



The Z-scheme project is funded by “Labex Nanosaclay” for 1 year

Laboratoire de Chimie Physique, Orsay (LCP, Univ Paris Sud, UMR 8000 CNRS)/Université Paris Saclay is looking for **Postdoc** in the field of Silicon nanowire fabrication using plasma assisted vapour-liquid-solid (VLS) method in plasma enhanced chemical vapour deposition (PECVD) reactor, quantum dots, hydrogen production and photoelectrochemical (PEC) cell. To strengthen our team, we are looking for a highly motivated postdoc with a strong background in photoelectrochemical (PEC) cell, heterojunction and hydrogen production (photocatalytic water splitting) including semiconductor synthesis and advanced device characterization. The project is in collaboration with **Laboratoire de Physique des Interfaces et des Couches Minces (LPICM, Ecole Polytechnique, CNRS, 91128 Palaiseau) /Université Paris Saclay**.

Applicant's profile

You have a PhD degree in physics, physical chemistry, materials science, electrical engineering, or similar field with strong hands-on experience in semiconductor materials and device characterization. In-depth experience in fuel cell is advantageous. The work requires high level of experimental skills to operate sophisticated machines, analytical mindset for interpreting measured data and innovative experiments. You are a team player and your strengths include taking personal responsibility, high motivation for the innovation, excellence and flexibility to work and deliver results. Good communication skills in English are required, while the knowledge of French is not mandatory.

We offer a postdoc position at the research institution with excellent infrastructure and broad interdisciplinary surroundings with plenty of possibilities for personal and professional development.

How To Apply

Applications must be submitted by email to mohamed-nawfal.ghazzal@u-psud.fr. To be considered for this position, please attach a cover letter and resume.

Review of applications will begin June 2018 and continue until the position is filled.