OLED SCIENTIST

The Role:

- Must be on site in Hopewell Junction, NY
- Must be authorized to work in the United States without company sponsorship

The OLED Scientist role will significantly contribute to the development of OLED-on-silicon microdisplay technology. The individual will play a key role in the development of OLED architecture and associated processes for advanced microdisplays from concept to the product ramp.

RESPONSIBILITIES

- Invent, develop and implement new materials and architecture in eMagin's OLED devices to improve the device performance.
- Document and file patents to IP generated from new processes and techniques.
- Work closely with display cross functional teams within eMagin and other industrial partners worldwide to design and develop the new display technologies that enable the best display performance.
- Lead engineering investigations on advanced process technologies for future display applications.
- Work with the Operations Team to establish the process baseline, optimize the process window, and establish a robust manufacturing infrastructure.

REQUIREMENTS

- Ph.D. degree in Physics, Chemistry Chemical Engineering, Material Science or equivalent discipline.
- 3+ years of experience working in the semiconductor industry or academia in the field of OLEDs, optoelectronic devices and advanced materials .
- Understanding the properties and applications of OLED display technology, OLED materials & processes .
- Ability to analyze and interpret data, characterize materials, and solve technical problems. Familiarity with optimizing processes, such as DOE is a plus.
- Knowledge of and experience with analytical instruments to conduct optical and electrical characterization of optoelectronic devices including OLED displays .
- Computer programming and device simulation skills are desirable.
- Familiar with high vacuum thin film deposition processes and characterizations.
- Ability to work effectively in a team, communicate findings clearly, and contribute to a collaborative research environment.