

| Position identification | |
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| Job titlz | Quantum materials and applications engineer |
| Remuneration | Based on profile |
| Status | CDI, 35H / week, GenesInk premises in Rousset |
| Service presentation | |
| Company Profile | GENESINK is an innovative French company specializing in the formulation of ink solutions based on nanometric particles. The solutions developed by GENESINK are revolutionizing cutting-edge applications, notably in the fields of photovoltaics and printed electronics. We would like to develop new products based on carbon nanoparticles for quantum applications. We are looking for an engineer or doctor in physics to join our R&D team and contribute to the development of quantum nanometric materials. |
| Main mission | Development Engineer - Synthesis and Characterization of Nanometric Materials with Quantum Properties |
| Positioning the agent within the company | Reporting to the Project Manager |
| Job duties and activities | |
| Main responsibilities | <ul style="list-style-type: none"> • Design and synthesize nanometric materials adapted to specific needs of functional inks. • Physically and chemically characterize these materials, with a particular focus on their quantum properties (coherence, quantum states, electronic and optical behavior). • Develop and optimize ink formulations incorporating these materials, guaranteeing their stability, performance and compatibility with a view to a future industrial process. • Set up and operate advanced quantum characterization techniques (spectroscopies, coherence measurements, etc.) in collaboration with specialized laboratories. • Participate in the integration of the solutions developed into a complete device, in partnership with industry. • Participate in scientific and technological watch to integrate the latest advances in nanomaterials and quantum physics. • Write technical reports, patents and scientific publications. |
| Skills required for the position | |
| Job Profile | <ul style="list-style-type: none"> • Degree: Engineer, PhD or Master 2 in Physics, Materials Physics, Nanosciences or equivalent field. • Proven experience in synthesis of nanometric materials (particles, nanostructures) and physical characterization. • Knowledge of quantum physics applied to materials: quantum mechanics, quantum states, coherence phenomena, electronic interactions. • Experience in formulating inks or functional materials is a plus. • Scientific characterization skills (microscopies, spectroscopies, electrical/quantum optics measurements). • Ability to work in a multidisciplinary team and communicate effectively. • Autonomy, scientific rigor and innovative spirit. • Fluent scientific English. |

You can send your CV, with a covering letter, to the following e-mail address

administration@genesink.com