JOB OFFER: Non-permanent Engineer Position

To support the project CELLSTEM funded by Région Normandie and European Union (ERDF), the French Research laboratory « Groupe de Physique des Matériaux » is looking for an Engineer.

Company Informations

Groupe de Physique des Matériaux is a joint research unit between CNRS, Université de Rouen Normandie and INSA. GPM is leader in instrumental/material sciences and develops an international expertise in materials characterization at the atomic scale. The GPM is organized around five scientific departments: the scientific instrumentation related to the atom probe, metallurgy, nanostructures, polymers, and the last one at the interface physics/biology, nanoparticles and environment (http://gpm.univ-rouen.fr/). With the growth of its interdisciplinary activities, GPM opens an Engineer position in the project CELLSTEM supported by Région Normandie and the European Union. The scope of this project is the application of analytical performances of transmission electron microscopy, in the fields of pulmonary, cardiac and vascular pathology.
Partners of this project are two research unit of Université de Rouen Normandie, i) Inserm EnVI (Endothelium, Valvuloptahy and Heart Failure) and TOXEMAC (Environmental Toxicology: Air environment and Cancer) , expert respectively in heart and pulmonary diseases.

Position	**Study Engineer**		
Laboratory	UMR6634 CNRS/GPM		
Laboratory Director	Pr Philippe PAREIGE		
Position Location	Université de Rouen-Technopôle du Madrillet – St-Etienne du Rouvray-FRANCE (mobility is required on different locations of Rouen University)		
Job	Non permanent position Full-time	Starting date/duration	Begin 2019 (subject to obtaining the signed agreement One Year (one year renewable contract)

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Description	Candidate will : • support team in charge of the CELLSTEM project and electron microscopy activities developed in "Nanocare" research department of the GPM; • participate to the improvement of methods in electron microscopy applied to biological sample (in vivo and in vitro models) • conduct sample preparation using chemical fixation, cryosubstitution, ultramicrotomy, immunolabelling, contrast staining and TEM observations with a JEOL 200KV F2010. • conduct different technical protocols for EM biological sample preparation related to the different tasks addressed in the project. • Help more specifically, technicians and engineer to collect biopsies on animals (rate, mice) , cell culture and vessels. • Participate to the technical workshop related to the CellSTEM project • Share his/her activities with other collaborators involved in the project • Report frequently technical advances to superior coworkers (Professor and Engineer) • Contribute to the global organization and functionnal activities of the service
Requirements	• Large experience in electron microscopy methods and protocol for Biological sample preparation (chemical fixation, cryomethods, labelling) • Large experience with ultramicrotomy (ultra-sectioning) • Practice of conventional TEM; must be able to conduct bright Field TEM observations independently • Good relationship; open mind and ability to share or discuss technical ideas • Ability to present technical advances during project workshop • Highly manual precision • Basic Knowledge in histology or cellular Biology (as a plus) • Basic knowledge in TEM and imaging technology • Dynanism and motivation • French and technical english languages
Skills and Experience	• Bachelor (BcS), prior experience in electron microscopy and/or histology
Salary	• According to degree and experience
Contact	Thanks to send complete CV with motivation letter to. philippe.pareige@univ-rouen.fr et laurence.chevalier@univ-rouen.fr Informations : philippe.pareige@univ-rouen.fr et laurence.chevalier@univ-rouen.fr

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