Permanent position for a research engineer at the CNRS (Centre National de le Recherche Scientifique), Archéosiences Bordeaux, France.

The archaeometry research engineer (M/F) will define and lead the strategy for implementing dating techniques using palaeodosimetric methods. He/she will develop methodological research operations in conjunction with team members. The Archéosciences Bordeaux research laboratory in Pessac, which has 30 permanent staff and around the same number on fixed-term contracts, has been working for over 50 years on dating by luminescence and from 2023 on electron spin resonance, with numerous applications ranging from prehistoric sites to medieval buildings.

Responsibilities:

- Manage all the equipment in the luminescence dating laboratory (maintenance, discussions with manufacturers, advice to users).
- Developing methodological research to propose new measurement and data analysis functionalities, in collaboration with the laboratory's researchers.
- Develop applied research by supervising or carrying out dating projects in collaboration with researchers from the laboratory and the local, national or international archaeological community.
- Monitor technological developments and propose innovations to the laboratory's specialists.
- Managing external dating requests (carrying out dating and writing analysis reports).
- Ensuring compliance with safety standards relating to the mechanical and chemical preparation of samples and the use of luminescence instruments.
- Participating in the practical and theoretical training of trainees, visiting researchers and PhD students.
- Define the strategy and procedures for taking samples from archaeological sites and manage field equipment dedicated to chronological research.
- Disseminate and promote its results in the form of publications and through active participation in conferences, etc.
- The recruited person may be assigned the role of PCR (person competent in radiation protection).

Skills :

- The candidate must have at least a Master or an engineer degree or equivalent
- In-depth practical and theoretical knowledge of dating using palaeodosimetric methods (luminescence, ESR).
- In-depth knowledge of the physical processes underlying the phenomena of luminescence and ESR, ionising radiation dosimetry, and knowledge of techniques for characterizing inorganic materials.
- Knowledge of archaeology and fieldwork.
- English language: level B2 to C1 (according to the European reference framework).
- Develop measurement and/or analysis protocols.
- Maintain equipment and, if necessary, carry out simple repairs and/or repairs guided by the manufacturers.
- Master the use of luminescence readers and associated software.

Personal skills :

- Rigour, autonomy.
- Good interpersonal skills and the ability to interact with one or more research teams.
- Prioritizing projects and requests.
- Ability to think ahead (anticipation).

Employment conditions:

- From ca. 1900 euros net salary for inexperienced engineer
- Full time (38h30/week)
- 32 days +13 days' holiday
- Permanent position after one year as a trainee.

Conditions of recruitment:

Detailed information on: https://www.cnrs.fr/fr/concours-it
Reference: **concours** N**° 57**
Deadline for application: 5th July 2023 on https://concoursexternesit.cnrs.fr/public/campagne-2023
Auditions: between 28th of August and 8th of November 2023
Candidates whose applications will have been pre-selected will be invited to an audition before a panel of engineers and a representative of the laboratory (10 minutes of oral presentation, 20 minutes of discussion with the jury).
Start if laureate: 1srt December 2023
French speaking skills are not compulsory.

For any additional question, you can contact:
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