BeFC
Bioenzymatic Fuel Cells

Job Description

Job title:	Electrochemist
Type:	Full-time
Department:	R&D
Location:	BeFC SAS 570 rue de la Chimie, 38058, Grenoble

Role
We are looking for a candidate to join the team at BeFC to provide technical expertise in the areas of electrochemical testing and the development of novel bioelectrodes, generation of electrochemical process reports, product development, *etc.*

Source and nature of management provided
The post holder will be line managed by the Technical Manager but will work closely with staff across different projects.

Staff management responsibility
A limited supervision of students may be required, however there is no expectation from the post holder to perform staff managerial duties.

Career and professional development activities
BeFC encourage and support the personal and professional development of our staff. Individual development needs will be identified through a regular review process.

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Special conditions
Although based in the main BeFC R&D facilities, the job may at times involve working in any of the other BeFC facilities. Lifting and handling of heavy equipment may occasionally be required, lifting aids will be provided where appropriate. Contact with chemicals will be part of the job and personal protective equipment will be provided. From time to time, the post holder may be asked to assist with Continuing Professional Development (CPD) activities. This will form part of a substantive role and no additional payment for these activities should be expected.

Main duties and responsibilities	
The successful candidate will have a strong scientific interest and desire to develop expertise in electrochemical reactions associated with enzymatic biofuel cells.	
1	Sample preparation
2	Electrochemical characterisation
3	Electrical characterisation
4	Material characterisation
5	Data analysis and processing
6	Creation of technical reports
7	Communication of findings
8	Compliance with statutory and company regulations/protocols

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Specification

Qualifications	Essential	Desirable
Graduate with a strong scientific background (Masters degree or equivalent)	X	
Graduate from a Masters degree program in Electrochemistry		X

Experience/Knowledge/Skills	Essential	Desirable
Ability to perform electroanalyitcal techniques (CV, CA, EIS, etc.)	X	
Understanding of enzyme kinetics		X
Experience with fuel cells		X
Experience with material characterisation (semiconductor parameter analysis, UV-vis, , AFM, XRD, SEM *etc.*)		X
Ability to prepare bioelectrodes		X
Project management		X
Numerical modeling of diffusive and charge transfer processes		X

Attributes	Essential	Desirable
Ability to work in a team and with partners when necessary	X	
Analytical mindset	X	
Organised, ability to work with efficiency and prioritise own workload	X	
Translate complex and innovative ideas into clear, logical and technically accurate documents/presentations	X	
Independent and self-motivated		X
Understanding of the English language, both written and oral		X
Creative		X