six other research institutes, including the newly created Outstation of the European Molecular Biology Laboratory (EMBL). With a staff of more than 300 scientists, the DCEXS combines the creation and transfer of knowledge through the seamless integration of research and teaching, well in line with the vision and values of Universitat Pompeu Fabra (<https://www.upf.edu/>), which holds top-level positions in state and international rankings for teaching quality and scientific productivity. The DCEXS trajectory of research excellence and innovation in education has been recognized with the “Maria de Maeztu” Unit of Excellence award by the Spanish Ministry of Economy and Competitiveness.

Research at the DCEXS

Understanding complex biological systems, particularly human biology and disease, requires interdisciplinary approaches integrating experimental biology, computation and engineering. The scientific focus of the DCEXS for the next five years is to strengthen and expand our research horizons under the broad overall scope of molecular biomedicine covered by our Research Programs. The DCEXS is organized in seven Research Programs (<https://www.upf.edu/web/biomed/programmes>) and is supported by cutting edge core facilities in flow cytometry, proteomics, genomics, microscopy, and scientific IT (<https://www.upf.edu/web/sct>).

The DCEXS promotes diversity in an inclusive environment that welcomes applicants regardless

of age, disability, gender, nationality, race, religion or sexual orientation.

Further information regarding the DCEXS and the group leader recruitment & selection process can be found at <https://www.upf.edu/web/nanomed>

The Offer

- Number of open positions: 1
- 3-year PostDoc position that can be extended one more year.
- Startup package covering, consumables and laboratory equipment.
- Students to supervise.
- Access to state-of-the-art core facilities.
- Target start date: September 2018.

Application Procedure

All applications must include:

1. Motivation letter, including your choice of research interest at the DCEXS.
2. Brief proposal of your future research plans at DCEXS (max. 2 pages)
Please include an estimation of the equipment and facilities needed for your research.
3. CV, which must include the information in the guidelines. These guidelines can be found below this page.
4. Contact details of 3 referees.

Applications must be addressed to nanomed@upf.edu, with *SERS PostDoc Positions in PRBB* as the email title.

Application deadline: Please submit your application by June 30th 2018.

Interviews: Candidates may be invited to an Interview held during July at the DCEXS (PRBB) in Barcelona.

CV information

Please ensure your CV includes the following information. Nevertheless you do not need to follow this exact format, and feel free to include further information if relevant.

Maximum length: 15 pages.

1. Summary of academic and scientific background
2. Education/ training
3. Professional academic positions
4. Publications

Publications must specify if they are original research, reviews, book chapters or books, include the ranking of the journal in the relevant knowledge area (quartile), impact factor, and number of citations. Please do not include abstract proceedings from congresses.

5. Grants and funding

Please specify title, year, funding agency and amount granted (in US\$ or €). Grants and funding should include only those in which the candidate was the Principal Investigator.

6. Teaching experience

Description of teaching experience should include the type of courses (i.e. conventional lectures, practical courses, online courses, MOOC), name of courses taught, graduate or undergraduate level, number of students attending, hours per course, and whether the candidate was course coordinator or participant teacher.

7. Invited conferences and talks
8. Technology transfer
9. Other merits (courses, honors and awards, project management experience, etc)