



Scientist, Formulation and Process Development

Kala is an emerging pharmaceutical company on the verge of commercialization. We are seeking a highly motivated Scientist to join our Formulation and Process Development team. This is an opportunity for the right individual to come onboard and be a part of a growing and dynamic R&D organization.

Key Responsibilities for this role will include:

- Design novel nanoparticle-based pharmaceutical formulations and execute systematic studies to evaluate and optimize formulation performance and stability (chemical and physical);
- Design and execute process development studies, including small scale process prototyping and Design of Experiments (DoE) studies to identify and optimize critical process parameters;
- Support manufacturing process scale-up and process transfer to contract manufacturing facilities;
- Collaborate cross-functionally:
 - Collaborate with Analytical scientists on designing and executing laboratory stability studies, support day-to-day characterization activities;
 - Work with the Chemistry team to evaluate formulation feasibility for novel therapeutic agents
 - Provide support to the Manufacturing team in matters relating to formulation behavior and process optimization / trouble-shooting
- Author technical reports (formulation and process development)
- Contribute to intellectual property, regulatory filings, and scientific publications.

Our ideal candidate will have:

- PhD degree in Chemical Engineering, Materials Science, Physical Chemistry, or a related field
- 0-3 years of experience as a formulation scientist or process development engineer
- Strong problem-solving skills and analytical abilities
- High degree of scientific curiosity, self-motivation, and ability to work in a fast-paced research environment
- Strong technical/scientific writing skills
- Experience with small molecule drug delivery is highly preferred (micro- and nanoparticle-based formulations, drug-eluting inserts, sustained release injectable formulations)
- Experience with nanocrystals and nanosuspensions is highly preferred
- Experience with particle size characterization methods (DLS, Laser diffraction) is a plus
- Experience with analytical methods (HPLC, GC-MS) is a plus
- Solid state form characterization skills (DSC, TGA, XRD) is a plus
- Formulation / process development experience with ophthalmic (or sterile) drug products is a plus
- Experience with statistical Design of Experiments is a plus.

If you are interested in applying for this role, please send your resume directly to Careers@Kalarx.com and include the job title in your subject line.

About Us:

Kala is a biopharmaceutical company focused on the development and commercialization of therapeutics using its proprietary mucus-penetrating particle (MPP) technology, with an initial focus on the treatment of eye diseases. Kala has applied the MPP technology to a corticosteroid designed for ocular applications, resulting in two lead product candidates. The product candidates are INVELTYSTM(KPI-121 1%) for the treatment of inflammation and pain following ocular surgery, for which we have submitted a NDA, and KPI-121 0.25% for the temporary relief of the signs and symptoms of dry eye disease, which is currently in Phase 3 clinical development.