

**Company:** Nanogea Corporation

**Location:** Culver City, CA

**Category:** Scientist, Biotech

**Job Description:**

Nanogea is currently seeking a talented and innovative Senior Scientist to join our R&D related projects located at Culver City, CA. As an employee of Nanogea, you will actively contribute to the discovery and development of new molecular diagnostic products. You will collaborate with scientists internationally and have the opportunity to directly contribute to the company's success.

**Duties and Responsibilities:**

- Work collaboratively with other Nanogea scientists to design and implement a sensitive single molecule detection strategy for biomolecule detection.
- Participate in the enhancement of a high speed force-based AFM and detection of biomarkers.
- Participate in, and possibly lead, external collaborations with leading pharmaceutical and diagnostic companies.
- Preparation and functionalization of Nanocone surface.
- Modification of AFM tip with biomolecules.

**Qualifications:**

- Advanced degree in Physics, Material Science, or Chemistry or other related field
- Extensive hands-on experience in surface chemistry/single molecule detection
- Hands-on experience with AFM (force-based AFM is preferable).
- Understanding of physical and chemical surface characterization.
- Understanding of conventional molecular testing such as PCR, real-time PCR, ELISA; RNA purification and handling, clinical sample handling, microarray procedures, and the proper use and maintenance of common laboratory equipment.
- Ability to work on individual and team-based projects.

**About the Company:**

Nanogea is a nano-bioscience company focused on commercializing the industry's most sensitive single molecule detection platform based on its innovative NanoCone™ chemistry and NanoCone Enabled Atomic Force (NE-AFM™) technology. Nanogea's NE-AFM™ offers an unprecedented 10<sup>6</sup>-time improvement in sensitivity over other leading diagnostic technologies, thereby enabling significantly earlier and more accurate detection capabilities. Its superior sensitivity also eliminates the need for the complex and costly sample preparation as well as target amplification steps. Nanogea is currently working with the world's leading diagnostic companies and academics to develop early and accurate tests in the areas of CNS, OB/GYN, diabetes, among others.