

Postdoctoral position in physical chemistry to study iron-sulfur protein systems

The IBS/Metalloproteins and SyMMES groups - part of joint laboratories at University Grenoble Alps (UGA)/ French National Center for Scientific Research (CNRS)/ French Alternative Energies and Atomic Energy Commission (CEA), Grenoble, France - are looking for a postdoctoral researcher for a project to characterize the reactive intermediates of iron-sulfur proteins involved in antibiotic synthesis. Several advanced EPR methods, including pulsed multifrequency EPR, will be used in combination with other methods (biochemistry) and DFT simulations. The work will involve relatively simple sample preparation – at IBS – and extensive analysis by spectroscopic techniques, which will be carried out at SyMMES. The two laboratories are located on the same scientific campus in Grenoble, France, have a long history of collaboration, and are very well known in their respective fields of research:

Sicoli et al., Science, 2016, 351, 1320

Amara et al., JACS, 2018, 140, 16661

Qualifications

We are looking for outstanding candidates with a strong background in EPR spectroscopy. The candidate should hold a Ph.D. degree in chemistry or physics and have documented experience in demanding EPR spectroscopy experiments. Experience in DFT calculation and protein biochemistry would be a bonus.

Position Summary

Funding for this position has been awarded by the French National Research Agency (ANR). The position can be filled immediately, the initial contract will run for one year, with the possibility of extending funding for a second year. The salary will depend on experience, with a net starting rate of pay of about €2200 /month. Health insurance and social contributions will be paid by the employer.

About Grenoble

Grenoble is a major university town in France with more than 58,000 students from more than 70 different countries and a unique combination of a major University, several state-owned basic- and applied-research organisations, high ranking international scientific facilities (ESRF synchrotron facilities and ILL neutron facilities) and major high-tech industries. Thanks to this diversity, Grenoble is a hive of activity at all hours of the day and night! Grenoble is also well known for its unique position in the French Alps with major ski resorts accessible in under an hour, and exceptional natural sites to visit in other seasons.

Applications

Candidates should contact Serge Gambarelli, serge.gambarelli@cea.fr, +33438783940

with:

- Cover letter (max. one page)
- CV
- PhD degree
- Transcript of academic records
- Letters of recommendation or contact details for potential referees

The deadline for applications is 15 April 2019, but the position will remain open until filled.