Job Title: **Applied Physicist**

Company Overview:

Ventiva, Inc. is an electronic component manufacturer poised to launch its inaugural product into the active thermal management market. Ventiva's solid-state air solution, ICE, is a groundbreaking advance over the previous cooling technologies used in electronic devices. ICE technology removes heat in small form-factors. It is an enabling technology for future electronic device designs where current thermal management solutions fail. It is silent, vibrationless, stable, and a solution capable of being designed into laptops, TVs, and more by the world's largest OEMs. As we embark on this exciting journey, we are seeking a dynamic and experienced professional to join our team as an Applied Physicist.

Job Summary:

As Applied Physicist, you will report to the VP of R&D and will be responsible for Multiphysics modelling and characterization of plasma, electric fields, and electrohydrodynamic flow. You will be responsible for refining and enhancing the existing multi-physics model to support the requirements of the organization. You will also have an integral role in the development of test structures for EHD devices to gather critical data in order to confirm and correlate with simulation results. The Applied Physicist will also participate in roadmap development in pursuit of the expanded market for such devices.

Key Responsibilities:

1. Develop, enhance, and maintain COMSOL or other Multiphysics model of internal systems.
2. Develop, create, and operate test structures for data gathering of performance and functionality of systems and correlate data with Simulation results.
3. Accountable to develop and execute development plans and timelines and delivering to those plans.
4. Coordinate with development and test development engineers to provide analysis and results of modelling experiments.
5. Apply structured problem-solving techniques including, design of experiments, root cause analysis, DMAIC, DFSS, failure mode and effect analysis, SPC and statistical analysis techniques to resolving customer issues and problems.
6. Write and present technical reports on design, documentation and development activities.

Qualifications:

- PhD in Physics
- Prefer 3+ years' experience in Multiphysics modelling of complex physical, fluid, or electrical system in academia or industry.
- Talented team player with strong verbal and written communication skills.
- Experience with structured problem-solving techniques such as design of experiments, root cause assessment, FMEA and statistical analysis.
- Hands on experience with COMSOL, with a successful track record of utilizing multi-physics modelling in problem solving and new system development

Ventiva, Inc. is an equal opportunity employer, and we encourage candidates of all backgrounds to apply.

- Some prior experience in electrical characterization measurement strongly preferred
- Must be self-motivated, independent, and able to exercise judgment and manage time.
- Ability to adjust quickly to shifting priorities and tolerate ambiguity.

Annual Salary Range: $165K- $185K

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