



Postdoctoral Position

Title

Synthesis of hybrid materials for light induced water splitting based on sol-gel techniques

Description

EC funded position in the framework of a collaborative consortium including 7 EU partners and 1 USA partner. The offer is for a one-year contract (with the possibility to renew for a second and third year) starting in November 2022 in the *CatSyNanoMat* group in the Chemistry Department of the Universitat Autònoma de Barcelona (UAB). The work will involve (i) synthesis of discrete organic and inorganic molecules decorated with silylated groups that will be used as precursors to hybrid metal oxides through sol-gel techniques, (ii) preparation of metallic nanoparticles in collaboration with *SeIOxCat* group of the Chemistry Department of UAB, (iii) preparation of thin films with the resulting hybrid materials and (iii) water splitting catalytic tests. The candidate will carry out independent research as well as in collaboration with other group members of the research group.

Requirements

- Degree in Chemistry
- PhD in Chemistry, Materials Science or related discipline
- Advanced synthetic organic and inorganic skills
- Good knowledge of English

Valued Qualities

- Experience in sol-gel techniques
- Experience in electrochemistry techniques
- Experience in spin-coating and/or dip-coating techniques
- Experience in thin film materials

Applications

-Please send an e-mail to carolina.gimbert@uab.cat before 30th September 2022 with the following documents:

- 1) CV specifying any relevant experience
- 2) Cover letter highlighting the interest in the position
- 3) Names and contact addresses of at least two referees

Contact

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