

Position:	Lateral Flow Assay development project leader (permanent contract - F/M)
About the Company:	LumediX is a young, dynamic and innovative start-up in the field <i>in vitro</i> diagnostics. Its disruptive technology provides an increase in the performance of current immunodiagnostic tests, using luminescent nanoparticles developed at the Ecole Polytechnique (Palaiseau, France). These nanoparticles increase the sensitivity of these tests by several orders of magnitude, thus providing a "Point-of-care" solution for performing diagnoses of pathologies previously inaccessible outside of analytical laboratories. LumediX' vision is to develop advanced medical diagnostic solutions to facilitate access to care for everyone, everywhere.
Main objectives:	<p>Within the LumediX start-up team, the main objective of this role is to lead the development and industrialization of Lateral Flow Assay (LFA) kits in the <i>in vitro</i> diagnostics field, based on our innovative luminescent nanoparticles. Main duties are:</p> <ul style="list-style-type: none"> • Development and validation of optimal Lateral Flow Assay parameters (strip materials, buffers, ligands) for these nanoparticles • Industrialization and set-up of these kits: implementation of standard operating protocols (SOP) and standard manufacturing procedures (SMP) for production in large volumes, validation of processes and reproducibility of manufacturing, choice and audit of suppliers. • Participation in implementing ISO 13485 Quality Management System.
Details of the position:	<p>You will have to:</p> <ul style="list-style-type: none"> • Evaluate performances of current solution developed by LumediX team • Determine the best materials (nitrocellulose, sample pad, conjugate pad) and reagents to increase performances • Design experiments to validate the manufacturing process • Write and implement SOPs • Manage technicians and operators in a production environment
Duration:	Permanent contract ("CDI")
Salary:	depending on experience + stock options ("BSPCE")
Start date:	ASAP
Contact email:	hr.bio@lumedix.com (citing the reference HR-RD-004 in the subject line)
Location:	Paris, 5th arrondissement
Desired experience:	<ul style="list-style-type: none"> • Minimum 5 years of experience in the development of immunoassays, and a minimum of 2 years in lateral flow assay (industrial environment) • Project management in a multidisciplinary context • Writing of industrialization and / or production protocols • Knowledge of lateral flow assay manufacturing techniques <p>Experience in the following areas would be a plus: surface chemistry, nanoparticles use, fluorescence techniques, development of optical-based medical devices, antibody development, ISO 13485 quality assurance and CE-IVD marking</p>
Desired candidate profile:	<ul style="list-style-type: none"> • Masters level training or PhD in Biology, Biochemistry, Materials Science, Physics • Personal qualities: team spirit, rigor, autonomy, sense of organization. • Willingness to work in a "start-up" environment, with the possibility of developing breakthrough products at an early stage • Fluent English, and French (written and oral)