

Position:	Project Leader (CDI/permanent contract) - Nanochemistry (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.
Details of the position:	<p>Within the LumediX start-up team, the main objective of this role is to participate in the development and industrialization of inorganic nanocrystals for use in "Lateral Flow" format kits in the <i>in vitro</i> diagnostics field, based on luminescent nanoparticles. The main duties are:</p> <ul style="list-style-type: none"> • Development of chemical protocols for the synthesis of nanoparticles: optimization of synthesis protocols, characterizations, and production of nanoparticles. • Industrialization and scale-up of the synthesis process: implementation of protocols for production in large volumes, implementation of tools for the transfer of the product on an industrial scale, validation of processes and reproducibility of manufacturing, choice and audit of suppliers. • Participation in the implementation of production protocols, for future ISO 13485 type certification.
Duration:	CDI; permanent contract
Salary:	depending on experience
Start date:	ASAP
Contact email:	hr@lumedix.com (citing the reference HR-RD-003b 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 chemicals, nanomaterials, and chemical characterization, and a minimum of 2 years in industrial settings • Project management in a multidisciplinary context, • Knowledge of the regulatory environment for the chemical and / or nanomaterial domain • Writing of industrialization and / or production protocols • Knowledge of chemical techniques such as sol-gel, colloidal synthesis, and bottom-up processes for the production of nanomaterials • Knowledge of characterization techniques such as DLS, TEM, Zeta potential. <p>Experience in the following areas would be a plus: surface chemistry, colloidal chemistry, protocol preparation and implementation, fluorescence techniques, development of optical-based medical devices, ISO 13485 quality assurance</p>
Desired candidate profile:	<ul style="list-style-type: none"> • Masters level training or PhD in Chemistry, Biochemistry, Materials Science, Physics • Personal qualities: team spirit, rigor, 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)