ABSTRACT: Our team is in charge of Upstream Development for all microbial projects in the company's pipeline. We're responsible for optimizing and developing a working upstream process that can ultimately be used to manufacture the drug at a large scale. Our timeline can range from 3 months to over a year, with project goals normally dictated by the stage of the clinical trial. When developing a process, we'll run experiments over and over again to understand how different parameters impact the process. We use a combination of experience, literature, and experimental results to guide the direction of our development. The end goal is to have a productive and robust process backed by a deep data set and process knowledge.

BIOGRAPHY: Inne Leung has a BS in Chemical Engineering and an MS in Pharmaceutical Bioengineering, both from the UW. She has been working in the Biotechnology field for 7 years and is currently an Associate Scientist in the Upstream Bioprocess Development Group at Zymogenetics. Their group works on developing the next generation of drugs for a wide range of diseases. They focus on process optimization of microbial fermentations that produce therapeutic protein and biologic drugs. The drugs they work on are primarily in the clinical and pre-clinical trial space.