

The CRISMAT laboratory is currently seeking to recruit a:

Post-doctoral Fellow in the field of experimental condensed matter physics and material sciences.  
Time-limited position of 12 months

*JOB DESCRIPTION*

The CRISMAT is a partner of the ANR HYMN project (Coordinator: Guillaume Rogez: IPCMS Strasbourg, CRISMAT Caen, CEMCA Brest), which focus lies in the area of new organic-inorganic hybrid multiferroics. This ANR concerns the design, synthesis and physical characterization of new HYbrid Multiferroic Nanomaterials.

You will be in charge of the measurements of dielectric, magnetic and magnetoelectric properties of hybrid materials, under the form of single crystals or pressed powder pellets. This includes the delicate realization of electrical contacts and electrodes. For the measurements, you will have access to different technical platform (SQUID magnetometers, VSM; dielectric, pyroelectric and polarization measurement set-up in PPMS (2-400K, 0-14T) under the supervision of permanent researcher. Analysis of the data and rationalization of the properties are final goals of the project.

Candidate is expected to give significant input in the writing of publication.

*PROFILE, SKILLS AND EXPERIENCE*

- PhD in physics, material science obtained less than two years ago.
- A strong background in experimental low temperature physics and a good scientific culture in magnetism and electronic properties
- Proficiency with other complementary laboratory techniques is desirable
- Ability to interact with multi-disciplinary staff (e.g chemists, crystallographers, physicists) and good human contact will be highly appreciated.

Wages: around 2500 Euros/month

Further information may be obtained from

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