Summer Internship description at Tiamat

Tiamat is a startup company that uses plants as bioreactors for production of recombinant proteins. Our goal is to remove animals from the sciences by providing a wide variety of plant-produced proteins to our customers. We specialize in engineering growth factors that are currently used by the cellular agriculture industry. We are, however, expanding our portfolio.

The internship will involve assisting in the entire process of recombinant protein production. It will require the intern to help with the growth of *Nicotiana benthamiana* plants, bacterial plasmid propagation, bacterial culture growth, induction of transient expression by vacuum infiltration, protein extraction, and purification. The activities will also include laboratory maintenance such as buffer and media preparation. The aim of the internship is to identify plasmids with the best expression of the desired protein and optimize our purification process.

We are looking for a highly motivated student who enjoys a fast-paced work environment and is not afraid of doing a variety of different tasks related to laboratory work. Ideally, the candidate has a solid molecular biology experience and some plant biology background. We will also be happy to host a biochemistry student who has some experience with FPLC-based protein purifications.