The Position

Earli Inc. is currently seeking a high-caliber Research Associate/Senior Research Associate for Nucleic Acid Formulations.

About Earli

The mission of the Biotechnology startup Earli Inc. is large and ambitious: to detect and then cure cancer at its earliest stages, effortlessly and pain free. In other words, 'make cancer a benign experience'. The technology which grounds the company's efforts ushers in a new era in "synthetic biomarkers" as a novel methodology to detect cancer and then subsequently localize and then treat the cancer. The enabling technology utilizes "synthetic biomarkers" as a novel methodology to detect, localize and ultimately destroy cancer. Founded by Sam Gambhir, Cyriac Roeding and David Suhy, the company is well funded by world-class entrepreneurs and venture capital firms. Earli, Inc. is currently based in the Biotech hub of South San Francisco.

Who You Are

- You share our sense of dedication, scientific passion, and entrepreneurial spirit
- You are technically gifted, with great hands on experience.
- You work well in a fast-paced and extremely focused startup environment
- You are not only smart, but clever and constantly think outside the box
- You are able to make logical decisions rapidly when there is little time to evaluate options
- You are a natural communicator and relationship builder
- You stay calm under high pressure and stress
- You have the ability to multi-task in a serious way, with an extreme attention to detail
- You become a representative of the core DNA of the company through who you are

Your Primary Responsibilities

- Perform routine formulation of DNA with various non-viral delivery agents, including polymers and lipids
- Perform microfluidic chip-based formulation of Lipid Nanoparticles (LNPs)
- Perform detailed biophysical characterization of these formulations by Dynamic Light Scattering, Fluorescence Spectroscopy, and other assays

- Perform literature searches and generate hypotheses to develop and screen novel LNPs for nucleic acid delivery
- Contribute to development and testing of high-throughput formulation methods
- Perform *in vitro* cell-based assays such as reporter gene expression assays to analyze formulation performance
- Help perform assays such as quantitative PCR and RT-PCR, luminescence, and protein detection assays from cell/tissue lysates and serum in a reproducible and careful manner
- Document protocols, materials, and results and maintain an extremely thorough electronic laboratory notebook
- Communicate findings internally to team via presentations and written reports.

Your Required Experience, Knowledge and Skills

- BS or MS degree in physical/chemical sciences or engineering discipline with a biology background, with 1-2 years biotech industry experience
- Some research experience in nanomaterials formulation and characterization is required. Non-viral nucleic acid (DNA/mRNA/siRNA) formulation experience is highly preferred
- Experience with a wide variety of biophysical/biochemical and cell-based assays is required
- Experience with molecular biology techniques such as nucleic acid extraction/purification and quantitative RT-PCR is not required but can be valuable
- Excellent verbal communication and interpersonal skills
- Ability to think independently, multi-task effectively, and fully integrate into a high achieving team environment

If interested in applying, please attach a detailed CV with research experience/publications listed; or have a well-developed LinkedIn profile for us to be able to assess your background.

We look forward to hearing from you!