

Post-doctoral position in attoscience with exotic molecular systems at Laboratoire de Chimie Physique – Matière et Rayonnement, Sorbonne Université.

We are offering a one-year postdoctoral position to study theoretically the structure and dynamics of exotic molecular systems containing positronium in excited states. Over the last 20 years, attoscience has developed the tools and concepts for tracking the motion of electrons and light nuclei on their natural attosecond timescale and Angström (Å) lengthscale, providing the key for understanding matter changes at a most fundamental level and most importantly, for controlling them. The scope of the present postdoc project is to assess the relative stability of excited exotic molecules, which may further be studied dynamically through interactions with ultrashort tailored pulses. The work will be done among a team of experts in the group “Dynamics of quantum systems in strong fields” within the Laboratoire de Chimie Physique - Matière et Rayonnement (LCPMR) at Sorbonne Université, Paris, France. The postdoc fellow will have a central role in the publication of the results in scientific journals and at conferences, and in shaping field of research.

The candidate should hold a PhD in theoretical quantum physics or chemistry, with a strong expertise in utilizing and developing Quantum Chemistry codes and a pronounced interest in attosecond science. The successful candidate is expected to have a track record for performing excellent research with autonomy and enthusiasm as well as effective written and verbal communications skills.

Details:

- ★ 1 year contract based in Paris with a salary in a range between 2200-2500 euros net/month depending on the fellow expertise/experience.
- ★ Beginning date: from September to December 2019.
- ★ Health, pension and unemployment securities included.
- ★ Sorbonne Université is an equal opportunity employer and places particular emphasis on fostering career opportunities for women. Qualified women are therefore strongly encouraged to apply.

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