490 BioTech
Molecular Biologist Intern
Knoxville

About
490 BioTech develops continuously light-emitting (bioluminescent) cellular technologies that report on biological events or interactions via self-modulation of output intensity. Our products provide real-time cellular activity information to accelerate the pace of new drug discovery and move drugs more rapidly, more effectively, and less expensively towards Phase I human testing by providing a more comprehensive data.

Intern roles and responsibilities
490 BioTech is seeking an intern to help us track how and when stem cells turn into heart cells by making them glow. This opportunity will enable the candidate to see how biological engineering, cutting-edge medical imaging, and tissue culture are brought together in a fast-paced small business setting to create tomorrow’s best research technologies.

You will work independently and alongside experienced scientists to help us re-program stem cells so that they start to glow when then turn into cardiomyocytes. We use the harmless production of light to continuously monitor the cells and learn about their metabolism, gene expression, interactions, and general health.

If you have the desire and drive to learn new skills and gain the experience needed to launch your career, 490 BioTech will invest the time and training you need to be successful. This position will allow you to master DNA assembly and modification techniques, microbial cell culture, transgenics, and the performance of bioluminescent and fluorescent assays.

Required qualifications
Reliability, attention to detail, and the ability to work in small group settings is essential.

Preferred skills
Previous experience in human cell culture or basic molecular biology/DNA assembly is helpful, but not required.