HLI Internship Positions at GoldenBiotech, LLC

Description of Company and its Mission

GoldenBiotech, LLC, is an early-stage startup biotech R & D company focusing on using novel tailor-made polymeric drug delivery systems, fabrication methods (e.g., 3D printing, micro-extrusion technologies), biomaterials, and specially adjusted formulations to treat serious diseases.

Our mission is to demonstrate proof of principle in treating serious diseases in our target areas of drug delivery and biomaterials. Our vision is to treat serious diseases by transferring biomedical breakthrough technologies to the global healthcare community.

We have openings for two student interns. One is for a biomaterials associate, and the other is for an analytical chemist/biochemist associate. The following application is for the biomaterials position—there is a separate application for the analytical chemist/biochemist position.

Biomaterials Position

Qualifications and Skills

Bachelor’s (3+ years) or Master’s level student in the physical sciences (chemistry, biochemistry, biotech, engineering—especially chemical engineering).

Skills preferred include 3D printing, knowledge of computer assisted design (CAD), at least two years of wet lab experience as evidenced by coursework, meticulous lab techniques including lab notebook keeping, and data management skills. Excellent verbal and written communication skills. Quick learner of new techniques and good problem-solving and organizational skills.

Role and Responsibilities

- Design of three dimensional geometric shapes of the biomaterials, using CAD.
- Fabrication of novel biomaterials and drug delivery systems.
- Incorporation of both small molecule and protein/peptide drugs in the biomaterial network.
- Optimization of the fabrication design space. Knowledge of statistical design of experiments is a plus.
- Perform mechanical testing of the prototypes.
- Collaboration with the analytical associate and outside labs and vendors.